

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>QTIF-700 (SINGLE LATERAL ARAB-D DISP)</b> Charge #: <b>(66- 22012- 0700)</b> Wellbores: (0) QTIF_700_0	Rig <b>088TE</b>	Foreman(s) <b>SAKR ALI, MOHAMED KHAMIS/ FERKOUS, ABDALLAH/ ALSHAIKH, AHMED SHOWQI/ ELDEEB, TAREK ABD ALLA</b>
		Engineer Superintendent <b>THURAYA +8821677711297</b>	RIG FORMAN VSAT <b>013 673-7391</b>
		CONTRACTOR/CLERK VSAT <b>013 673-7393</b>	

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>13759</b>	<b>DRILLING 8-1/2" HOLE SECTION WITH BKR M-RSS/LWD/MWD ASSY TO 13,759'</b>	<b>DRILLING 8-1/2" HOLE SECTION WITH BKR M-RSS/LWD/MWD ASSY TO +/- 17,501' MD / 7,496' TVD</b>	<b>DS: NWD-3B</b>	<b>28.6</b> (01/29/2023@1430)	<b>SHUB 5113</b> 5193' MD (8' TVD SHALWOER) <b>BYDH 5435</b> 5536' MD (5' TVD SHALOWER) <b>BUWB 5857</b> 5984' MD (9' TVD DEEPER) <b>SULY 6375</b> 6557' MD (14' TVD DEEPER) <b>MNFR 6872</b> 7215' MD <b>HITH 6918</b> 7285' MD (7' TVD DEEPER) <b>ARAB 7278</b> 8035' MD (3' TVD DEEPER) <b>ABAR 7294</b> 8094' MD (2' TVD DEEPER) <b>BAAR 7327</b> 8214' MD (SAME AS PLANED TVD) <b>ABBR 7352</b> 8319' MD (3' TVD DEEPER) <b>BABR 7391</b> 8580' MD (19' TVD DEEPER) <b>ABCR 7417</b> 10015' MD (24' TVD DEEPER)

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>12682</b>					<b>9 5/8</b>	<b>58705748</b>		<b>1077</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
02.2	0500 - 0715	0	8 1/2	N	DRLG	D	RSS	BHI	12682	12791			M-RSS DRLG 8-1/2" HOLE SECTION WITH 89 PCF OBM & 100% CIRC TO 12,791' MD
00.5	0715 - 0745	0	8 1/2	N	DRLG	PJSM	NA	RIG	12791	12791			HELD STAND DOWN MEETING WITH DAY CREW DISCUSS STOP WORK AUTHORITY AND SAFETY CULTURE IMPROVEMENT, PINCH POINT HAZARDS. - DISCUSS MANUAL HANDLING, PPE & HIGHLIGHTED HAND FINGERS INJURIES PREVENTION.
00.5	0745 - 0815	0	8 1/2	N	DRLG	RR	TDS	RIG	12791	12791			SERVICE & LUB. TDS, CHECK FOR DROP OBJECTS, OK.
12.2	0815 - 2030	0	8 1/2	N	DRLG	D	RSS	BHI	12791	13453			M-RSS DRLG 8-1/2" HOLE SECTION WITH 89 PCF OBM & 100% CIRC TO 13,453' MD
00.5	2030 - 2100	0	8 1/2	N	DRLG	PJSM	NA	RIG	13453	13453			HELD STAND DOWN MEETING WITH NIGHT CREW DISCUSS STOP WORK AUTHORITY AND SAFETY CULTURE IMPROVEMENT, PINCH POINT HAZARDS. - DISCUSS MANUAL HANDLING, PPE & HIGHLIGHTED HAND FINGERS INJURIES PREVENTION.
04.8	2100 - 0145	0	8 1/2	N	DRLG	D	RSS	BHI	13453	13692			M-RSS DRLG 8-1/2" HOLE SECTION WITH 89 PCF OBM & 100% CIRC TO 13,692'. - HIGHT TORQUE AT THIS DEPTH, ROTATION STALLED, FREE & RECIPROCALE DRLG STRG UP/DOWN
01.0	0145 - 0245	0	8 1/2	N	DRLG	CIRC	MPMP	RIG	13692	13692			SWEEP HOLE WITH 20/40 BBLS TANDEM PILLS & CIRCULATE BTM'S UP MEANWHILE WORK ALL THE STAND INTERVAL.
02.2	0245 - 0500	0	8 1/2	N	DRLG	D	RSS	BHI	13692	13759			M-RSS DRLG 8-1/2" HOLE SECTION WITH 89 PCF OBM & 100% CIRC TO 13,759' - SWEEP HOLE WITH 10 BBLS LV / 20 BBLS WTD HVP EVERY 2 STD DRILLED. - DRILL OFF 5 MINS PRIOR TO CONNECTION. - BACKREAM / REAM ONE SINGLE EVERY STD & FULL STD EVERY 3 STD DRILLED.

- STICK SLIP, AXIAL/LATERAL VIBRATIONS & ERATIC TORQUE FLUCTUATION IN SOME TRANSITION POINTS.
- AVG. GASES: 1.49%, MAX GASES: 3.4% & CONNECTION GAS: 0%.
- LAST SAMPLE: 100% LIMESTONE.
- PARAMETER (WOB=20-30, TRPM=200, GPM=600, AVG TRQ=11-15 KLB-FT).

QTIF-700 WILL BE DRILLED FROM DRILL SITE NWD-3B AS AN OPEN HOLE SINGLE-LATERAL POWER WATER WELL TARGETING ARAB-D RESERVOIR.

TD OF THE WELL IS 22,565 FT MD / 7,546 FT TVD. THE WELL WILL BE COMPLETED WITH 4-1/2" GRE LINE TUBING AND 7" PACKER.

===== NEXT WELL =====

- QTIF-305 DRILL SITE P-35.

===== ERP & SAFETY REQUIREMENT =====

THE WELL IS PLANNED AS ZERO RER INJECTOR WELL DESIGNED TO PENETRATE WATER ZONES ONLY. IF ANY MOVABLE HYDROCARBONS ARE

INTERSECTED WHILE DRILLING QTIF-700, DRILLING MUST BE STOPPED, THE WELL SHALL BE CEMENTED ACROSS THE HYDROCARBON ZONE AND

SIDE-TRACKED DOWN-DIP OF THE HYDROCARBON ZONE. THE SITUATION MUST BE REGISTERED AND NOTIFIED TO DHALPD. MINIMUM SPACING IS 60 M.

===== ACTIVATE SIMOPS =====

ACTIVATED SIMOPS ON 2/1/2023 @ 10:00 HRS.

- QTIF-515 (ONSTREAM)

- QTIF-663 (STOP SIMOPS BY SHUT-IN ON FEB 17TH, 2023 @ 11:00 AM).

- QTIF-672 (STOP SIMOPS BY SHUT-IN ON FEB 17TH, 2023 @ 09:15 AM).

===== SAFETY =====

- PERFORMED DAILY RADIO CHECK WITH DH ECC.

- CONDUCT DAILY SAFETY & PRE-TOUR MEETING (TWICE),

\* STAND DOWN MEETING WITH RIG CREW DISCUSS SAFETY CULTURE IMPROVEMENT, STOP WORK AUTHORITY AND RECENT INCIDENTS.

- SAFETY CAMPAIGN: FINGER INJURY AWARENESS CAMPAIGN & SAFE OPERATION VERIFICATION, STOP WORK AUTHORITY CAMPAIGN.

- SAFETY DRILL: 01 PIT DRILL & FIRE DRILL.

- NEAR MISS: 01.

- HSE ALERTS: NONE

- REPORTED: NONE.

===== ARAMCO PERSONNEL ON LOCATION =====

- ALI ALHUNTUSHI, MATERIAL EXPEDITOR #8496232 ON LOCATION SINCE 02/20/2023.

- KHALED SALEM ALSHAMRANI PDP #814921 PDP ON LOCATION SINCE 02/17/2023.

- EMAD ALGHASHMARI #768451 FIELD COMPLIANCE TECHNICIAN ON LOCATION SINCE 02/17/2023.

- DIV-2 HSE ADVISOR HOSSAM ABDELSALAM ON LOCATION SINCE 23-FEB-2023

===== SERVICE COMPANY & RENTAL TOOLS =====

- SCOMI MUD ENG ON LOCATION.

- SINOPEC H2S SYSTEM ON LOCATION ON JAN 30 @ 00:15 HR.

- HALL MUD LOGGING UNIT IN OPERATION SINCE 02/21/2023 AT 08:00AM.

- MI-SWACO SOLID CONTROL CENTRIFUGE IN OPERATION SINCE 02/21/2023 AT 03:30AM.

- MUD COMPANY: EMEC REPLACED SCOMI ON 02/19/2023.

===== DIRECTIONAL =====

- FOLLOW PLAN 02 REV 02. DATED FEB 4.

- FROM DIRECTIONAL PLAN: 1.13' ABOVE & 3.1' RIGHT.

===== RIG CREW SHORTAGE =====

- NONE.

===== CONTRACTOR MANAGEMENT VISIT =====

- MICHAEL NYBRERG, GW SUPINTENDENT, ON LOCATION.

===== DIESEL CONSUMPTION =====

\*\* DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP): (DAILY: 76 BBL/TOTAL 617 BBL SINCE START MOVE TO WELL QTIF-700).

===== "WASTE MANAGEMENT" =====

\* 3 VACUUM TANKERS ON LOCATION ON MONTHLY BASES.

\* DUMP TRUCK WORKING FROM TIME TO TIME, MONTHLY.

===== PRE-RIG MOVE =====

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===== RIG VISIT =====

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
0	13545	89.28	4.16	93	7452.96	7788.04	-133.90	7773.09	0.47
0	13452	89.34	3.73	93	7451.84	7695.27	-140.30	7680.11	0.85
0	13359	89.50	4.50	93	7450.9	7602.51	-146.97	7587.15	1.77
0	13266	89.47	6.15	93	7450.06	7509.92	-155.60	7494.25	1.86
0	13173	89.56	4.42	94	7449.28	7417.32	-164.17	7401.35	1.62
0	13079	89.56	2.90	98	7448.55	7323.52	-170.17	7307.37	1.65

0	12981	89.56	1.28	95	7447.8	7225.59	-173.74	7209.38	1.09							
0	12886	89.37	0.26	96	7446.92	7130.60	-175.02	7114.44	0.24							
0	12790	89.37	0.49	94	7445.86	7034.61	-175.65	7018.53	0.26							
0	12696	89.28	0.72	94	7444.75	6940.62	-176.64	6924.6	0.55							
0	12602	89.19	1.23	92	7443.5	6846.65	-178.24	6830.65	0.3							
MUD DATA	Weight 89 PCF	Funnel Vis. 62 SEC	Filtrate(WL) 2 HTHP	Filtrate (WL) API	PV 26	YP 28	Electrical Stability 1190 Volts	3/6 RPM 13 / 15	Gels Sec/Min 16 / 21	PH 0	CA PPM 0	CL PPM 0				
	FL Temp 220	Cake HTHP 1	Cake API 0	Water Vol.% 15	Oil Vol.% 61	Solids Vol.% 24	Sand Vol. % 0	% LGS 14.44	MBT 0	Mud type OBM	Water Well # QTIF-962					
	Weight 89 PCF	Funnel Vis. 60 SEC	Filtrate(WL) 1.8 HTHP	Filtrate (WL) API	PV 25	YP 26	Electrical Stability 1225 Volts	3/6 RPM 12 / 13	Gels Sec/Min 15 / 19	PH 0	CA PPM 0	CL PPM 0				
	FL Temp 221	Cake HTHP 1	Cake API 0	Water Vol.% 15	Oil Vol.% 61	Solids Vol.% 24	Sand Vol. % 0	% LGS 14.47	MBT 0	Mud type OBM	Water Well # QTIF-962					
MUD TREATMENT	MAXSHIELD 1(55GL)	S- PMUL 1(55GL)	CACO3- 50 8(50LB)	NF25 8(50LB)	STELSL50 8(50LB)	STELSEALFN 8(50LB)	S- SMUL 1(55GL)	OMNI- CTE 3(55GL)	SLTX 8(50LB)	DURATONE 8(50LB)	MRBL- M 1(2200L)	S-SCAV W 1(55GL)				
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out					
	9	M223	8.5	HTC	7916967	DD505VX / 2 X 15 / 3 X 16 / 7 X 13 / 1.842	5880	13759								
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
			30	75					4150	600	105	518.56			41	
DRILL STRING	Float	Y														
	BHA Hrs:	147														
	String Wt.	Pick Up	Slack Off		Rot. Torque		Jars:	/	Shock	/	Mud					
	175	235	165		13500		Serial #/Hrs	/	Sub:	/	Motor:					
	Order		Component		Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1		Bit		HTC	8.5	1	8.5		0.84	4-1/2" REG					7916967
	2		RSS		BHI	7.56	1	7.56	1.54	10.53	4-1/2" IF	4-1/2" REG				ZATEX158800
	3		Modular Flex		BHI	6.8	1	6.8	4.77	33.99	4 IF	4 IF				12462841
	4		Stabilizer		BHI	7.02	1	7.02	2.29	3.68	4 IF	4 IF				14750925
	5		Measurement While Drilling (MWD)		BHI	7.02	1	7.02	2	16.94	4 IF	4 IF				15095613
	6		Stabilizer		BHI	7.06	1	7.06	2.3	3.6	4 IF	4 IF				13295656
	7		BCPM. Bi-directional Communication and Power Module		BHI	7.02	1	7.02	3	16.1	4 IF	4 IF				13925840
	8		Logging While Drilling (LWD)		BHI	6.91	1	6.91	1.88	9.53	4 IF	4 IF				13522872
	9		Logging While Drilling (LWD)		BHI	6.9	1	6.9	2.64	8.87	4 IF	4 IF				15352965
	10		Sub		TK2	7.03	1	7.03	2.81	2.68	4.5 IF	4 IF				15901306
	11		Stabilizer		BHI	6.8	1	6.8	2.81	5.3	4.5 IF	4.5 IF				ZSTB0702129
	12		Float Sub		BHI	6.8	1	6.8	2.81	3.53	4.5 IF	4.5 IF				15092071
	13		Filter Sub		BHI	6.78	1	6.78	2	5.68	4.5 IF	4.5 IF				15597525
	14		Filter Sub		BHI	6.75	1	6.75	2	7	4.5 IF	4.5 IF				WDS0110
	15		Heavy Weight Drillpipe (HWDP)		RIG	5	3	5	3	94.47	4-1/2" IF	4-1/2" IF				RIG
	16		Hydro-Mechanical Jar		NPC	6.38	1	6.38	2.61	36.7	4.5 IF	4.5 IF				HMJ650-047
	17		Heavy Weight Drillpipe (HWDP)		RIG	5	2	5	3	62.86	4-1/2" IF	4-1/2" IF				RIG
	18		Drillpipe		RIG	6.625	1	5	4.276	1	4-1/2" IF	4-1/2" IF				RIG
Miscellaneous	BOP Test 02/17/2023		BOP Drills		Wind NORMAL		Sea		Weather SEASON		DSLTA 4382		Safety Meeting EACH TOUR			
	Real-Time Data Quality		Sensors Quality		100%	Data Frequency		100%	Real-Time Hrs		10.99/24 hrs					
Personnel and Services Information	COMPANY	BHT	RZT	BHI	RIG	EMC	SNS	HMS	RIG	ARM	MI2	OTH	ARM			Total 98
	CATEGORY	BITS	CTRG	DPDS	RIG	DFMS	H2S	MLS	OTHR	OTHR	SCS	VAC	WSC			
	NO. OF PERSONS	1	15	4	54	1	2	3	11	3	1	1	2			
	OPERATING HRS.	24	0	24	24	24	24	24	24	24	24	10	24			
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24	24			

Trucks/Boats	Standby/Tankers					
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>930</b>	Barite- SX	Bentonite - SX	Cement G- SX
REPAIR ASAP	Instrumentation	Other Computer, Communication & V-Sat Issues				Reporter

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D&WO Morning Report (Service Providers View)  
 Copyright 2010 Saudi Aramco. All Rights Reserved  
 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>MNIF-785 (A DUAL LATERAL POWER WATER INJECTOR TARGETING THE UPPER RATAWI RES)</b> Charge #: <b>(66- 22026- 0785)</b> Wellbores: (0) MNIF_785_0	Rig <b>095TE</b>	Foreman(s) Engineer Superintendent	<b>ORR II, WILFRED MORRIS/ HAMILTON, BILLY STEVE DEWAINE /BALOBAID, FAISAL SALEH/ FASSAM, KHALED ADEL/ ALOTAIBI, ABDULLAH HAMDAN/ GARNI, ABDULLAH SALEH</b>
		THURAYA <b>8821677711258</b>	RIG FORMAN VSAT <b>379-5218</b>	CONTRACTOR/CLERK VSAT <b>379-5220</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>14166</b>	<b>DRILL 8-1/2" HOLE W/ 76 PCF RHELIANT OBM / PERFORM FORMATION PRESS POINT AS PER GOC INSTRUCTIONS</b>	<b>DRILL 8-1/2" HOLE W/ 76 PCF RHELIANT OBM / PERFORM FORMATION PRESS POINT AS PER GOC INSTRUCTIONS</b>	<b>MNIF-785</b>	<b>34.3</b> (01/23/2023@2245)	<b>BUWB 8254</b> <b>7428' TVD 39'</b> <b>DEEPER</b> <b>YAMM 9347</b> <b>7819' TVD 79'</b> <b>DEEPER</b> <b>URTR 10487</b> <b>7794' TVD 34'</b> <b>DEEPER</b>
Prev. Depth <b>12845</b>	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD <b>9 5/8 85027554</b> Footage <b>1321</b> Circ % <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
<b>02.0</b>	<b>0500 - 0700</b>	<b>0</b>	<b>8 1/2</b>	<b>N</b>	<b>DRLG</b>	<b>DMR</b>	<b>MRSS</b>	<b>BHI</b>	<b>12752</b>	<b>12960</b>			<b>BHI MRSS/LWD DRILL 8-1/2" HOLE W/ 76 PCF RHELIANT OBM &amp; 100% CIRCULATION. - WOB 15-25 KLBS, FR 590 GPM, SPP 3750 PSI, 213 RPM, TQ 16-18 KLB-FT. - REAM UP/REAM DOWN. - SWEEP HOLE WITH 15/25 BBL LOW VIS HI WT SWEEPS EVERY 3 STD DRILLED. - LOAD MUD WITH BRIDGING MATERIAL ON CONTINUOUS BASIS AS PER PROGRAM. - PPT WITH 2500 PSI DIFF PRESS SPURT 0.2/ TOTAL 1 / ECD 86 PCF.</b>
<b>01.0</b>	<b>0700 - 0800</b>	<b>0</b>	<b>8 1/2</b>	<b>E</b>	<b>DRLG</b>	<b>LOG</b>	<b>LWD</b>	<b>BHI</b>	<b>12960</b>	<b>12960</b>	<b>12926</b>	<b>12926</b>	<b>POSITION STRING FOR FORMATION PRESSURE POINTS AS PER GOC REQUEST. - RECORD FORMATION PRESS POINT #12 @ ' MD 12926' - 7876' TVD (TIGHT)</b>
<b>03.8</b>	<b>0800 - 1145</b>	<b>0</b>	<b>8 1/2</b>	<b>N</b>	<b>DRLG</b>	<b>DMR</b>	<b>MRSS</b>	<b>BHI</b>	<b>12960</b>	<b>13402</b>			<b>BHI MRSS/LWD DRILL 8-1/2" HOLE W/ 76 PCF RHELIANT OBM &amp; 100% CIRCULATION. - WOB 15-25 KLBS, FR 590 GPM, SPP 3750 PSI, 213 RPM, TQ 16-18 KLB-FT. - REAM UP/REAM DOWN. - SWEEP HOLE WITH 15/25 BBL LOW VIS HI WT SWEEPS EVERY 3 STD DRILLED. - LOAD MUD WITH BRIDGING MATERIAL ON CONTINUOUS BASIS AS PER PROGRAM. - PPT WITH 2500 PSI DIFF PRESS SPURT 0.2/ TOTAL 1 / ECD 86 PCF.</b>
<b>00.5</b>	<b>1145 - 1215</b>	<b>0</b>	<b>8 1/2</b>	<b>N</b>	<b>DRLG</b>	<b>PJSM</b>	<b>NA</b>	<b>RIG</b>	<b>13402</b>	<b>13402</b>			<b>HELD SAFETY STAND DOWN MEETING. DISCUSSED THE FOLLOWING:  - MECHANICAL / ELECTRICAL ISOLATION - WORKING AT HEIGHT - WEATHER HAZARDS</b>
<b>00.8</b>	<b>1215 - 1300</b>	<b>0</b>	<b>8 1/2</b>	<b>N</b>	<b>DRLG</b>	<b>DMR</b>	<b>MRSS</b>	<b>BHI</b>	<b>13402</b>	<b>13506</b>			<b>BHI MRSS/LWD DRILL 8-1/2" HOLE W/ 76 PCF RHELIANT OBM &amp; 100% CIRCULATION. - WOB 15-25 KLBS, FR 590 GPM, SPP 3750 PSI, 213 RPM, TQ 16-20 KLB-FT. - REAM UP/REAM DOWN. - SWEEP HOLE WITH 15/25 BBL LOW VIS HI WT SWEEPS EVERY 3 STD DRILLED. - LOAD MUD WITH BRIDGING MATERIAL ON CONTINUOUS BASIS AS PER PROGRAM. - PPT WITH 2500 PSI DIFF PRESS SPURT 0.2/ TOTAL 1 / ECD 86 PCF.</b>

03.0	1300 - 1600	0	8 1/2	E	DRLG	LOG	LWD	BHI	13506	13506	13098	13098	POSITION STRING FOR FORMATION PRESSURE POINTS AS PER GOC REQUEST. - RACK BACK 3 STD'S AND P/U SINGLE TO MATCH GOC FORM PRESS POINT DEPTH - CIRC 15 MINS & PERFORM STICK TEST IN 3 STAGES (5, 10 & 15 MIN). - RECORD FORMATION PRESS POINT #13 @ 13098' MD - 7880' TVD (LRPM)
00.5	1600 - 1630	0	8 1/2	N	DRLG	RR	TDS	RIG	13506	13506			INSPECT AND SERVICE TDS UNIT
00.5	1630 - 1700	0	8 1/2	N	DRLG	DMR	MRSS	BHI	13506	13605			BHI MRSS/LWD DRILL 8-1/2" HOLE W/ 76 PCF RHELIANT OBM & 100% CIRCULATION. - WOB 15-25 KLBS, FR 590 GPM, SPP 3750 PSI, 213 RPM, TQ 16-20 KLB-FT. - REAM UP/REAM DOWN. - SWEEP HOLE WITH 15/25 BBL LOW VIS HI WT SWEEPS EVERY 2 STD DRILLED. - LOAD MUD WITH BRIDGING MATERIAL ON CONTINUOUS BASIS AS PER PROGRAM. - PPT WITH 2500 PSI DIFF PRESS SPURT 0.2/ TOTAL 1 / ECD 86 PCF.
01.0	1700 - 1800	0	8 1/2	N	DRLG	CIRC	MPMP	RIG	13605	13605			CIRCULATE HOLE CLEAN PRESSURE POINTS- SWEEP HOLE WITH 15/25 BBL LOW VIS HI WT, CONTINUOUSLY RECIPROCAE PIPE PUMPING @ 600 GPM, 90 RPM. OFF BOTTOM TORQUE REDUCED FROM 9K TO 7K.
02.5	1800 - 2030	0	8 1/2	N	DRLG	LOG	LWD	BHI	13605	13605	13250	13550	POSITION STRING FOR FORMATION PRESSURE POINTS AS PER GOC REQUEST. - RACK BACK 2 STD'S AND P/U SINGLE TO MATCH GOC FORM PRESS POINT DEPTH - RECORD FORMATION PRESS POINT #14 @ 13425' MD - 7885' TVD (NO SEAL) - RECORD FORMATION PRESS POINT #15 @ 13250' MD - 7882' TVD (LPRM)
02.5	2030 - 2300	0	8 1/2	N	DRLG	DMR	MRSS	BHI	13605	13884			BHI MRSS/LWD DRILL 8-1/2" HOLE W/ 76 PCF RHELIANT OBM & 100% CIRCULATION. - WOB 15-25 KLBS, FR 590 GPM, SPP 3750 PSI, 213 RPM, TQ 16-20 KLB-FT. - REAM UP/REAM DOWN. - SWEEP HOLE WITH 15/25 BBL LOW VIS HI WT SWEEPS EVERY 2 STD DRILLED. - LOAD MUD WITH BRIDGING MATERIAL ON CONTINUOUS BASIS AS PER PROGRAM. - PPT WITH 2500 PSI DIFF PRESS SPURT 0.2/ TOTAL 1 / ECD 86 PCF.
00.8	2300 - 2345	0	8 1/2	E	DRLG	LOG	LWD	BHI	13884	13884	13663	13663	POSITION STRING FOR FORMATION PRESSURE POINTS AS PER GOC REQUEST. - RECORD FORMATION PRESS POINT #16 @ 13663' MD - 7887' TVD ( DRY )
00.5	2345 - 0015	0	8 1/2	N	DRLG	PJSM	NA	RIG	13884	13884			HELD SAFETY STAND DOWN MEETING. DISCUSSED THE FOLLOWING:  - MECHANICAL / ELECTRICAL ISOLATION - WORKING AT HEIGHT - WEATHER HAZARDS
02.8	0015 - 0300	0	8 1/2	N	DRLG	DMR	MRSS	BHI	13884	14072			BHI MRSS/LWD DRILL 8-1/2" HOLE W/ 76 PCF RHELIANT OBM & 100% CIRCULATION. - WOB 10-15 KLBS, FR 600 GPM, SPP 3550 PSI, 213 RPM, TQ 12-15 KLB-FT. - REAM UP/REAM DOWN. - SWEEP HOLE WITH 15/25 BBL LOW VIS HI WT SWEEPS EVERY 2 STD DRILLED. - LOAD MUD WITH BRIDGING MATERIAL ON CONTINUOUS BASIS AS PER PROGRAM.
01.2	0300 - 0415	0	8 1/2	E	DRLG	LOG	LWD	BHI	14072	14072	13860	13860	POSITION STRING FOR FORMATION PRESSURE POINTS AS PER GOC REQUEST. - RECORD FORMATION PRESS POINT #17 @ 13860' MD - 7889' TVD ( XX )
00.8	0415 - 0500	0	8 1/2	N	DRLG	DMR	MRSS	BHI	14072	14166			BHI MRSS/LWD DRILL 8-1/2" HOLE W/ 76 PCF

**RHELIANT OBM & 100% CIRCULATION.**  
 - WOB 5-15 KLBS, FR 590 GPM, SPP 3600 PSI, 213 RPM, TQ 10-15 KLB-FT.  
 - REAM UP/REAM DOWN.  
 - SWEEP HOLE WITH 15/25 BBL LOW VIS HI WT SWEEPS EVERY 2 STD DRILLED.  
 - LOAD MUD WITH BRIDGING MATERIAL ON CONTINUOUS BASIS AS PER PROGRAM.  
 - PPT WITH 2500 PSI DIFF PRESS SPURT 0.2/ TOTAL 1 / ECD 85 PCF.

**MNIF-785 IS A DUAL LATERAL POWER WATER INJECTOR (PWI) TARGETING THE UPPER RATAWI RESERVOIR LAYER-B. THE TOTAL DEPTH OF L-0 IS 27,095 FT- MD/ 7,961 FT-TVD, TOTAL DEPTH OF L-1 IS 27,458 FT- MD/ 7,996 FT-TVD.**

**SAFETY -----**

- \* AMBULANCE , EMERGENCY BUS AND LIFE BOAT ON LOCATION.
- \* ALL WELL HEADS, HEADER LINES ARE BARRICADED WITH CONCRETE BLOCKS.
- \* NEW LOCATION DS-43 WELLS DE-ACTIVATED ON OCTOBER, 17 AT 17:00 / WELLS MNIF-787 AND 788.

**-----ARAMCO PERSONNEL, RENTAL TOOLS & OTHERS-----**

- \* CLERK NAGARAJAN SIVANATHAM ID# 8049997 ON LOCATION.
- \* CLERK FAISAL ALQATTAN ID# 816253 ON LOCATION.
- \* PDP AHMAD ALSADIQ # 764113 ON LOCATION.
- \* NAOOD QHSE MUBARAK ALHAROUN #782755 ON LOCATION

**AL-MADEED 2 X VACUUM TANKER: 3286BRA & 8907UAA , 1 BACKHOE;1759 TDA, DUMP TRUCK: 7440 LRA.**

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec		DLS
0	13865	89.33	46.58	94	7892.12	5911.97		5965.84		7598.35	0.07	
0	13771	89.33	46.65	95	7891.02	5847.40		5897.53		7512.4	0.43	
0	13676	89.39	46.25	94	7889.96	5781.96		5828.68		7425.64	0.14	
0	13582	89.52	46.23	94	7889.07	5716.94		5760.79		7339.93	0.2	

MUD DATA	Weight 76 PCF	Funnel Vis. 60 SEC	Filtrate(WL) 1.2 HTHP	Filtrate (WL) API	PV 26	YP 21	Electrical Stability 740 Volts	3/6 RPM 11 / 12	Gels Sec/Min 12 / 15	PH 0	CA PPM 0	CL PPM 47000
	FL Temp 151	Cake HTHP 1	Cake API 0	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. % 0	% LGS 3.22	MBT 0	Mud type RELIANT	Water Well # MNIF-832	
	Weight 76 PCF	Funnel Vis. 61 SEC	Filtrate(WL) 1 HTHP	Filtrate (WL) API	PV 27	YP 21	Electrical Stability 765 Volts	3/6 RPM 11 / 12	Gels Sec/Min 12 / 15	PH 0	CA PPM 0	CL PPM 47500
	FL Temp 152	Cake HTHP 1	Cake API 0	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. % 0	% LGS 3.2	MBT 0	Mud type RELIANT	Water Well # MNIF-832	

MUD TREATMENT	POROSEAL 4(55GL)	SUREMUL 4(55GL)	CAOH2 20(25KG)	CACO3- 25 20(25KG)	CACO3- 50 20(25KG)	STELSL50 20(25KG)	STELSELFN 20(25KG)	VG-PL 2(50LB)	VG-SUP 5(50LB)	SUREWET 1(55GL)	MARBLE- FINE 2(2200L)	MRBL- M 1(2200L)	ECOTROL- RD 10(50LB)
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BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out				
	6RR	M323	8.5	HTC	7916440	DD506XV2 / 6 X 14 / 0.902	8513	12661							
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av

COMPONENT	Float	Y															
	BHA Hrs:																
	String Wt.	Pick Up	Slack Off	Rot. Torque				Jars: Serial #/Hrs	/	1.5		Shock Sub:	/	Mud Motor:	/		
	Order	Component				Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit				REED	8.5	1	8.5		0.81	4-1/2 REG					S296789
	2	RSS				BHI	7.56	1	7.05	1.543	10.45	4-1/2 REG	T2				15061040
	3	Mud Motor				BHI	6.791	1	7.03	1.543	34.03	T2	T2				15744142
	4	Modular Stabilizer				BHI	7.03	1	7.03	2.25	4.28	T2	T2				15561100
	5	BCPM. Bi-directional Communication				BHI	6.75	1	6.75	3	16.15	T2	T2				15715213

DRILL STRING	and Power Module		BHI	7.03	1	7.03	2	4.22	T2	T2		15564324
	Stabilizer		BHI	6.75	1	6.75	2	16.93	T2	T2		12066374
	Measurement While Drilling (MWD)		BHI	6.75	1	7.03	2.25	9.47	T2	T2		14449541
	Power & Communication Sub		BHI	6.75	1	6.75	1.875	9.69	T2	T2		12582185
	Logging While Drilling (LWD)		BHI	6.75	1	6.75	2.264	9.07	T2	T2		12710527
	Component Not listed		BHI	6.75	1	6.75	2.264	9.07	T2	T2		15752019
	Stabilizer		BHI	7.03	1	7.03	2.25	4.19	T2	T2		14251854
	Stop Sub		BHI	7.04	1	6.8	2.81	2.31	T2	4-1/2 IF		10591770
	Non Magnetic HWDP			BHI	5	1	5	3	29.41	4 1/2 IF	4 1/2 IF	15092070
	Float Sub			BHI	6.75	1	6.75	2	3.47	4-1/2 IF	4-1/2 IF	12849318
	Filter Sub			BHI	6.75	1	6.75	2	5.63	4-1/2 IF	4-1/2 IF	CX2923
	Filter Sub			BHI	6.75	1	6.75	2	6.7	4 1/2 IF		ON FILE
	PBL (Multiple Activation By Pass)			DSI	6.5	1	6.5	2.25	8.22	4-1/2 IF	4-1/2 IF	ON FILE
	Heavy Weight Drillpipe (HWDP)			RIG	5	2	5	3	62.74	4-1/2 IF	4-1/2 IF	ON FILE
	Hydro-Mechanical Jar			NPJ	6.5	1	6.5	2.25	31.54	4-1/2 IF	4-1/2 IF	HMJ650-075-
	Heavy Weight Drillpipe (HWDP)			RIG	5	3	5	3	94.26	4-1/2 IF	4-1/2 IF	ON FILE
	Drillpipe			RIG	5	1	5	4.2	0	4-1/2 IF	4-1/2 IF	251564
Miscellaneous	BOP Test 02/25/2023	BOP Drills 1	Wind SEASONAL	Sea	Weather SEASONAL	DSLTA 3891	Safety Meeting 2					
	Real-Time Data Quality	Sensors Quality	100%	Data Frequency	100%	Real-Time Hrs	10.99/24 hrs					
Personnel and Services Information	COMPANY	RZT	BHI	RIG	EMC	SMI	ARM	MI2				Total 78
	CATEGORY	CTRG	DPDS	RIG	DFMS	DFMS	OTHR	SCS				
	NO. OF PERSONS	15	4	50	1	2	5	1				
	OPERATING HRS.	0	24	24	12	24	24	24				
	ON LOCATION HRS.	24	24	24	24	24	24	24				
Trucks/Boats	Standby/Tankers <b>AMBULANCE</b>	<b>EVACUATION BUS DH4874</b>										
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>439</b>	Barite- SX	Bentonite - SX	Cement G- SX						
REPAIR ASAP	Instrumentation	Other										Reporter
	Computer, Communication & V-Sat Issues											

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Date	Well No (Type) :	Rig	Foreman(s)	HAMANI, MOSTEFA ABDELMADJID / QURAISH, BAQER YAHYA / NWOSU, EMMANUEL ONYEMA / ALZAKI, HUSSIEN ABDULJALIL / HAQWI, MOHAMMED MOSA			
MONDAY 02/27/2023	DMMM-130 (DMMM-130 AT DMMM DRILL SITE-B(MAIN PAD):ERD RE-ENTRY WELL,WILL BE COMPLETED AS ARAB A&B SMRT OIL PRD) Charge (71- 22011- #: 0130) Wellbores: (0) DMMM_130_0	910TE	Engineer Superintendent	THURAYA RIG FORMAN VSAT 008821677712726 OTHER VSAT 0135773939 OFFICE 0135773927 OFFICE CONTRACTOR/CLERK 0135773593 CLERK			
Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops		

Depth 19895	Last 24 hr operations <b>RUN SLB UPPER SMART COMPLETION.</b>	Next 24 hr plan <b>RUN SLB UPPER SMART COMPLETION.</b>	Location <b>DMMM DRILL-SITE B (MAIN PAD) / 6 KM SW FROM DH MAIN GATE.</b>	Days Since Spud/Comm (Date) 33.7 (01/24/2023@1130)	Formation tops <b>PAAS 4527 42 FT SHALLOWER AS PER GOC.</b> <b>ABBR 4568 5 FT DEEPER AS PER GOC.</b> <b>ABAR 4574 5 FT DEEPER AS PER GOC.</b>
Prev. Depth 19895	Liner Size <b>7</b>	TOL <b>16320</b>	MD <b>19627</b>	TVD <b>4564</b>	Last Csg Size <b>9 5/8</b> MD <b>16633</b> TVD <b>4575</b> Footage <b>0</b> Circ % <b>90</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations				
									Start	End	Start	End					
03.2	0500 - 0815	0		C	COMP	RPCS	UPDMC	WCR	19895	19895	3973	5111	RIH 32 JTS X 4-1/2" TBG 12.6# L80 TSH BLUE. * INSTALL WFD ROLLER CLAMP ON EACH COUPLING. * TOTAL OF 4-1/2" 12.6# TBG RUN: 41 JTS OUT OF TOTAL 115 JTS.				
01.2	0815 - 0930	0		C	COMP	DTU	DRFT	SLL	19895	19895			HPJSM, R/U SLB SLICK LINE LUBRICATOR. * DRIFT STRING WITH 3.833" DRIFT SIZE TO 1549 FT (TAG R-NIPPLE). * R/D SLB SLICK LINE LUBRICATOR.				
02.2	0930 - 1145	0		C	COMP	RPCS	UPDMC	WCR	19895	19895	5111	5961	RIH 21 JTS X 4-1/2" TBG 12.6# L80 TSH BLUE. * INSTALL WFD ROLLER CLAMP ON EACH COUPLING. * TOTAL OF 4-1/2" 12.6# TBG RUN: 62 JTS OUT OF TOTAL 115 JTS.				
00.8	1145 - 1230	0		C	COMP	DTU	DRFT	SLL	19895	19895			HPJSM, R/U SLB SLICK LINE LUBRICATOR. * DRIFT STRING WITH 3.833" DRIFT SIZE TO 900 FT. * R/D SLB SLICK LINE LUBRICATOR.				
00.2	1230 - 1245	0		C	COMP	RPCS	UPDMC	WCR	19895	19895	5961	6010	PU/MU & RIH SLB ASSEMBLY#22 ON 1 JT X 4-1/2" TBG 12.6# L80 TSH BLUE. * ASSY# 22: 1 X 4-1/2" PUP JT, 4-1/2" R-NIPPLE (3.437"), 1 X 4-1/2" PJ. * INSTALL WFD ROLLER CLAMP ON EACH COUPLING. * TOTAL OF 4-1/2" 12.6# TBG RUN: 63 JTS OUT OF TOTAL 115 JTS.				
00.5	1245 - 1315	0		C	COMP	PJSM	TBG	RIG	19895	19895			HOLD STAND UP MEETING WITH DAY CREW. REVIEW & DISCUSS: - REVIEW LIFESAVING RULE FALL PROTECTION - REVIEW TZ INCIDENT WORKING AT HEIGHT - DISCUSSED HSE ALERT 21-23 FALL FROM DIFFERENT LEVELS DURING RIG MOVE - SAFETY OBSERVATION STATISTICS AND HIGHLIGHTS- DISCUSSED GW & ARAMCO SWA AND STEP BACK POLICY.				
01.2	1315 - 1430	0		C	COMP	SET	PLUGN	SLL	19895	19895	2670	2670	HPJSM. R/U SLB SLICK LINE LUBRICATOR & BOPE. PT TEST TO 2000 PSI, OK: * DRIFT WITH 3.833" DRIFT SIZE TO 44 FT (TAG R-NIPPLE). * RIH WITH 2.813" PX-PLUG & SET AT X-NIPPLE @ 2670 FT. * RUN CHECK SET. * RIH & SET PRONG. * R/D SLB SLICK LINE LUBRICATOR & BOPE.				
01.0	1430 - 1530	0		C	COMP	PTST	TBG	RIG	19895	19895			HPJSM, R/U & LINE-UP SURFACE LINES TO TUBING STRING, FLUSH & P/T LINES TO 4500 PSI FOR 10 MIN, OK. * INSTALL TIW VALVE & P/T TUBING STRING AGAINST PX-PLUG TO 4000 PSI FOR 10 MINS, OK. * R/D SURFACE LINES.				
01.5	1530 - 1700	0		C	COMP	RTRV	PLUGN	SLL	19895	19895			HPJSM, R/U SLB SLICK LINE LUBRICATOR & BOPE. PT TEST TO 2000 PSI, OK: * RIH & RETRIEVE PRONG & 2.813" PX-PLUG. * R/D SLB SLICK LINE LUBRICATOR & BOPE.				
04.8	1700 - 2145	0		C	COMP	RPCS	UPDMC	WCR	19895	19895	6010	8127	RIH 52 JTS X 4-1/2" TBG 12.6# L80 TSH BLUE. * INSTALL WFD ROLLER CLAMP ON EACH COUPLING. * TOTAL OF 4-1/2" 12.6# TBG RUN: 115 JTS OUT OF TOTAL 115 JTS.				
02.0	2145 - 2345	0		C	COMP	SET	PLUGT	INW	19895	19895	2137	2137	HPJSM, R/U SLB SLICK LINE LUBRICATOR & BOPE. PT TEST TO 2000 PSI, OK: * DRIFT STRING WITH 3.833" DRIFT SIZE TO 2161 FT (TAG R-NIPPLE). * SET INTERWELL PLUG @ 2137 FT (INSIDE 4-1/2" 12.6# TBG). * R/D SLB SLICK LINE LUBRICATOR & BOPE.				
00.5	2345 - 0015	0		C	COMP	PJSM	TBG	RIG	19895	19895			HOLD STAND UP MEETING WITH NIGHT CREW. REVIEW & DISCUSS: - REVIEW LIFESAVING RULE FALL PROTECTION - REVIEW TZ INCIDENT WORKING AT HEIGHT - DISCUSSED HSE ALERT 21-23 FALL FROM DIFFERENT LEVELS DURING RIG MOVE - SAFETY OBSERVATION STATISTICS AND HIGHLIGHTS- DISCUSSED GW & ARAMCO SWA AND STEP BACK POLICY.				
01.2	0015 - 0130	0		C	COMP	PTST	TBG	RIG	19895	19895			HPJSM, R/U & LINE-UP SURFACE LINES TO TUBING STRING, FLUSH & P/T LINES TO 4500 PSI FOR 10 MIN, OK. * INSTALLED TIW VALVE & P/T TUBING STRING AGAINST INTERWELL PLUG TO 4000 PSI FOR 10 MINS, OK * R/D SURFACE LINES.				
00.8	0130 - 0215	0		C	COMP	RTRV	PLUGT	SLL	19895	19895			HPJSM, R/U SLB SLICK LINE LUBRICATOR & BOPE. PT TEST TO 2000 PSI, OK: * RETRIEVE INTERWELL PLUG @ 2161 FT.				

00.2	0215 - 0230	0		C	COMP	RPCS	UPDMC	WCR	19895	19895	8127	8133	PU/MU X-OVER #2. * XO#2: 4-1/2" 12.6# TSH BLUE PIN X 4-1/2" 17# TSH BLUE BOX. * INSTALL WFD ROLLER CLAMP ON EACH COUPLING. * TOTAL OF 4-1/2" 17# TBG RUN: 22 JTS OUT OF TOTAL 124 JTS.
02.5	0230 - 0500	0		C	COMP	RPCS	UPDMC	WCR	19895	19895	8133	9019	RIH 22 JTS X 4-1/2" TBG 17# L80 TSH BLUE. * INSTALL WFD ROLLER CLAMP ON EACH COUPLING. * TOTAL OF 4-1/2" 17# TBG RUN: 22 JTS OUT OF TOTAL 124 JTS.

DMMM-130 DMMM-ERD RE-ENTRY WELL, WILL BE DRILLED THROUGH ARABS A & B RESERVOIRS AND COMPLETE WELL AS ARAB A & B SMART OIL PRODUCER.

#### ===== RER & STAGING AREAS =====

- \* 1/2 LFL: 44 M.
- \* GOR: 305 SCF/STB, H2S: 1.83%.
- \* STAGING AREA #1 (1280 M NNW OF DMMM-130), COORDINATES: N: 2907810 E: 409505.
- \* STAGING AREA #2 (640 M S OF DMMM-130), COORDINATES: N: 2905994 E: 409656.

#### ===== RIG KPI'S =====

- \* PLANNED D/P TRIPPING SPEED (CSG) 18 STD/HR, ACTUAL: NONE.
- \* RIG MOVE KPI: 5.2 DAYS, ACTUAL: 5.1 DAYS.
- \* 7" LINER KPI: 14 JT/HR/ACTUAL: 11.81 JTS/HR.
- \* 4-1/2" UPPER COMPLETION KPI: 10 JT/HR / ACTUAL: N/A.
- \* INSTALL 13-5/8" X 13-5/8" 3M WELLHEAD KPI: 3 HR / ACTUAL: NONE.

#### ===== PERSONNEL ON BOARD =====

- ARAMCO CLERK ROMEO PALUGOD ID #8081636 ON LOCATION SINCE 06/16/2022.
- ARAMCO FCT OMAR ALBELADI ID# 740448 ON LOCATION SINCE 02/19/2023.
- ARAMCO FOREMAN ALI ALKATHIRI ID#788195 ON LOCATION SINCE 02/21/2023.

#### ===== SAFETY & DRILLS =====

PRE-TOUR SAFETY MEETING: (3), WEEKLY SAFETY MEETING (0), COLD PTW: (7), HOT PTW:(2), CONFINED SPACE: (0), JSA: (19), STOP CARDS: (93), NM:(0).

#### SAFETY TOPICS:

- REVIEW LIFESAVING RULE FALL PROTECTION
- REVIEW TZ INCIDENT WORKING AT HEIGHT
- DISCUSSED HSE ALERT 21-23 FALL FROM DIFFERENT LEVELS DURING RIG MOVE
- SAFETY OBSERVATION STATISTICS AND HIGHLIGHTS- DISCUSSED GW & ARAMCO SWA AND STEP BACK POLICY.

FIRE DRILL: (0), MAN DOWN DRILL: (0), VERTICAL RESCUE DRILL: (0), MAN-LOST DRILL: (0), CONFINED SPACE RESCUE DRILL: (0), H2S RELEASE DRILL: (0), H2S RESCUE DRILL: (0), PIT DRILL: (0), TRIP DRILL: (0), BOP FUNCTION TEST: (0), BOP/SPACE OUT DRILL (0), ACCUMULATOR TEST: (0), FIRE WATER SYSTEM EQUIPMENT FUNCTION TESTS (0), OIL SPILL DRILL: (0), COVID 19 DRILL:(0).

#### ===== EQUIPMENT ON LOCATION =====

- VACUUM TANKER; ON LOCATION PLATE NO.: 2713-JUA, 3966-LJA.
- WATERSPRAYER; ON LOCATION PLATE NO.: 3730 RZA.
- DUMP TRUCK; 7988-XHA (1 TRIP).

#### ===== JAR & SHOCK SUB & RENTAL TOOLS =====

#### ===== SPECIAL EQUIPMENT ON LOCATION =====

- \* RIG VERTICAL FLARE STACK.
- \* 2 X 55 SEAT BUS STAND-BY ON LOCATION.
- \* R/U RAWABI H2S MENTORING SYSTEM ON 01/24/2023 @ 1200HRS.
- \* FIREFLY (PETROLEUM AND ENERGEY TRADING) UNIT INSTALLED ON 01/31/2023.
- \* R/U HALLIBURTON KILL PUMP ON 01/31/2023.

#### ===== VISITORS =====

##### Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS										
<b>MUD DATA</b>																			
MUD TREATMENT																			
<b>BIT DATA</b>																			
<b>DRILL STRING</b>																			
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #																			
BOP Test		BOP Drills		Wind		Sea		Weather											
02/20/2023		02/20/2023		SEASONAL		N/A		SEASONAL											
DSLTA Safety Meeting																			
<b>Miscellaneous</b> SWA & CURRENT OPERATION																			
Real-Time Data Quality			Sensors Quality		100%	Data Frequency		100%	Real-Time Hrs										
									11.49/24 hrs										
Personnel and Services Information	COMPANY		WCR	RZT	SCP	WCS	RIG	BDF	MJH	WCM	RUE	PW	RIG	ARM	HPE	OTH	SLL	OTH	ARM
	CATEGORY		CSR	CTRG	ICE	ICE	RIG	DFMS	SEC	DSFE	H2S	ISPCT	OTHR	OTHR	PCS	RENT	SLS	VAC	WSC
	NO. OF PERSONS		4	17	8	5	52	2	8	4	2	4	11	2	1	1	6	4	3
	OPERATING HRS.		24	0	24	24	24	24	24	24	24	12	0	24	24	24	24	12	24
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
Trucks/Boats	Standby/Tankers		AB-6504																
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS		529	Barite- SX		Bentonite - SX		Cement G- SX		0							
REPAIR ASAP	Instrumentation		Other		Computer, Communication & V-Sat Issues												Reporter		



Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ABQQ-233 (SIDETRACKING IT INTO THE ARAB-D ZONE-1)</b>	Rig <b>ADC-12</b>	Foreman(s) <b>CAISIN, IOAN NICOLAE/ ATTIA, ISLAM AHMED/ ASSIRI, ABDULRAHMAN KHALED/ ABDELHADY, MAHMOUD ABDELHADY/ HAJRI, ASKAR SAUD</b>
Engineer			
Superintendent	<b>THURAYA 00-88-216-777-110-77</b>	<b>RIG FORMAN VSAT</b> <b>572-9490</b>	<b>FAX VSAT</b> <b>572-5140</b> <b>CONTRACTOR/CLERK VSAT</b> <b>572-3810</b>

Depth <b>7513</b>	Last 24 hr operations <b>RIG MOVE</b>	Next 24 hr plan <b>R/U ON ABQQ-233, COMMENCE OPS</b>	Location <b>38 KM FROM DMG</b>	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops
Prev. Depth <b>7513</b>	Liner Size <b>4 1/2</b>	TOL <b>7218</b>	MD <b>8747</b>	TVD	Last Csg Size <b>7</b> MD <b>7399</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
00.5	0500 - 0530	0		N	RM	PJSN	NA	RIG	0	0			HELD PRE-JOB SAFETY MEETING WITH ALL INVOLVED PARTIES.
11.5	0530 - 1700	0		N	RM	RU	NA	RIG	0	0			R/U TDS AND BELLY BOARD, GENERAL R/U. MANSOORI PERFORMED STAND ALONE GAS MONITORING SYSTEM CALIBRATION. CALIBRATE AND FUNCTION TESTED RIG'S SENSORS.
05.0	1700 - 2200	0		N	MAIN	RR	TDS	RIG	0	0			RIG MAINTENANCE, CHANGED TDS IBOP, MPI INSPECTION FOR AIR RECEIVERS.
06.5	2200 - 0430	0		N	RM	RU	NA	RIG	0	0			R/D 100%, R/M 100 %, R/U 95%. - R/U OILSERV OPTIMIZED DECOMPLETION PACKAGE IN PROGRESS.
00.5	0430 - 0500	0		N	SUSP	OTH	NA	RIG	0	0			SUSPENDED OPERATIONS DUE TO SAND STORM.

ODF CORRECTION=-5 FT

=====RIG MOVE=====

RIG MOVE DISTANCE 6 KM. TIME SINCE RIG RELEASED=6.3 DAYS.

1 X RIGGER I, 1 X RIGGER II, 1 TRUCK PUSHERS. ALL WITH VALID CERTIFICATES.

1+1 FORKLIFTS, 4+1 CRANES, 1 X GENIE LIFT, 10 X FLAT BED TRUCKS, 1 X WINCH TRUCK.

=====>> SAWOD HSE ADVISOR KAREM A ABOELKHAIR #8549556 ON LOCATION.

=====>> MATERIAL EXPEDITOR ZAID AL HARTHI ID# 8331490 ON LOCATION SINCE 02/26/2023.

=====>> DIESEL CONSUMPTION =====

=====>> DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) = (DAILY: 10 BBL / TOTAL PER WELL: 76 BBL).

=====>> VACUUM TANKERS =====

=====>> AL-MANSOORI STAND ALONE GAS MONITORING SYSTEM ON SITE SINCE 02/22/2023.

=====>> OILSERV WELL TESTING ON SITE SINCE 02/26/2023 @ 16:00 HRS.

=====>> NEXT WELLS =====

=====>> ABQQ-239 : STRIP OUT 0%, LOCATION 0% (NEED RAISE LOCATION 0.6 M & DETOUR AS BLACK TOP LOCATED INSIDE 1/2 LFL).

#### Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS				
<b>MUD DATA</b>													
<b>MUD TREATMENT</b>													
<b>BIT DATA</b>													
<b>DRILL STRING</b>													
<b>Miscellaneous</b>													
BOP Test		BOP Drills		Wind		Sea	Weather		DSLTA				
				<b>MODERATE</b>		<b>NA</b>	<b>SEASONAL</b>		<b>5498</b>				
Real-Time Data Quality							<b>No Transmission</b>						
<b>Personnel and Services Information</b>													
COMPANY		<b>OWT</b>	<b>ABE</b>	<b>RIG</b>	<b>GDF</b>	<b>ASH</b>	<b>MH2</b>	<b>RIG</b>	<b>ARM</b>	<b>ARM</b>			
CATEGORY		<b>WTSE</b>	<b>CTRG</b>	<b>RIG</b>	<b>DFMS</b>	<b>FLD</b>	<b>H2S</b>	<b>OTHR</b>	<b>OTHR</b>	<b>WSC</b>			
NO. OF PERSONS		<b>6</b>	<b>15</b>	<b>50</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>40</b>	<b>2</b>	<b>2</b>			
OPERATING HRS.		<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>24</b>			
ON LOCATION HRS.		<b>13</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>				
		<b>Total 120</b>											
<b>Trucks/Boats</b>		Standby/Tankers		<b>PICK-UP DH-7503</b>		<b>RIG AMBULANCE</b>		<b>3 RAW WATER TRUCKS</b>		<b>CAMP DIESEL = 20 BBLS</b>			
<b>BULK</b>		Drill Wtr.-BBLS		Pot Wtr.- BBLS		Fuel- BBLS		Barite- SX		Bentonite - SX			
		<b>1500</b>		<b>100</b>		<b>158</b>		<b>3</b>		<b>23</b>			
<b>REPAIR ASAP</b>		Instrumentation		Other		Computer, Communication & V-Sat Issues				Reporter			

## D&amp;WO Morning Report (Service Providers View)

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Daily Onshore

(0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HRDH-1289 (TO DE COMPLETE, SIDETRACK &amp; DRILL THE WELL IN TWO- HOLE SIZES AS A HORIZONTAL ACROSS UNYZ-A RESERVOIR)</b>	Rig <b>ADC-14</b>	Foreman(s) <b>MUBARK, YAQOOB YOUSEF/ HUSSIEN, MOHAMED ABDELRAHMAN/</b>
	Engineer Superintendent	<b>TURAYA +8821677711078 577-3938</b>	<b>HASHIM, AHMED OMAR/ OTAIBI, MUKHLED FARAH RIG FORMAN VSAT MOBILE FAX VSAT CONTRACTOR/CLERK VSAT 577-3509</b>
Charge <b>(71- 22058- #: 1289)</b>	Wellbores: (0) HRDH_1289_0		

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>12326</b>	<b>RIG MOVE TO HRDH-1289 &amp; R/U ON HRDH-1289.</b>	<b>R/U ON HRDH- 1289.</b>	<b>261 KM FROM DHARAHN MAIN GATE</b>	<b>0.0 (@)</b>	

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>12326</b>	<b>7</b>	<b>11957</b>	<b>11878</b>		<b>9 5/8</b>	<b>10507</b>	<b>10500</b>	<b>0</b>	<b>100</b>

Hrs (From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
								Start	End	Start	End	
<b>24.0</b>	<b>0500 - 0500</b>	<b>0</b>	<b>N</b>	<b>RM</b>	<b>RM</b>	<b>NA</b>	<b>RIG</b>	<b>12326</b>	<b>12326</b>			<b>HELD DAILY SAFETY MEETING WITH ALL PERSONNEL INVOLVED IN RIG UP &amp; MOVE, DISCUSSED RIG UP OPERATIONS HAZARDS, DISCUSSED SAFETY PRECAUTION AND HAZARDS OF RIG UP.</b>
												<b>RIG MOVE TO HRDH-1289&amp; RIG UP.</b>
												<b>- RAISE UP MAST. - SPOT CEMENT TANK. - R/U SET BACK. - R/UP DEGASSER LINE. - INTALLED BOP BEAMS. - R/U TOP DRIVE SYSTEM - CON'T. GENERAL RIG UP RIG MOVE: 100% RIG DOWN: 100% R/U UP: 80%</b>
												<b>** RIG RELEASED: @ 12:00 HRS ON 02/20/2023. ** DAYS SINCE RIG RELEASED: 6.7 DAYS. ** PRE-MOVE LOAD: 27 ** TODAY LOAD: 8, ARAMCO LOADS:3, ADC-LOADS: 5 ** TOTAL LOADS: 208 ARAMCO :20, ADC: 188</b>

**=SAFETY=**

&gt;&gt; OPERATIONAL ALERT 04-23 DP DAMAGED WHILE CROSSING TOL

&gt;&gt; HSE ALERT 23-1 WELL CONTROL INCIDENT LESSON SHARING.

&gt;&gt; DRILLS: NONE

&gt;&gt; STOP CARDS: 9.

&gt;&gt; 2 ND RSI 2022 TOTAL FINDINGS: 35, CLOSED: 35, OPEN: 0.

&gt;&gt; Q2 3MCI MAY-2022 AUDIT TOTAL FINDINGS: 32, CLOSED: 32, OPEN: 0.

&gt;&gt; Q4 3MCI 2022 30-OCT-2022 TOTAL FINDINGS: 32 CLOSED: 32 OPEN: 0.

&gt;&gt; Q1 3MCI 2023 23-JAN-2022 TOTAL FINDINGS: 26 CLOSED: 23 OPEN: 3.

&gt;&gt; CEHA AUDIT JAN-2022 TOTAL FINDINGS: 39, CLOSED: 39, OPEN: 0.

&gt;&gt; WCEI AUDIT FEB-2022 TOTAL FINDINGS: 8, CLOSED: 8, OPEN: 0.

&gt;&gt; HAZCOM AUDIT JAN-2022 TOTAL FINDINGS: 31, CLOSED: 31, OPEN: 0.

**=ARAMCO PERSONNEL ON LOCATION=**

&gt;&gt; MATERIAL EXPEDITOR JOHAR ALQATAR #8508949 ON LOCATION 2/13/2023.

&gt;&gt; TALAL ALTAISAN #265740 ON LOCATION 02/13/2023

**=THIRD PARTY PERSONEL & EQUIPMENT=**

&gt;&gt; EMEC MUD ENGINEER ON LOCATION.

&gt;&gt; KHALED FARID #8033247 MUD EMEC S.V VISIT THE RIG.

&gt;&gt; TODAY CREW SHORTAGE: 0 ROUSTABOUT &amp; 0 FLOOR HANDS.

**=MISC=**

&gt;&gt; AL-MADEED VACCUM TANKER:

1-PLATE 8538-UAA, 2-PLATE 7401-LRA,3-PLATE 2296-KRB,4-PLATE 4305-LVA,5-PLATE 8939-LRA,6-PLATE 7106-XJA, 7-PLATE 1447-EGA

&gt;&gt; DRSS: 1003830580

&gt;&gt; TRIPS: 01 TRIPS /DAY SINCE 02/01/2023.

&gt;&gt; AL-MADEED VACCUM TANKER:

1-PLATE 2731-XRA , 2-PLATE 3290-BRA

&gt;&gt; DRSS: 1003830583

&gt;&gt; TRIPS: 01 TRIPS /DAY SINCE 02/15/2023.

>> GECAT DUMP TRUCK:

1-PLATE 2737-GUA

>> DRSS: 1003852538

>> TRIPS: 01 TRIPS /DAY SINCE 02/22/2023.

=====NEXT WELLS=====

>> 1ST NEXT WELL HRDH-1856: UNYZ-A S-SHAPE. PRE-WO MEETING DONE ON JAN 4TH. STRIP OUT COMPLETED 100 %. LOCATION 30% READY.

>> 2ND NEXT WELL HRDH-1090: NDE WELL. PRE-WO MEETING NOT HELD.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
MUD DATA									
MUD									
TREATMENT									
BIT DATA									
DRILL STRING									
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #									
Miscellaneous		BOP Test	BOP Drills	Wind	NORMAL	Sea	Weather	DSLTA	Safety Meeting
					N/A		SEASONAL	4278	DAILY
		Real-Time Data Quality				No Transmission			
Personnel and Services Information	COMPANY	SCC	RIG	EMC	MJH	RIG	ARM	ARM	Total 92
	CATEGORY	CTRG	RIG	DFMS	SEC	OTHR	OTHR	WSC	
	NO. OF PERSONS	13	41	1	6	26	3	2	
	OPERATING HRS.	0	24	24	0	12	12	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers								
	AB-6304								
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX			
REPAIR ASAP	Instrumentation	Other							Reporter
	Computer, Communication & V-Sat Issues								
<b>BROAD BAND NOT WORKING.</b>									

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D&WO Morning Report (Service Providers View) Copyright 2010 Saudi Aramco. All Rights Reserved Daily Onshore (0500-0500) Saudi Aramco		Date <b>MONDAY</b> 02/27/2023	Well No (Type) : <b>HRDH-2317</b> (HRDH-2317 IS AN MK-1 UNAYZAH-A SINGLE LATERAL GAS PRODUCER)	Rig <b>ADC-15</b>	Foreman(s) <b>ALHASHEM, ESSA IBRAHIM/ BENISSA, ABED/ USKEMBAYEV, ALIBEK/ IMATOUKENE, ABDELAZIZ/ TARIQ, BILAL/ HUAIMLI, AHMED ABDULAZIZ</b>		
		Charge #: <b>(66-22058-2317)</b>	Wellbores: (0) HRDH_2317_0	Engineer Superintendent	THURAYA <b>00-88-216-7771-1059</b>		
				RIG FORMAN VSAT <b>013-577-3595</b>	OTHER VSAT <b>013-880-7244 GEOLOGIST</b>	CONTRACTOR/CLERK VSAT <b>013-577-3594</b>	CONTRACTOR/CLERK VSAT <b>013-880-7246 RIG CLERK</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>14941</b>	<b>POOH &amp; L/D DIRECTIONAL TOOLS. P/U NEW MWD &amp; RIH, RE-LOG.</b>	<b>RE-LOG, DIRECTIONAL DRILL 8-3/8" HOLE TO LP CHC, WIPER TRIP, POOH TO SURFACE.</b>	<b>18 KM ON YABREEN ROAD AFTER HRDH, TURN RIGHT FOR 6 KM SKID ROAD</b>	<b>37.0</b> (01/21/2023@0500)	<b>BJDM 10690 7 FT DEEPER. SDDM 12371 6 FT TVD DEEPER KHFF 12815 5 FT TVD SHALLOWER KFAC 12839 8 FT TVD SHALLOWER KHFA 12896 1 FT TVD SHALLOWER KFB 12959 4 FT TVD SHALLOWER KHF 13002 2 FT TVD SHALLOWER KFCC 13473 ON GRID KFCR 13495 ON GRID KFDA 13756 ON GRID BKDC 14260 3 FT TVD SHALLOWER</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>14941</b>					<b>9 5/8</b>	<b>10711</b>	<b>10711</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	LT TYPE	LT ID	Summary of Operations					
<b>01.0</b>	<b>0500 - 0600</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>14941</b>	<b>14941</b>			<b>BHA</b>	<b>909560</b>	<b>FLOW CHECK - WELL STATIC. &gt; SPOT 180 BBLS SEALING PILL ON BTM.</b>			
<b>03.8</b>	<b>0600 - 0945</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>TO</b>	<b>STDP</b>	<b>RIG</b>	<b>14941</b>	<b>14941</b>	<b>14941</b>	<b>10711</b>	<b>BHA</b>	<b>909560</b>	<b>POOH FREELY WITH SLB 8-3/8" DIRECTIONAL ASSEMBLY ON 5-1/2" DP TO 9-5/8" CSG SHOE. &gt; FLOW CHECK FOR 30 MINS AFTER PULLING 10 STDS - WELL STATIC.</b>			
<b>00.5</b>	<b>0945 - 1015</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>WCNT</b>	<b>NA</b>	<b>RIG</b>	<b>14941</b>	<b>14941</b>			<b>BHA</b>	<b>909560</b>	<b>FLOW CHECK - WELL STATIC.</b>			
<b>04.2</b>	<b>1015 - 1430</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>TO</b>	<b>STDP</b>	<b>RIG</b>	<b>14941</b>	<b>14941</b>	<b>10711</b>	<b>467</b>	<b>BHA</b>	<b>909560</b>	<b>POOH WITH SLB 8-3/8" DIRECTIONAL ASSEMBLY ON 5-1/2" DP TO BHA. DISPLACEMENT OK. &gt; KPI: 19 STDS/HR, ACTUAL: 25 STDS/HR.</b>			
<b>00.5</b>	<b>1430 - 1500</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>WCNT</b>	<b>NA</b>	<b>RIG</b>	<b>14941</b>	<b>14941</b>			<b>BHA</b>	<b>909560</b>	<b>FLOW CHECK - WELL STATIC.</b>			
<b>00.8</b>	<b>1500 - 1545</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>TO</b>	<b>BHA</b>	<b>RIG</b>	<b>14941</b>	<b>14941</b>	<b>467</b>	<b>103</b>	<b>BHA</b>	<b>909560</b>	<b>RACK BACK STDS OF 5-1/2" HWDP TO MAST &amp; L/D NAPESCO 6-1/2" HM DRLG JAR. &gt; L/D NAPESCO 6-1/2" HM DRLG JAR @ 15:30 HRS.</b>			
<b>02.0</b>	<b>1545 - 1745</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>HT</b>	<b>BHA</b>	<b>SDM</b>	<b>14941</b>	<b>14941</b>			<b>BHA</b>	<b>909560</b>	<b>HPJSM, L/D SLB MWD, P/U NEW MWD, CHANGE OUT FLOATS AND CLEAN FILTER SUB. &gt; MONITOR WELL VIA TRIP TANK, WELL STATIC.</b>			
<b>00.8</b>	<b>1745 - 1830</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>TI</b>	<b>STDP</b>	<b>RIG</b>	<b>14941</b>	<b>14941</b>	<b>467</b>	<b>1884</b>	<b>BHA</b>	<b>909560</b>	<b>RIH WITH SLB 8-3/8" DIRECTIONAL ASSEMBLY ON 5-1/2" DP FILLING EVERY 20 STDS TO 1,884 FT.</b>			
<b>00.5</b>	<b>1830 - 1900</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>14941</b>	<b>14941</b>			<b>BHA</b>	<b>909560</b>	<b>BREAK CIRCULATION &amp; SHALLOW TEST DIRECTIONAL TOOLS: 1,480 PSI @ 500 GPM.</b>			
<b>04.0</b>	<b>1900 - 2300</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>TI</b>	<b>STDP</b>	<b>RIG</b>	<b>14941</b>	<b>14941</b>	<b>1884</b>	<b>10711</b>	<b>BHA</b>	<b>909560</b>	<b>RIH WITH SLB 8-3/8" DIRECTIONAL ASSEMBLY ON 5-1/2" DP FILLING EVERY 20 STDS TO 9-5/8" CSG SHOE. &gt; TEST MWD SIGNAL @ 7,551 FT, GOOD SIGNAL @ 500 GPM - 2,300 PSI. &gt; TEST MWD SIGNAL @ 10,711 FT, GOOD SIGNAL @ 530 GPM - 3,050 PSI. &gt; KPI: 19 STDS/HR, ACTUAL: 23 STDS/HR.</b>			
<b>02.0</b>	<b>2300 - 0100</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>RR</b>	<b>DWKS</b>	<b>RIG</b>	<b>14941</b>	<b>14941</b>					<b>HPJSM, SLIP &amp; CUT DRLG LINE. RE-SET &amp; TEST CROWN AND FLOOR SAVERS. &gt; MONITOR WELL VIA TRIP TANK, WELL STATIC.</b>			
<b>04.0</b>	<b>0100 - 0500</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>TI</b>	<b>STDP</b>	<b>RIG</b>	<b>14941</b>	<b>14941</b>	<b>10711</b>	<b>14550</b>	<b>BHA</b>	<b>909560</b>	<b>RIH FREELY WITH SLB 8-3/8" DIRECTIONAL ASSEMBLY ON 5-1/2" DP FILLING EVERY 20 STDS TO 14,550 FT.</b>			

Lost Time Details																
From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID			Type	Cause	Object	Resp Co	Depth	LT Summary				
<b>26 Feb 2315 - 0500</b>	<b>22</b>	<b>27.75</b>	<b>909560</b>				<b>BHA</b>	<b>FOT</b>	<b>MWD</b>	<b>SDM</b>	<b>14941</b>	<b>LOST COMMUNICATIONS WITH SLB MWD</b>				

**\*\*OBJECTIVE\*\***

HRDH-2317 IS AN MK-1 UNAYZAH-A SINGLE LATERAL GAS PRODUCER WITH 3000 FT OF RESERVOIR CONTACT LOCATED IN HRDH FIELD.

=====

**\*\* FLAT TIME KPI\*\***

> DP TRIPPING KPI: 19 STD/HR / ACTUAL: 20 STD/HR.  
> 24" CSG KPI: 4 JTS/HR / ACTUAL: 8 JTS/HR.  
> 18-5/8" CSG KPI: 7 JTH/R / ACTUAL: 12 JNTS/HR.  
> 13-3/8" CSG KPI: 11.5 JT/HR / ACTUAL: 14 JNT/HR.  
> 9-5/8" CSG KPI: 14 JT/HR/ACTUAL: 20 JNTS/HR  
> 7" LINER KPI: 14 JT/HR/ACTUAL:  
> 4-1/2 LINER KPI: 13 JT/HR/ACTUAL:  
> 4-1/2" UPPER COMPLETION KPI: 13.5 JT/HR/ACTUAL:  
INSTALL 18 5/8" X 18-3/4" 5M CSG HEAD KPI: 5 HR/ACTUAL:  
INSTALL 18 3/4" X 13 5/8" 10M CSG SPOOL KPI: 5 HR/ACTUAL: 4 HRS.  
INSTALL 13-5/8" 10K X 11" 10K TBG SPOOL KPI: 4 HR/ACTUAL: 3 HRS.

=====

**\*\*CASING SETTING DEPTHS\*\***

DRILL 28" HOLE TO 914 FT (50 FT INTO RUS) & SET 24" CSG @ 850 FT.  
DRILL 22" HOLE TO 2,966 FT (56 FT INTO AHMADI) & SET 18-5/8" CSG @ 2,965 FT.  
DRILL 16" HOLE TO 5,635FT (50 FT INTO MDTM) & SET 13-3/8" CSG @ 5,623 FT.  
DRILL 12" HOLE TO 10,713 FT (30' TVD INTO BJDM) & SET 9-5/8" CSG @ 10,711 FT.  
DRILL 8-3/8" HOLE TO 15,299 FT (2 FT TVD INTO PUZU) & SET 7" LINER.  
DRILL 5-7/8" HOLE TO 18,317 FT (3,000 FT OF LATERAL ACROSS UNZ-A) & SET 4-1/2"LINER

=====

**\*\*ARAMCO POB & VISITORS\*\***

- ARAMCO MATERIAL EXPEDITOR ALANEZY ABDULAZIZ# 8219592 ON LOCATION FEB-12-2023.  
- ARAMCO FCT JAAFAR BOKHADER #764543 ON LOCATION SINCE FEB-17-2023.  
- ARAMCO PDP KHALID ALSHAMRANI # 812868 ON LOCATION FEB-19-2023.  
- ARAMCO DOECD FCC RABAH OUKHOUYA # 8518251 ON LOCATION FOR 2ND RHSEI FOLLOW UP ON FEB-26-2023.

=====

**\*\*RENTAL EQUIPMENT\*\***

- NAPESCO 6 1/2" HMJ S/N HMJ-650-033 ON LOCATION ON FEB-24-2023 AT 02:15 HRS.

=====

**\*\*SAFETY, DRILLS, NEAR MISS & ALERTS\*\***

DISCUSSED AND EXPLAINED THE STOP WORK AUTHORITY WITH THE NEWLY ARRIVED CREW, DISCUSSED HSE ALERT 20-23 - HAND INJURY WHILE USING IRON ROUGHNECK, HSE ALERT 21-23 - FALL FROM DIFFERENT LEVELS DURING RIG MOVE, GOOD COMMUNICATIONS TO BE MAINTAINED, PROPER TOOLS TO BE USED WHICH FIT FOR THE JOB, IMPORTANCE OF MAINTAINING PROPER HOUSEKEEPING. FOCUS ON THE JOB & ALWAYS STAY AWAY FROM THE LINE OF FIRE, CREW TO BE RESPONSIBLE FOR THEIR ACTS, PROPER HANDOVER. RS DISCUSSED OPERATION

AS PER THE GAME PLAN, REMINDED CREW THAT SAFETY IS OUR PRIORITY. OPEN DISCUSSION (ENGLISH & ARABIC DISCUSSION).

> NEAR MISS: NONE.

> ARAMCO ALERTS: NONE.

> SAFETY DRILLS: 1 X PIT DRILL - 2 X TRIP DRILL.

=====

\*\*MUD LOGGING -GEOLOG\*\*

LAST SAMPLE @ 14,941 FT: 10% DOLOMITE, 10% SILTSTONE, 80% SHALE.

BG GAS: N/A, CONNECTION GAS: 0%, TRIP GAS: N/A.

=====

\*\*DIRECTIONAL PLAN & WELL POSITION\*\*

DIRECTIONAL PLAN: HRDH-2317 L0 P5" 19-FEB-23

ACTUAL WELLBORE: 1.4 FT ABOVE & 4.6 FT TO LEFT OF PLAN AT 14,941 FT MD.

SENSORS OFFSETS FROM BIT: RSS GR = 7.05 FT, MWD GR = 34.35 FT, MWD D&I = 36.47 FT

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> NEXT LOCATION: HRDH-2203 (100% COMPLETED).

Remarks

Lateral	Survey MD			Angle	Azimuth		CLength		TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS
MUD DATA	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability			3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM			
	110 PCF	62 SEC	2 HTHP	API	41	20	890 Volts			9 / 10	10 / 15	0	0	0			
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %			% LGS	MBT	Mud type	Water Well #				
	0	1	0	11.5	56.5	32	0			6.26	0	RELIANT	HRDH-895, HRDH-3541				
MUD TREATMENT	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability			3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM			
	110 PCF	63 SEC	2 HTHP	API	42	20	905 Volts			9 / 10	10 / 14	0	0	0			
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %			% LGS	MBT	Mud type	Water Well #				
	0	1	0	11.5	56.5	32	0			6.26	0	RELIANT	HRDH-895, HRDH-3541				
BIT DATA	ECOTROL-RD	ONETROL HT	MRBL-M	CAOH2	CACO3-50	CACO3-25	STELSEALFN	STELSL50	MRBL-F	BARITE	CONDENT						
	2(50LB)	2(50LB)	8(50LB)	2(50LB)	2(50LB)	2(50LB)	2(50LB)	2(50LB)	1(2200L)	1(5000L)	19(56L)						
	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out						
	9RR	M423	8.375	REED	S278609	SK616M4D	/ 2 X 12 / 4 X 13 /	0.739	14941	14941							
DRILL STRING	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP	
			0	70	1	1	WT	A	X	0	3680	540	235	331.79		228	
	Float	Y															
Miscellaneous	BHA Hrs:	0															
	String Wt.	Pick Up	Slack Off	325			Rot. Torque	3000			Jars:	Serial #/Hrs	/	/	Shock Sub:	/	Mud Motor: / /
	330	338															
	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #			
DRILL STRING	1	Bit	REED	8.375	1	8.375		0.72	4-1/2" REG					S278609			
	2	RSS	SDM	6.75	1	6.75	4.2	13.42	4-1/2" IF	4-1/2" REG				N001287			
	3	Saver Sub	SDM	6.89	1	6.89	3.87	1.26	4 1/2" IF	4 1/2" IF				32196			
	4	Component Not listed	SDM	6.75	1	6.75	2.8	7.52	5 1/2" FH	4 1/2" IF				83052SAT			
	5	Saver Sub	SDM	6.9	1	6.9	3.875	1.12	5 1/2" FH	5 1/2" FH				3977.15.2			
	6	Measurement While Drilling (MWD)	SDM	6.9	1	6.9	5.111	25.15	5-1/2" FH	5-1/2" FH				N004428			
	7	Saver Sub	SDM	6.9	1	6.9	3.875	1.24	4-1/2" IF	5-1/2" FH				5803			
	8	Non Magnetic Drill Collar ( NMDC )	SDM	6.5	1	6.8	2.75	30.49	4-1/2" IF	4-1/2" IF				75221012			
	9	Float Sub	SDM	7	1	7	2.75	1.73	4-1/2" IF	4-1/2" IF				ITS338643			
	10	Filter Sub	SDM	6.9	1	6.9	2.88	6.89	4-1/2" IF	4-1/2" IF				6751056			
	11	Float Sub	SDM	7	1	7	2.8	2.07	4-1/2" IF	4-1/2" IF				2107441			
	12	Component Not listed	SDM	6.75	1	6.75	3.25	7.89	4-1/2" IF	4-1/2" IF				MNB5265902			
	13	Crossover	RIG	6.625	1	6.625	2.625	3.65	XT-54	4-1/2" IF				18404741			
	14	Heavy Weight Drillpipe (HWDP)	RIG	5.5	6	5.5	3.25	181.78	XT-54	XT-54				ON FILE			
	15	Hydraulic Jar	NPC	6.5	1	6.625	2.25	30.84	XT-54	XT-54				HMJ650033			
	16	Heavy Weight Drillpipe (HWDP)	RIG	5.5	5	5.5	3.25	151.24	XT-54	XT-54				ON FILE			
	17	Drillpipe	RIG	5.5	1	5.5			XT-54	XT-54			G				
Miscellaneous	BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting										
	02/25/2023	02/25/2023	SLOW	SEASONAL	7327	2 X TOURLY											
Real-Time Data Quality				Sensors Quality		100%	Data Frequency		100%	Real-Time Hrs		11.49/24 hrs					
Personnel and Services Information	COMPANY	RTC	ITS	SUW	RIG	SMI	MJH	BFS	NPC	SDM	BR1	RO1	RIG	ARM	MI2	OTH	ARM
	CATEGORY	BITS	CSR	CTRG	RIG	DFMS	SEC	FILT	JST	LWD	MLS	MLS	OTH	OTH	SCS	VAC	WSC
	NO. OF PERSONS	0	5	14	39	2	5	6	0	3	0	4	14	3	1	3	4
	OPERATING HRS.	24	0	0	24	24	0	24	24	24	24	24	24	24	10	24	
	ON LOCATION HRS.	0	24	24	24	24	24	24	0	24	0	24	24	24	24	24	24
Trucks/Boats	Standby/Tankers	AB-6418															Total 103
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX		Bentonite - SX		Cement G- SX									
	1399	1820	594	237		110		1000									Reporter
REPAIR ASAP	Instrumentation	Other	Computer, Communication & V-Sat Issues														

D&WO Morning Report (Service Providers View)  
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Daily Onshore  
(0500-0500) Saudi Aramco

Date <b>MONDAY</b> <b>02/27/2023</b>	Well No (Type) : <b>ABJF-3010</b> <b>(MK-1 EVALUATION</b> <b>PRODUCER WELL</b> <b>WITH PILOT-HOLE</b> <b>ACROSS</b> <b>SARAH/QASIM)</b> Charge <b>(66- 20087-</b> <b>#:</b> <b>3010)</b> Wellbores: (0) ABJF_3010_0	Rig <b>ADC-16</b>	Foreman(s) <b>NADOR, LASZLO TAMAS/ ZABAT, BAHOUS/</b> Engineer <b>BEGLIYEV, AMANMYRAT/</b> Superintendent <b>ABDULMOHSIN, ABBAS FATHIL</b>	THURAYA <b>89882052103050098676</b>	RIG FORMAN VSAT <b>013-5745047</b>	OTHER VSAT <b>0135745048</b>	CONTRACTOR/CLERK VSAT <b>013-5745046</b>
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Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>2930</b>	<b>C/O SHOE TRACK. DISPLACE MUD, DRILL OUT SHOE AND DRILL AHEAD 16" VERT HOLE.</b>	<b>DRILL 16" HOLE TO CP 4,144' (100' INTO HITH).</b>	<b>ABJF-3010, 281 KM F/DHAHRAN MAIN GATE</b>	<b>6.2</b> (02/21/2023@0000)	<b>ARUM 340 WASI 895 SHUB 1674</b> 8' SHALLOWER 23' SHALLOWER
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %
<b>1001</b>					<b>18 5/8 995 995 1929 100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
02.0	0500 - 0700	0	22	N	DRLG	DC	TDS	RIG	1001	1001	955	985	CONT TO DRILL OUT HARD CEMENT TO 10 ABOVE FLOAT SHOE WITH WATER.
04.5	0700 - 1130	0	22	N	DRLG	CIRC	MPMP	RIG	1001	1001			PUMP 100 BBL HVS AND DISPLACE WELL TO 67 PCF PHPA MUD. CONDITION MUD.
01.5	1130 - 1300	0	22	N	DRLG	DFS	TDS	RIG	1001	1001	985	1001	DRILL OUT REMAINING HARD CEMENT FROM SHOE WITH PHPA MUD. CLEAN RAT HOLE.
03.5	1300 - 1630	0	16	N	DRLG	D	TDS	RIG	1001	1596			ROTARY DRILLING 16" VERT. HOLE WITH 67 PCF PHPA. USE CONTROL PARAMETERS UNTIL ALL REAMERS OUT OF CASING. > PUMP HVS EA 45 FT DRILLED AND BEFORE CONN. > REAM EA STD PRIOR MAKING CONNECTION
02.5	1630 - 1900	0	16	N	DRLG	CIRC	MPMP	RIG	1596	1596			CIRCULATE B/U PRIOR ENTERING SHU'AIBA FORMATION TO UNLOAD ANNULUS.
04.0	1900 - 2300	0	16	N	DRLG	D	TDS	RIG	1596	1890			RESUME ROTARY DRILLING 16" VERT. HOLE WITH 67 PCF PHPA. > PUMP HVS EA 45 FT DRILLED AND BEFORE CONN. > REAM EA STD PRIOR MAKING CONNECTION
01.0	2300 - 0000	0	16	N	DRLG	RR	TDS	RIG	1890	1890			RIG SERVICE - TDS- DROPS.
05.0	0000 - 0500	0	16	N	DRLG	D	TDS	RIG	1890	2930			RESUME ROTARY DRILLING 16" VERT. HOLE WITH 67 PCF PHPA. > PUMP HVS EA 45 FT DRILLED AND BEFORE CONN. > REAM EA STD PRIOR MAKING CONNECTION

ABJF-3010 WHICH WILL BE DRILLED AS OIL-EVALUATION/PRODUCER IN ABJF IS A MK-1 EVALUATION PRODUCER WELL WITH PILOT-HOLE ACROSS SARAH/QASIM

**=ARAMCO PERSONNEL ON LOCATION=**

- ARAMCO CLERK GOVIND BAHADUR OLI ON THIS LOCATION SINCE 02/10/2023.
  - ARAMCO MATERIAL EXPEDITOR, FAHAD ABDULAZIZ HUWAYJI #816322 OFF LOCATION 02/22/2023.
  - ARAMCO FCT, HASSAN ALQAHTANI #288323 OFF LOCATION 2/22/2023

#### **INATOR ON LOCATION F**

- ABCTOOLP  
ABC TOOL PUSHER, DAY/NIGHT, WELLACHI / AUBREY DAVEY

**AUBREY DAVEY.  
—SERVICE COMPANY**

- EMC MUD ENGINEER ON RIG 2/17/2023.  
SLR BIT RUNNER, ON LOCATION 2/20/2023

## TOOLS & EQUIPMENT

- 9-1/2" HM JAR SN: HJM 950-0012 ON LOCATION 2/24/2022 @ 21:30 HRS RUN IN HOLE 2/25/2023 @ 20:00

SAFETY

**PRE-TOUR MEETING: STOP CARDS/TOURS STATISTICS, PRACTICE SWA ENCOURAGED CREW TO WRITE MORE STOP CARDS. PARTICIPATION REQUIRED FROM SUPERVISORS. FIRST DAY SAFETY; EASY ON THE MUSCLES, REPORT ANY MEDICINE TAKEN ON OFF DAYS TO RIG MEDIC. PRESENTED PARTIAL HOUSEKEEPING CAMPAIGN. FOLLOW BUDDY SYSTEM, GREEN HAT TO ONLY WORK UNDER SUPERVISION. GDD FEBRUARY-2023 CAMPAIGN: ELECTRICAL SAFETY ROTATION OF BLUE HELMET: ASSIGNED NEW EMPLOYEE FOR THE WEEK.**

#### - DRILLS: FIRE PUMP DRILL X 2

**=====AUDIT/INSPECT**

- =====**RIG VISITS**=====

  - ADC OPERATION MANAGER AHMED ALI SALMAN ALALEIWY LAST VISIT ON 12/14/2022.
  - ADC RIG MANAGER GOHAR PARVEZ ON LOCATION F./FEB 18-19, 2023 TO SUPPORT MAST ERECTION.

D AL-QAYYUM LAST VISIT

- NEXT LOCATION: UTMN 2363 80% READINESS**

**REMARKS**

### Remarks

Remarks													
Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight <b>66</b>	Funnel Vis. <b>50</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>10</b>	YP <b>26</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>6 / 8</b>	Gels Sec/Min <b>7 / 11</b>	PH <b>10</b>	CA PPM <b>200</b>	CL PPM <b>800</b>	
	FL Temp <b>110</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>92</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>8</b>	Sand Vol. % <b>0</b>	% LGS <b>4.91</b>	MBT <b>7.5</b>	Mud type <b>INPHPA</b>	Water Well # <b>ABJF-831, ABJF-815</b>		
	Weight	Funnel Vis.	Filtrate(WL)		PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM	

	<b>67</b> PCF	<b>52</b> SEC	<b>0</b> HTHP	Filtrate (WL) API	<b>11</b>	<b>27</b>	<b>0</b> Volts	<b>6 / 8</b>	<b>7 / 11</b>	<b>9.5</b>	<b>200</b>	<b>800</b>									
	FL Temp <b>110</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>91</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>9</b>	Sand Vol. % <b>0</b>	% LGS <b>4.97</b>	MBT <b>7.5</b>	Mud type <b>INPHPA</b>	Water Well # <b>ABJF-831, ABJF-815</b>										
MUD TREATMENT	<b>BENT</b>	<b>CAUST</b>	<b>MRBL-F</b>	<b>MRBL-M</b>	<b>MICA-CRSE</b>	<b>MICA-FINE</b>	<b>S-PHPA-S</b>	<b>DEXT</b>	<b>XC</b>												
5(2500L) 6(50LBP) 5(2200L) 5(2200L) 40(55LB) 40(55LB) 70(55LB) 260(55LB) 30(55LB)																					
BIT DATA	Bit Number <b>3</b>	IADC <b>M223</b>	Size <b>16</b>	Manufacturer <b>SMT</b>	Serial Number <b>SM2537</b>	Type <b>MDSI716C / 10 X 12 / 1.104 1001 2930</b>	Jets	TFA	MD In	MD Out	TVD Out										
	Feet <b>30</b>	Hours <b>110</b>	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP	<b>1200</b>	<b>900</b>	<b>262</b>	<b>97.71</b>	<b>120.05</b>
DRILL STRING	Float <b>Y</b>																				
	BHA Hrs: <b>35</b>																				
	String Wt. <b>206</b>	Pick Up <b>210</b>	Slack Off <b>205</b>	Rot. Torque <b>14000</b>			Jars: Serial #/Hrs			/	Shock Sub:		/	Mud Motor:	/						
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #					
	<b>1</b>	<b>Bit</b>			<b>SMIT</b>	<b>16</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>1.3</b>	<b>7-5/8R</b>	<b>SM2537</b>	<b>0</b>			<b>SM2537</b>					
	<b>2</b>	<b>Near Bit Stab.</b>			<b>RIG</b>	<b>16</b>	<b>1</b>	<b>16</b>	<b>3</b>	<b>8.8</b>	<b>7-5/8R</b>	<b>7-5/8R</b>	<b>0</b>			<b>528.4.3.266</b>					
	<b>3</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>30.77</b>	<b>7-5/8R</b>	<b>7-5/8R</b>	<b>0</b>			<b>2022127226</b>					
	<b>4</b>	<b>Roller Reamer</b>			<b>RIG</b>	<b>16</b>	<b>1</b>	<b>16</b>	<b>3</b>	<b>8.06</b>	<b>7-5/8R</b>	<b>7-5/8R</b>	<b>0</b>			<b>528.4.3.196</b>					
	<b>5</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>30.63</b>	<b>7-5/8R</b>	<b>7-5/8R</b>	<b>0</b>			<b>180243HY</b>					
	<b>6</b>	<b>Roller Reamer</b>			<b>RIG</b>	<b>16</b>	<b>1</b>	<b>16</b>	<b>3</b>	<b>9.07</b>	<b>7-5/8R</b>	<b>7-5/8R</b>	<b>0</b>			<b>528.4.3.192</b>					
	<b>7</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>9.5</b>	<b>9</b>	<b>9.5</b>	<b>3</b>	<b>277.5</b>	<b>7-5/8R</b>	<b>7-5/8R</b>	<b>0</b>								
	<b>8</b>	<b>Hydraulic Jar</b>			<b>OJR</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>33.37</b>	<b>7-5/8R</b>	<b>7-5/8R</b>	<b>0</b>			<b>HMJ950-0012</b>					
	<b>9</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>9.5</b>	<b>3</b>	<b>9.5</b>	<b>3</b>	<b>90.91</b>	<b>7-5/8R</b>	<b>7-5/8R</b>	<b>0</b>								
	<b>10</b>	<b>Crossover</b>			<b>RIG</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>2.27</b>	<b>6-5/8R</b>	<b>7-5/8R</b>	<b>0</b>			<b>3333</b>					
	<b>11</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>8.5</b>	<b>6</b>	<b>8.5</b>	<b>2.813</b>	<b>185.28</b>	<b>6-5/8R</b>	<b>6-5/8R</b>	<b>0</b>								
	<b>12</b>	<b>Crossover</b>			<b>RIG</b>	<b>8.5</b>	<b>1</b>	<b>8.5</b>	<b>3</b>	<b>3.63</b>	<b>6-5/8FH</b>	<b>6-5/8R</b>	<b>0</b>			<b>22000636</b>					
	<b>13</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>6.625</b>	<b>6</b>	<b>6.625</b>	<b>4.5</b>	<b>183.95</b>	<b>6-5/8FH</b>	<b>6-5/8FH</b>	<b>0</b>								
	<b>14</b>	<b>Crossover</b>			<b>RIG</b>	<b>6.625</b>	<b>1</b>	<b>6.625</b>	<b>3</b>	<b>3.6</b>	<b>XT54</b>	<b>6-5/8FH</b>	<b>0</b>			<b>HH-B67470</b>					
	<b>15</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>5.5</b>	<b>9</b>	<b>5.5</b>	<b>3.25</b>	<b>262.33</b>	<b>XT54</b>	<b>XT54</b>	<b>0</b>								
	<b>16</b>	<b>Drillpipe</b>			<b>RIG</b>	<b>5.5</b>	<b>1</b>	<b>5.5</b>	<b>4.67</b>	<b>30</b>	<b>XT54</b>	<b>XT54</b>	<b>0</b>								
Miscellaneous	BOP Test <b>02/25/2023</b>	BOP Drills		Wind	Sea	Weather		DSLTA	Safety Meeting												
	Real-Time Data Quality		Sensors Quality			100%	Data Frequency		100%	Real-Time Hrs		<b>10.99/24 hrs</b>									
Personnel and Services Information	COMPANY		SBT	SCC	RIG	EMC	RIG	ARM	ARM	PW	Total <b>77</b>										
	CATEGORY		BITS	CTR G	RIG	DFMS	OTHR	OTHR	WSC	ISPCT											
	NO. OF PERSONS		<b>1</b>	<b>13</b>	<b>38</b>	<b>1</b>	<b>15</b>	<b>2</b>	<b>2</b>	<b>5</b>											
	OPERATING HRS.		<b>24</b>	<b>0</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>24</b>	<b>12</b>											
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>											
Trucks/Boats	Standby/Tankers <b>AB-7364 ARAMCO VEHICLE</b>		<b>3 X TRIPOD SILO SLB</b>																		
BULK	Drill Wtr.-BBLS <b>0</b>	Pot Wtr.- BBLS <b>200</b>		Fuel- BBLS <b>521</b>		Barite- SX <b>186</b>		Bentonite - SX <b>99</b>		Cement G- SX <b>3600</b>											
REPAIR ASAP	Instrumentation		Other		Computer, Communication & V-Sat Issues										Reporter						

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ZULF-1386 (SFNY RESIVIOR)</b> Charge #: (66- 22062- 1386) Wellbores: (0) ZULF_1386_0	Rig <b>ADC-17</b>	Foreman(s) <b>TAYLOR, MATTHEW PRESTON</b> Engineer <b>ALKUHAILI, AHMED ABDULAZIZ/ ALYANI, ABDULAZIZ MOHAMMED/ DAHMOUSH, ABDULLATEEF AHMAD</b> Superintendent	THURAYA 0088-216-777-11092 378-6505	RIG FORMAN VSAT	OTHER VSAT 013-829-7717 (OIM) 013-829-7718 (RADIO ROOM)	OTHER VSAT 378-6507 (CLERK)	CONTRACTOR/CLERK VSAT
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Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>6775</b>	<b>PT BOP, P/U CO ASSEMBLY, RIH, P/U 5" DP, CO DV TOOL, PT CSG, RIH, WASH DOWN</b>	<b>CO SHOE TRCK, CHC, DISPLACE HOLE, POH, P/U RSS ASSEMBLY, RIH</b>	<b>ZULF-1380/1389</b>	<b>33.5 (02/26/2023@1015)</b>	
Prev. Depth <b>6775</b>	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ % <b>9 5/8 67725544 0 100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations					
									Start	End	Start	End						
01.8	0500 - 0645	0		N	BOP	BOPT	BOP	RIG	6775	6775			<b>PRESSURE TEST 13-5/8" 5K BOP AND RELATED EQUIPMENT AS PER ARAMCO STANDARDS.</b>					
01.0	0645 - 0745	0		N	BOP	OTH	BOP	RIG	6775	6775			<b>L/D 11" FMC TEST PLUG ASSY, M/U &amp; RIH CUP TESTER ASSY</b>					
01.2	0745 - 0900	0		N	BOP	BOPT	BOP	RIG	6775	6775			<b>PRESSURE TEST ANNULAR, E-KILL LINE MANUAL &amp; HCR VALVES &amp; WELLHEAD AS PER ARAMCO STANDARD</b>					
00.5	0900 - 0930	0		N	BOP	BOPT	RBOP	RIG	6775	6775			<b>PERFORM ACCUMULATOR DRAWDOWN TEST</b>					
00.8	0930 - 1015	0		N	BOP	OTH	BOP	RIG	6775	6775			<b>L/D CUP TEST ASSEMBLY</b>					
00.0	1015 - 1015	0		S	OT	COMM	NA	RIG	6775	6775			<b>COMMENCE OPERATIONS ON ZULF-1386 8-1/2" SECTION</b>					
01.5	1015 - 1145	0	12 1/4	N	DRLG	RR	DWKS	RIG	6775	6775			<b>SLIP AND CUT DRILLING LINE.</b>					
01.2	1145 - 1200	0	12 1/4	N	DRLG	HT	BHA	RIG	6775	6775			<b>P/U C/O ASSEMBLY WITH 8-1/2" USED TRICONE BIT, RIH T/ 109'</b>					
01.0	1300 - 1400	0	12 1/4	N	DRLG	TI	SPHDP	RIG	6775	6775	109	289	<b>RIH W/ 8-1/2" CLEAN OUT ASSEMBLY ON 5" HWDP &amp; JAR F/ 109' T/ 289'.</b>					
03.5	1400 - 1730	0	12 1/4	N	DRLG	LDP	STRG	RIG	6775	6775	289	2453	<b>PICK UP 63 JOINTS X 5" DP W/ 8-1/2" CLEAN OUT ASSEMBLY F/ 289' T/ 2453'</b>					
00.2	1730 - 1745	0	12 1/4	N	DRLG	HT	STRG	RIG	6775	6775			<b>CHANGE ELEVATOR TO 4" DP</b>					
01.0	1745 - 1845	0	12 1/4	N	DRLG	TI	STDP	RIG	6775	6775	2453	3720	<b>RIH W/ 8-1/2" CLEAN OUT ASSEMBLY ON 4" DP F/ 2453' T/ 3720'</b>					
01.8	1845 - 2030	0	12 1/4	N	DRLG	TI	STDP	RIG	6775	6775	3720	4440	<b>RIH W/ 8-1/2" CLEAN OUT ASSEMBLY ON 4" DP F/ 3720' T/ 4440'. (RUN SLOWLY DUE TO HIGH WIND)</b>					
00.2	2030 - 2045	0	12 1/4	N	DRLG	HT	PEL	RIG	6775	6775			<b>CHANGE ELEVATOR TO 5" DP</b>					
01.0	2045 - 2145	0	12 1/4	N	DRLG	DC	TDS	RIG	6775	6775	4450	4622	<b>CLEAN OUT CEMENT F/ 4450' TO TOP OF DV PLUG 4622'</b>					
00.5	2145 - 2215	0	12 1/4	N	DRLG	CIRC	MPMP	RIG	6775	6775			<b>CIRCULATE AND CONDITION MUD,</b>					
00.2	2215 - 2230	0	12 1/4	N	DRLG	PTST	MPMP	RIG	6775	6775			<b>PRESSURE TEST 9-5/8" CSG TO 800 PSI - GOOD TEST</b>					
03.8	2230 - 0215	0	12 1/4	N	DRLG	DFS	TDS	RIG	6775	6775	4622	4630	<b>DRILL DV TOOL 4622', PASS BIT THROUGH DV SEVERAL TIMES, PASS WITHOUT CIRCULATION &amp; ROTATION,</b>					
00.2	0215 - 0230	0	12 1/4	N	DRLG	PTST	MPMP	RIG	6775	6775			<b>PRESSURE TEST 9-5/8" CSG BELOW DV TO 800 PSI - GOOD TEST</b>					
00.5	0230 - 0300	0	12 1/4	N	DRLG	TI	STDP	RIG	6775	6775	4626	5606	<b>RIH W/ 8-1/2" CLEAN OUT ASSEMBLY ON 5" DP F/ 4626' T/ 5606'- ENCOUNTER HIGH DRAG</b>					
02.0	0300 - 0500	0	12 1/4	N	DRLG	RW	BIT	RIG	6775	6775	5606	6450	<b>REAM AND WASH DOWN W/ 8-1/2" CLEAN OUT ASSEMBLY</b>					

ZULF-1386 WILL BE DRILLED AS A SINGLE LATERAL HORIZONTAL OIL PRODUCER TARGETING SFNY RESERVOIR TO A TOTAL DEPTH OF +/- 9,801 FT MD WITH +/-3,000 FT OF RESERVOIR CONTACT.

=====PLATFROM STATUS=====

ZULF-1380 TIEBACK (FINISHED), PERFORATION AND COMPLETION (TO BE DONE LAST WELL).

ZULF-1385 22", 16" 12.25", 8.5", EOW (FINISHED) - READY TO FLOWBACK BY BARGE.

ZULF-1387 22", 16" 12.25", 8.5", EOW (FINISHED) - READY TO FLOWBACK BY BARGE.

ZULF-1389 22", 16" 12.25", 8.5", EOW (FINISHED) - READY TO FLOWBACK BY BARGE.

ZULF-1388 22", 16" 12.25" 8.5", EOW (FINISHED) - READY TO FLOWBACK BY BARGE.

ZULF-1386 22", 16" 12.25", 8.5 (CURRENT WELL)" & EOW (NEXT WELL).

=====LEGS PENETRATION=====

\* FINAL LEG PENETRATION: STBD 14.2' BOW 13.7' PORT 14.2'

=====CURRENT LOCATION=====

\*ZULF-1380/1389

LATITUDE: 28 DEG 22.60 N

LONGITUDE: 49 DEG 19.66 E

WATER DEPTH = 134 FT

RKB TO MSL = 96 FT

RKB TO ML = 230 FT

RKB TO PLATFORM = 59.68 FT

AIR GAP = 47 FT

HEADING = 331 DEG

NEAREST GOSP: GOSP-4 (2 NM NNW OF ADC-17)

===== RENTAL TOOLS =====

\* COUGAR 6.75" DRILLING JAR S/N: DJ6-650-194 RECEIVED ON 09-JAN-2023.

\* COUGAR 4.75" DRILLING JAR S/N: DJ6-500-447 RECEIVED ON 28-JAN-2023.

\* NOV 6-1/8" DOGLEG REAMER RECEIVED ON 30-JAN-2023.

=====H.S.E.=====

31-JAN-23 ACCUMULATOR DRILL

8-FEB-23 ABONDON SHIP DRILL /H2S RESCUE /MAN DOWN INJURY / H2S RELEASE /FIRE DRILL

23-NOV-22 RESCUE BOAT /LIFEBOAT

23-NOV-22 MAN OVERBOARD

05-JAN-23 CONFINED SPACE DRILL

04-DEC-22 OIL SPILL DRILL

09-JUN-22 VERTICAL RESCUE DRILL /ANNUAL EMERGENCY DRILL

ANNUAL EMERGENCY DRILL

8-FEB23 HELI CRASH

=====

\*\* CONDUCTED DRILLS: 1 X PIT DRILL, 1 X TRIP DRILL.

\*\* LC-50 (OBM) SAMPLE: ZULF 1388 4 DEC 2022 MANF #2400593707 MARSOL SCAMANDER.

DISCUSSED: HSE ALERT 16-23; HSE ALERT 17-23; HSE ALERT 18-23

=====PERSONNEL=====

\* MATERIAL CONTROL MAN MOHAMMED ALMUTAIRI #8404151 ON RIG SINCE 15 FEB 23.

=====WAIT ON=====

\* WAIT ON WEATHER: TODAY 0 HRS, TOTAL 117.75 HRS

\* WAIT ON PRODUCING: TODAY 0 HRS, TOTAL 0 HRS

\* WAIT ON MARINE: TODAY 0 HRS, TOTAL 0 HRS

\* WAIT ON TOOL HOUSE: TODAY 0 HRS, TOTAL 0 HRS

=====NEXT PLATFORM SFNY 646/655=====

\* RM MEETING ZULF TO SEA: RM-2023-4008312 23 JAN 09:00

\* RM MEETING SEA TO SFNY: RM-2023-4008313 23 JAN 09:00

\* PERFORM PLATFROM VISIT ON 01/08/2023 AND FILL MOVE-IN CHECKLIST.

Remarks

Lateral	Survey MD			Angle	Azimuth		CLength		TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS													
MUD DATA	Weight 85 PCF	Funnel Vis. 67 SEC	Filtrate(WL) 1.2 HTHP	Filtrate (WL) API	PV 26	YP 22	Electrical Stability 310 Volts			3/6 RPM 9 / 10	Gels Sec/Min 10 / 16	PH 0	CA PPM 0	CL PPM 247294																
	FL Temp 0	Cake HTHP	Cake API	Water Vol. %	Oil Vol. % 51.5	Solids Vol. % 27	Sand Vol. % 0			% LGS 2.72	MBT 0	Mud type INOVERT		Water Well #																
	Weight 85 PCF	Funnel Vis. 65 SEC	Filtrate(WL) 1.4 HTHP	Filtrate (WL) API	PV 26	YP 21	Electrical Stability 345 Volts			3/6 RPM 9 / 10	Gels Sec/Min 10 / 15	PH 0	CA PPM 0	CL PPM 247294																
	FL Temp 0	Cake HTHP	Cake API	Water Vol. %	Oil Vol. % 51.5	Solids Vol. % 27	Sand Vol. % 0			% LGS 2.72	MBT 0	Mud type INOVERT		Water Well #																
MUD TREATMENT																														
BIT DATA	Bit Number 7RR	IADC 216	Size 8.5	Manufacturer SEC	Serial Number 837579	Type QH4S	Jets I	TFA 6772	MD In 6772	MD Out	TVD Out																			
	Feet 0	Hours 45		WOB 1735	RPM 425	I-Row 1735	O-Row 425	DC 220.46	Loc 347.23	B/G 0	Pressure 0	GPM 1735	Jet Vel 425	DP Av 220.46	DC Av 347.23	Bit HHP 0														
DRILL STRING	Float Y																													
	BHA Hrs: 6																													
	String Wt. 164	Pick Up 166	Slack Off 160			Rot. Torque 2000			Jars: Serial #/Hrs			/	89	Shock Sub:	/	Mud Motor: / /														
	Order 1	Component Bit			Provider SEC	Nominal Size 8.5	# Joints 1	OD Size 8.5	ID Size 0	Length 0.81	Top Thread 4-1/2" REG	Bottom Thread	Weight 0	Grade 837579	Class	Serial #														
	2	Near Bit Roller Reamer			RIG	8.5	1	8.5	2.25	7.57	4" IF	4-1/2" REG	0			528.4.7.286														
	3	Drillcollar			RIG	6.5	1	6.5	2.25	30.68	4" IF	4" IF	0			6008														
	4	Roller Reamer			RIG	8.5	1	8.5	2.25	7.21	4" IF	4" IF	0			528.4.7.273														
	5	Drillcollar			RIG	6.5	2	6.5	2.25	60.77	4" IF	4" IF	0			RIGBOOK														
	6	Crossover			RIG	6.25	1	6.56	2.93	2.12	4-1/2" IF	4" IF	0			17250														
	7	Heavy Weight Drillpipe (HWDP)			RIG	5	2	5	3	61.37	4-1/2" IF	4-1/2" IF	0			RIGBOOK														
Miscellaneous	8	Hydraulic Jar			CTC	6.75	1	6.75	2.75	30.91	4-1/2" IF	4-1/2" IF	0			DJ6.650.194														
	9	Heavy Weight Drillpipe (HWDP)			RIG	5	33	5	3	994.52	4-1/2" IF	4-1/2" IF	0			RIGBOOK														
	10	Drillpipe			RIG	5	1	5	3	1	4-1/2" IF	4-1/2" IF	0			RIGBOOK														
	BOP Test 02/26/2023		BOP Drills PER TOUR		Wind 12-14 KTS		Sea 1-2 FT		Weather SEASONAL		DSLTA 5463		Safety Meeting TOURLY																	
Real-Time Data Quality																														
Personnel and Services Information	No Transmission																													
	COMPANY		SCB	OCS	SWK	HCO	SPS	RIG	BAR	EMC	ARM	HCM	HSL	MI2	SCP	ARM														
	CATEGORY		BRCR	CSR	CTRG	PSSC	DPDS	RIG	DFMS	DFMS	OTHR	PCS	SLS	SCS	SSSV	WSC	Total 86													
	NO. OF PERSONS		1	2	15	1	4	53	1	1	1	3	1	1	1															
	OPERATING HRS.		0	0	0	0	0	24	12	12	12	0	0	0	24															
ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24	24	24															
Trucks/Boats	Standby/Tankers RAWABI-9																													
BULK	Drill Wtr.-BBLS 249	Pot Wtr.- BBLS 1363	Fuel- BBLS 1333	Barite- SX 260	Bentonite - SX 1489	Cement G- SX 1489																								
REPAIR ASAP	Instrumentation Computer, Communication & V-Sat Issues																													
		Reporter																												

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D&WO Morning Report (Service Providers View)  
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Daily Onshore  
(0500-0500) Saudi Aramco

Date <b>MONDAY</b> <b>02/27/2023</b>	Well No (Type) : <b>HRML-105</b> <b>(WORK OVER</b> <b>REPAIR HIGH CCA</b> <b>PRESSURE AT 13-</b> <b>3/8" X 9-5/8"</b> <b>ANNULAS)</b>	Rig <b>ADC-21</b>	Foreman(s) <b>HANNA, MURRAY ROBERT/ FRIEDRICHIS III,</b> <b>ANDREW VALLOIS/ BERGSMA, LYNDON WAYNE/</b>		
	Engineer Superintendent		<b>UD DIN, GHIAS NIZAM/</b> <b>BATYOUR, ABDULAZIZ MOHAMMED</b>		
		THURAYA <b>+88216-777-12136</b>	RIG FORMAN VSAT <b>0135784395</b>	FAX VSAT <b>0135784265</b>	CONTRACTOR/CLERK VSAT <b>0135784215</b>
	Charge (82- 23085- #: 4217)				
	Wellbores: (0) HRML_105_0				

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>19155</b>	<b>MOVE RIG FROM MHWZ-991100 TO HRML-105, RIG UP</b>	<b>MOVE RIG FROM MHWZ-991100 TO HRML-105, RIG UP</b>	<b>HRML-905</b>	<b>0.0 (@)</b>	
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %
<b>19155</b>	<b>7</b>	<b>12899</b>	<b>15811</b>		<b>4 1/2 1932315223 0</b>

**Summary of Operations**

Hrs	(From - To)	Laterai	Hole Size	Cat.	Major OP	Action	Object	Resp. Co			Summary of Operations			
									Start	End	Start	End		
24.0	0500 - 0500	0		M	RM	RM	NA	RIG	5792	5792				HPJSM RELATED TO GENERAL RIG DOWN & RIG MOVE.  *REPAIRS ON MAIN CAMP AFTER MOVING. *CONTINUE R/U MUD TANKS & MIXING HOPPER SKID. *CONTINUE INSTALLING MIXING HOPPER ON CMT TANK *INSTAL CMT TAN SUPER SACK SKID *LOAD & MOVE DRAW WORKS *LOAD MAST, SUB BASE, 5 ENGINE, PCR & TOP DRIVE MONORAIL READY TO HAUL TO NEW LOCATION.  *TODAY LOADS MOVED = 13 *TOTAL LOADS MOVED = 102 LOADS  *OBSERVED CCA CASING SPOOL & EAST CCA VALVE LEAKING CONDENSATE. *CCA AT 0 PSI *TCA AT 1000 PSI * MONITORING FOR GASES WITH AL-MANSOORI  RIG MOVE DETAILS: RIG DOWN: 100% RIG UP: 25%, RIG MOVE: 60%

**HRML-105 IS A WORK OVER TO REPAIR HIGH CCA PRESSURE COMMUNICATION AT 13-3/8" X 9-5/8" ANNULUS. WITH OBJECTIVE TO DE-COMPLETE THE  
UPPER COMPLETION, LOCATE THE LEAK AND REPAIR THE CCA COMMUNICATION, RUN AND CEMENT 7" SCAB LINER TO COVER THE MILLED PORTION  
IN 9 5/8" CASING, RE-COMPLETE THE WELL WITH UPPER COMPLETION STRING 4 1/2"-15.1 PPF-VM-125 HC, VAMTOP-HC.**

## RIG LOCATION DIRECTIONS & JOURNEY MANAGEMENT:

DIRECTIONS TO HRML-105 OFF THE DAHHRAN HWY TURN LEFT ONTO HWY 6482 TOWARDS FADHALIAH 45KM TO SKID ROAD TURN RIGHT AND FOLLOW SIGN BOARDS 13KM FOLLOWING TO LOCATION. CALL ADC-21 MEDIC AT 013-880-7192 OR ARAMCO RIG CLERK AT 013-578-4215 PRIOR TO IF NEEDED PROVIDE NAME OF COMPANY, NUMBER OF PERSONNEL, COLOR OF VEHICLE AND EMERGENCY CONTACT NUMBER OF BASE PERSONNEL. HAVE SUFFICIENT WATER AND SNACKS ONBOARD. NIGHT DRIVING BY 3RD PARTY PERSONNEL IS NOT RECOMMENDED.

DAILY SAFETY DATA:

\*\*ISA REVISED: 0, ISA REVIEWED: 0, RTW: 0, LOTO: 0

\*\*JSA REVISED: 0, JSA REVIEWED: 8, PTW: 8, LOTO: 0  
\*\*SAFETY ACT: 0, UNSAFE ACT: 0, SAFETY CONDITION: 0, UNSAFE CONDITION: 0, TOTAL: 200, 00

\*\*SAFE ACT: 8, UN  
\*\*NEAR MISS: N/A

## **\*\*NEAR MISS: \*\*DBHLL S. N/A**

**\*\*DRILLS: N/A**

**\*\*IN-HOUSE AUDIT 52 ITEMS: 6 OPEN & 46 CLOSED**

**\*\*WC AUDIT 21 ITEMS: 01 OPEN 20 CLOSED.**

**\*\*CAT III INSPECTION**

ARAMCO PERSONNEL:

\*ARAMCO CLERK: S. SYED KADAR, BADGE #8544203 ARRIVED ON LOCATION 02/01/2022.

\*ARAMCO CLERK: MOHAMMED ALABD. BADGE #8506107 ON LOCATION 02/12/2023

**\*IBRAHIM N. ALDOSSARY #782613 URDD FCT ON LOCATION 2/24/23.**

**GENERAL TOOLS**

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#### WELL SITE RENTAL EQUIPMENT:

**AL SOLAMI WATER TRUCK - ON LOCATION - 11/12/22 - / PLATE - Z310 UDA DOOR - 1129 BADGE #2467538399 - 2 LOAD**

**30" CASING: SET @ 820'**

24" CASING: SET @ 3,514'  
 18-5/8" CASING: SET @ 5,310'  
 13-3/8" CASING: SET @ 11,300'  
 9-5/8" CASING: SET @ 13,430'  
 7" LINER: SET @ 15,808'  
 4 -1/2" COMPLETION @ 19,323'

WELL TD @ 19,330' MD 15,223' TVD

**LITHOLOGY**

MAX GAS: N/A

Avg Gas: N/A

TRIP GAS: N/A

NEXT WELL: ESTIMATED START DATE OF WORK OVER ON HRML-105 - 03/07/2023

WATER WELL - HRML-818 & HRML-819

**EXTRA EQUIPMENT AT LOCATION:**

\*LOADER - 2 EA.

\*CRANE - 4 EA.

\*3RD PARTY (RIGGER1) 2 EA.

\*CHERRY PICKER 1 EA.

\*WINCH TRUCK 3 EA.

\*TRUCK PUSHER 4 EA.

\*LOW BED TRUCK 15 EA.

\*FLATBED TRUCK 18 EA.

\*LOADS TODAY-13

\*TOTAL LOADS-102

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
<b>MUD DATA</b>									
MUD TREATMENT									
<b>BIT DATA</b>									
DRILL STRING									
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #									
Miscellaneous									
BOP Test		BOP Drills		Wind	Sea	Weather	DSLTA <b>4386</b>	Safety Meeting	
Real-Time Data Quality							<b>No Transmission</b>		
Personnel and Services Information	COMPANY	SUW	RIG	RIG	ARM	OTH	ARM		
	CATEGORY	CTRG	RIG	OTHR	OTHR	VAC	WSC		
	NO. OF PERSONS	<b>14</b>	<b>49</b>	<b>55</b>	<b>2</b>	<b>2</b>	<b>3</b>		
	OPERATING HRS.	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>		
	ON LOCATION HRS.	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>		
									Total <b>125</b>
Trucks/Boats	Standby/Tankers								
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX			
REPAIR ASAP	Instrumentation	Other							
	Computer, Communication & V-Sat Issues								Reporter

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D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>AMAD-8 (EVALUATE THE HYDROCARBON POTENTIAL OF MISHRIF-C, BUWAIB, JILH DOLOMITE AND KHUFF RESERVOIRS.)</b> Charge #: <b>(75- 20090- 0008)</b> Wellbores: (0) AMAD_8_0	Rig <b>ADC-23</b>	Foreman(s) Engineer Superintendent <b>CROWLEY, DAVID/ GARCIA VILLALOBOS, JAIRO ENRIQUE/ BU RUSHAD, IBRAHIM MOHAMMED</b>	
		<b>THURAYA</b>	<b>RIG FORMAN VSAT 577-6124</b>	<b>CONTRACTOR/CLERK VSAT 577-6164/577-6168</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>10240</b>	<b>WIRE LINE RUN #3 PRESSURE POINTS ON WIRE LINE(74 PRESSURE POINTS)</b>	<b>WIRE LINE RUN #3 PRESSURE POINTS ON WIRE LINE.(33 PRESSURE POINTS REMAINING)</b>	<b>410 KM F/ DMG TO BATHA, GO 153 KM F/ BATHA ON SHAYBAH HWY, TURN RIGHT &amp; GO 56 KM ON SKID ROAD.</b>	<b>37.2</b> (01/20/2023@2200)	<b>TWYL 6090 NOT IN PROG MSRF 6250 30' SHALLOW RUML 6670 50' SHALLOW AHMD 7010 40' SHALLOW MDDD 7230 47' SHALLOW SFNY 7380 47' SHALLOW KHFJ 7640 15' SHALLOW SHUB 8240 27' SHALLOW BYDH 8630 27' SHALLOW BUWB 9460 3' DEEP BWBR 9606 31' SHALLOW URTR 9940 25' SHALLOW SULY 10220 131' SHALLOW.</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>10240</b>					<b>18 5/8</b>	<b>6110</b>	<b>6110</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
24.0	0500 - 0500	0	16	E	LOG	LOG	WLT	SWL	10240	10240	10212	0	<b>WIRE LINE RUN#3 MDT (PRESSURE POINTS ON WIRE LINE.) CONTINUED TAKING POINTS FROM BOTTOM TO TOP.</b>  <b>*41 OUT OF 74 PRESSURE POINTS ATTEMPTED. *28 VALID, 6 TIGHT, 7 NO SEAL. MIN OB: 365 PSI, MAX OB: 632 PSI. *OPEN HOLE IN GOOD COND NO OVERPULL ENCOUNTERED. *42 HOURS SINCE LAST CIRCULATION.</b>			

THE PLAN IS TO DRILL AMAD-8 AS A VERTICAL WELL TARGETING MISHRIF-C, BUWAIB, JILH DOLOMITE AND KHUFF RESERVOIRS AS PRIMARY OBJECTIVES & CHRYSALIDINA, UPPER RATAWI, SULAIY, HANIFA, HADRIYA, AND MINJUR RESERVOIRS AS SECONDARY OBJECTIVES. THE PLANNED TOTAL DEPTH OF THE WELL WILL BE 18,321' MD/TVD (-18,030' TVDSS) OR +/- 200 FT INTO KHUFF-D ANHYDRITE.

===== ARAMCO POB & VISITORS =====

- SHAIKH MOHAMMED T RIG CLERK BADGE # 8239945 ON LOCATION.
- ARAMCO GEOLOGISTS: IBRAHIM KHARDAWI #270999, MUHANNED ALJARODI #756725 ON LOCATION

===== PLANNED VS ACTUAL CASING DEPTHS =====

- 30" CONDUCTOR: 185 FT
- 24" CASING: 1,510 FT. 50 FT IN RUS FORM.
- 18 5/8" CASING: 6,120 FT. 150 FT IN RUWAYDHA.
- 13-3/8" CASING: 10,240 FT. 20 FT INTO SULAY FORMATION.
- 9-5/8" CASING: 14,983 FT. 50 FT INTO JILH.
- 7" LINER: 16,865 FT. 20 FT INTO KHUFF.
- 4-1/2" LINER: 18,321 FT, TD @ 200 FT INTO KHUFF-D ANHYDRITE.

===== SAFETY, DRILLS, INCD & ALERTS =====

SAFETY:

DRILLS:

===== LITHOLOGY =====

INTERVAL: (10200-10240FT) 40-80% LIMESTONE. TR-40% ANHYDRITE. TR-20% DOLOMITE.

===== AUDITS =====

NO OPEN AUDIT ITEMS.

===== DIESEL CONSUMPTION =====

DIESEL ENGINE MONTHLY CONSUMPTION (RIG+CAMP): DAILY 53 BBL / MONTHLY 2126BBL

GATE MAN INFORMATION: ALI HASSAN AL ABAD, SAUDI NATIONAL ID: 1085291795 & - ABDULLAH JABER, SAUDI NATIONAL ID: 1091630648

=====

NEXT WELL: MHRD-3.

WATER WELL: AMAD-814

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate		Vertical Sec	DLS		
	Weight <b>77 PCF</b>	Funnel Vis. <b>68 SEC</b>	Filtrate(WL) <b>1.8 HTHP</b>	Filtrate (WL) API	PV <b>25</b>	YP <b>26</b>	Electrical Stability <b>588 Volts</b>	3/6 RPM <b>12 / 14</b>	Gels Sec/Min <b>14 / 18</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>

MUD DATA	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #											
	<b>0</b>	<b>1</b>	<b>0</b>	<b>25.3</b>	<b>61.6</b>	<b>13.1</b>	<b>0</b>	<b>3.7</b>	<b>0</b>	<b>INOVRT</b>	<b>AMAD-814</b>											
	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM											
	77 PCF	67 SEC	1.8 HTHP	API	25	27	592 Volts	12 / 14	14 / 17	0	0											
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #											
	<b>0</b>	<b>1</b>	<b>0</b>	<b>25.4</b>	<b>61.6</b>	<b>13</b>	<b>0</b>	<b>3.5</b>	<b>0</b>	<b>INOVRT</b>	<b>AMAD-814</b>											
MUD TREATMENT	<b>RHEMODL</b> <b>3(55GL)</b>																					
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out											
	<b>5RR</b>	<b>M423</b>	<b>16</b>	<b>ULTR</b>	<b>60195</b>	<b>CF716 / 10 X 10 / 0.767</b>	<b>10240</b>	<b>10240</b>														
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure											
					<b>1</b>	<b>1</b>	<b>WT</b>	<b>A</b>	<b>X</b>	<b>0</b>	<b>850</b>	<b>356</b>	<b>92.29</b>	<b>113.38</b>	<b>562</b>							
DRILL STRING	Float	<b>Y</b>																				
	BHA Hrs:		<b>174</b>																			
	String Wt.	Pick Up	Slack Off	Rot. Torque			Jars:	<b>174</b>		Shock	/	Mud	/									
	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #								
Miscellaneous	BOP Test		BOP Drills			Wind		Sea	Weather		DSLTA	Safety Meeting										
	<b>02/10/2023</b>		<b>2</b>						<b>4956</b>		<b>TOURLY</b>											
	Real-Time Data Quality			Sensors Quality			<b>89%</b>	Data Frequency			<b>100%</b>	Real-Time Hrs			<b>11.47/24 hrs</b>							
Personnel and Services Information	COMPANY		<b>WCR</b>	<b>SCC</b>	<b>WDV</b>	<b>RIG</b>	<b>BAR</b>	<b>EMC</b>	<b>MJH</b>	<b>SWL</b>	<b>XLG</b>	<b>RIG</b>	<b>ARM</b>	<b>SCM</b>	<b>MI2</b>	<b>OTH</b>	<b>ARM</b>	Total 108				
	CATEGORY		<b>CSR</b>	<b>CTRG</b>	<b>DV</b>	<b>RIG</b>	<b>DFMS</b>	<b>DFMS</b>	<b>SEC</b>	<b>LPS</b>	<b>MLS</b>	<b>OTHR</b>	<b>OTHR</b>	<b>PCS</b>	<b>SCS</b>	<b>VAC</b>	<b>WSC</b>					
	NO. OF PERSONS		<b>6</b>	<b>14</b>	<b>1</b>	<b>44</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>7</b>	<b>7</b>	<b>11</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>2</b>					
	OPERATING HRS.		<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>					
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>					
Trucks/Boats	Standby/Tankers																					
	<b>AB7347</b>																					
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX																
	<b>1000</b>	<b>1000</b>	<b>700</b>	<b>342</b>	<b>88</b>	<b>7830</b>																
REPAIR ASAP	Instrumentation		Other										Reporter									
	Computer, Communication & V-Sat Issues																					

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D&WO Morning Report (Service Providers View)  
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Daily Onshore  
(0500-0500) Saudi Aramco

Date <b>MONDAY</b> 02/27/2023	Well No (Type) : <b>NNYM-117</b> <b>SIDETRACK &amp; DRILL</b> <b>DUAL LATERAL</b> <b>ACROSS UNZA)</b> Charge #: <b>(71- 22068-0117)</b>	Rig <b>ADC-29</b>	Foreman(s) <b>BOUCENNA, IBRAHIM/ SINDI, BADR FOUAD/ GRATIA, PAOLO ILHAM/ LAHLAH, AZZEDINE</b> Engineer Superintendent						
Wellbore(s): <b>(0- NYNM 117 3</b>	THURAYA <b>008821677711410</b>	RIG FORMAN VSAT <b>574-6057</b>	OTHER VSAT <b>574-6093 (PDP)</b>	OTHER VSAT <b>880-6774 (ADC-TP)</b>	FAX VSAT <b>880-6777</b>	CONTRACTOR/CLERK VSAT <b>574-6019 (ARAMCO CLERK)</b>			

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops						
12480	<b>DEMOBILIZATION OF ADC-29 TO ADC YARD.</b>	<b>DEMOBILIZATION OF ADC-29 TO ADC YARD.</b>	<b>671 KM FROM DHAHRAIN MAIN GATE.</b>	<b>37.7</b> (01/15/2023@1800)	<b>SUDR 6606 6606FT MD KHFF 7418 7441FT MD (1FT SHALLOWER) BKBR 7801 7892FT MD (5FT SHALLOWER) KFCR 8048 8240FT MD (7FT SHALLOWER) BKCR 8254 8558FT MD (13FT SHALLOWER) KFDA 8336 8693FT MD (15FT SHALLOWER) BKDC 8557 9123FT (14FT SHALLOWER) BKFC 8648 9372FT (11FT SHALLOWER) PKFU 8662 9421FT (16FT SHALLOWER) UZ01 8714 9703FT MD (8FT DEEPER) UZ02 8748 10197FT MD (3FT DEEPER)</b>						
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size						
12480	7	6726	9540	8689	9 5/8						
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations
00.5	0500 - 0530	0-3		N	SUSP	OTH	NA	RIG	12480	12480	HELD RIG MOVE SAFETY MEETING WITH RIG CREW, TRUCK PUSHERS, DRIVERS & DISCUSSED: POTENTIAL HAZARDS & CONCERNED SAFETY ISSUES DURING RD, LIFT AND TANDEM LIFT PLAN, WORK AT HEIGHT & USE THE CORRECT EQUIPMENT, WORK PERMIT FOR EACH HEAVY OR CRITICAL LIFTING, EMPHASIS ON USE STOP WORK AUTHORITY.
12.5	0530 - 1800	0-3		N	SUSP	OTH	NA	RIG	12480	12480	GENERAL RIG DOWN (DEMOBILIZATION) OPERATION ON NYYM-117: - GENERAL HOUSKEEPING. - GENERAL R/D. - R/D FLARE LINE. - GENERAL RIG CLEANING. - PREPARE EQUIPMENT TO MOVE TO ADC YARD.
11.0	1800 - 0500	0-3		N	SUSP	OTH	NA	RIG	12480	12480	SUSPENDED RIG MOVE OPERATIONS & WAIT FOR DAYLIGHT WHILE RIG CREW CONTINUED R/D RIG EQPT ON NYYM-117. - GENERAL HOUSEKEEPING. ----- RIG MOVE EQUIPMENTS & PERSONNEL: - 2 CRANES & 2 FORKLIFT. - 2 TRUCKS: (2 WINCH TRUCK). - 1 RIGGER I, 1 TRUCK-PUSHER ON LOCATION. - 1 AMBULANCE +1 MEDIC+1 HSE. - ALL MOVING CRANES, FORKLIFT AND OPERATORS ARE CERTIFIED. ----- - R/D ON NYYM-117 (DEMOBILIZATION): 73% - R/M TO ADC STACK YARD: 00 % - RIG MOVE DISTANCE: 671 KM. - DAYS SINCE RIG RELEASED = 7.5 DAYS.

**ODF CORRECTION (REVISED): +4.5 FT.**

**TRIPPING KPI: 1710 FT/HR VS NONE FT/HR TODAY.**

ERP:

- 1/2 LFL 110 M, RER 100 PPM @ 0 M, RER 30 PPM @ 0 M.
- GOR UNAIZA A RESERVOIR: 1,200 SCF/STB & H2S: 0.0 %.

HSE:

- SAFETY: PRE-TOUR SAFETY MEETINGS: (2), WEEKLY SAFETY MEETINGS: (0).
- PTW: (10), JSA: (10), NEAR MISS (0), INCIDENTS: (0), DRILLS: (0), STOP CARDS: (24), SAFETY OBSERVATIONS: (10).

POB-

\*\* ARAMCO MATERIAL EXPEDITOR TURKI ALENNAZI (ID #745403) ON LOCATION SINCE 02/14/2023.

**\*\* ARAMCO MATERIAL EXPEDITOR SAEED ALHAJRI (ID #8415522) ON LOCATION SINCE 02/26/2023.**

## AUDITS:

- DOECD 1ST RHSEI JUN 06, 2022: TOTAL ITEM (65): CLOSED (65), OPEN (0).
  - DOECD WCEI JUN 06, 2022: TOTAL ITEMS (13): CLOSE (13), OPEN (0).
  - Q3-2022 QSI (3MCI) AUG 1, 2022: TOTAL ITEM (35): CLOSED (34), OPEN (0).
  - Q4-2022 QSI (3MCI) OCT 18, 2022: TOTAL ITEM (40): CLOSED (40), OPEN (0).
  - DOECD 2ND RHSEI NOV 28, 2022: TOTAL ITEM (11): CLOSED (10), OPEN (0).

WATER DATA

- WATER SOURCE: NYYM-804.
  - DAILY WATER RECEIVED: 188 BBL.
  - DAILY WATER CONSUMED: 166 BBL.
  - TOTAL WATER IN MUD SYSTEM: 263 BBL.

#### - COMPLETION DIESEL IN BBI S:

- STOCK: 109 BBLs.
- CONSUMED: 0 BBLs.
- RECEIVED: 0 BBLS.

---

NEXT WELLS: DEMOBIL

## NEXT WELLS: DEMOBILIZATION.

**WELLSITE EQUIPMENT:**

- NONE.

**MUD INFORMATION:**

- NA

**LAST PPT TEST: 02/14/2023**

PPT SPURT/TOTAL: 20 MICRON: 0.6ML/20 MICRON: 2.2 ML

PPT SPURT/TOTAL: 60 MICRON: 1.0 ML/60 MICRON: 3.8 ML

PRESSURE: 2,500/TEMP: 250 F

WATER PHASE SALINITY: 306,880 MG/L

**LAST PSD TEST: 12,480 FT, 02/13/2023 DATE: 14:00 AM.**

-SIZE D10: ACTIVE MUD= 6.26 / UNDER SHAKER= 6.35.

-SIZE D50: ACTIVE MUD= 29.44 / UNDER SHAKER= 32.33

-SIZE D90: ACTIVE MUD= 90.95 / UNDER SHAKER= 101.35

**DIRECTIONAL PLAN: PLAN: NYYM-117\_0\_3\_REV-A.0 (PWP) DATED 12/15/2022.**

- WELLPATH OFF THE PLAN: (7.3' ABOVE, 69' LEFT).

- FOTAGE DRILL LAST 24 HRS: 1680 FT.

- SURVEY PROJECTION AT 12,480 MD: INC: 87.02 DEG, AZI: 2.8 DEG. TVD: 8867.68 FT

**WINDOW DATA:**

- TOW AT 6871'

- BOW AT 6884'

- RATHOLE TO 6891'

- WS SETTING DEPTH 6895'

**WELL CONTROL DATA**

- HOLE VOLUME WITHOUT STRING: 658 BBL

- TBG VOLUME: 65 BBLS.

- TCA ABOVE PKR: 430 BBLS.

- TCA BELOW PKR: 5.5BBLS.

- CASING BELOW EOT: 68.5BBLS.

- LOWER COMPLETION: 47BBLS.

**ARAMCO VEHICLE SERVICE DETAILS**

- ARAMCO CAR WITH NUMBER DH-5064 SERVICED ON 01/25/2023, NEXT SERVICE DUE 03/25/2023.

**Remarks**

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
MUD DATA									
MUD									
TREATMENT									
BIT DATA									
DRILL STRING									
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #									
Miscellaneous		BOP Test <b>01/31/2023</b>	BOP Drills	Wind <b>MEDIUM</b>	Sea <b>NA</b>	Weather <b>SEASONAL</b>	DSLTA <b>3916</b>	Safety Meeting <b>EACH TOUR</b>	
Real-Time Data Quality									
No Transmission									
Personnel and Services Information									
COMPANY		SCC	RIG	OES	ASH	RIG	ARM	ARM	
CATEGORY		CTR G	RIG	DFMS	FLD	OTHR	OTHR	WSC	
NO. OF PERSONS		15	37	1	2	25	2	2	
OPERATING HRS.		0	0	0	0	0	12	24	
ON LOCATION HRS.		24	24	24	24	24	24	24	
Total <b>84</b>									
Trucks/Boats									
Standby/Tankers <b>DH-5064</b> <b>2 RAW WATER TANKERS</b>									
BULK									
Drill Wtr.-BBLS		Pot Wtr.- BBLS <b>263</b>	Fuel- BBLS <b>19</b>	Barite- SX	Bentonite - SX	Cement G- SX <b>550</b>			
REPAIR ASAP									
Instrumentation									
Computer, Communication & V-Sat Issues									
NEED TO CHANGE VSAT ANTENNA IMMEDIATELY.									
Reporter									

D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ANDR-1011 (K-2 PRESET GAS STORAGE WELL TARGETING KHUFF-B RESERVOIR.)</b>	Rig <b>ADC-31</b>	Foreman(s) <b>MEZIANE, ABDELGHANI/ OLORUNTOBI, OLALERE SUNDAY/ GAHTANI, SAEED MUFARREH</b>	
Charge #: <b>(66- 22056- 1011)</b>	THURAYA <b>00882-16777-11441</b>	RIG FORMAN VSAT <b>572-2600</b>	OTHER VSAT <b>577-1163 SAFETY</b>	CONTRACTOR/CLERK VSAT <b>829-7631 CLINC</b>

Depth <b>0</b>	Last 24 hr operations <b>R/D ON ANDR-1016 &amp; R/M TO ANDR-1011</b>	Next 24 hr plan <b>R/D ON ANDR-1016 &amp; R/M TO 114 KM FROM DMG, 2 KM FROM ANDR-1011</b>	Location <b>AINDAR GOSP-4.</b>	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops
Prev. Depth <b>0</b>	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ % <b>0</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Start	End	Start	End	Summary of Operations			
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Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS																																																																																														
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Date	Well No (Type) :	Rig	Foreman(s)
MONDAY 02/27/2023	ANDR-1016 (K-2 PRESET GAS STORAGE WELL TARGETING KHUFF-B RESERVOIR.) Charge (66- 22056- #: 1016) Wellbores: (0) ANDR_1016_0	ADC-31	MEZIANE, ABDELGHANI / ALSABRI, ALBARAA MAMDOUH/ OLORUNTOBI, OLALERE SUNDAY/ GAHTANI, SAEED MU FARREH
		TURAYA	RIG FORMAN VSAT 572-2600
		00882-16777-11441	OTHER VSAT 577-1163 SAFETY
			CONTRACTOR/CLERK VSAT 829-7631 CLINIC
			CONTRACTOR/CLERK VSAT 577-1547 CLERK

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
12474	N/D BOP, P/T TREE, RETRIEVE 7" BPV, R/U SL, RETRIEVE INTERWELL RBP & PR PLUG, PERFORM FINAL TBG DRIFT, INSTALL 7" BPV & SECURE THE WELL, RELEASE RIG.	RIG MOVE TO NEW LOCATION	114 KM FROM DMG, 2 KM FROM AINDAR GOSP-4.	79.9 (12/09/2022 @ 0200)	BJDM 10700 35 FT SHALLOWER SUDR 11681 53' SHALLOWER SDDM 11895 54' SHALLOWER BSRD 11927 KHFF 12155 106' SHALLOWER
Prev. Depth	Liner Size TOL	MD	TVD	Last Csg Size MD TVD	Footage Ciro %
12474	7 11269	12474	12313	9 5/8 12276 12165	0 100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
04.0	0500 - 0900	0		C	WH	BOP	BOP	RIG	12474	12474			HELD PJSM - N/D & MOVED OUT 13-5/8" 10K BOP STACK.			
03.0	0900 - 1200	0		C	WH	NU	WH	GEP	12474	12474			N/U 11" X 7-1/16" 10M VG TBG BONNET WITH MLMV & P/T BONNET VOID TO 7500 PSI / 10 MIN, OK.			
02.5	1200 - 1430	0		C	WH	NU	WH	CAM	12474	12474			N/U 7-1/16" 10M CAMERON X-TREE (P/N: 2201888-0400943, S/N: 121633195-01).			
00.5	1430 - 1500	0		C	WH	SET	BPV	GEP	12474	12474			INSTALLED BLANKING PLUG INSIDE 7" VG BPV K-PLUG TO CONVERT IT TO TWCV AS PER VG WH ENG. PROCEDURES.			
00.5	1500 - 1530	0		C	WH	PTST	TREE	CAM	12474	12474			P/T CAMERON X-TREE, MLMV & TBG BNT TO 10,000 PSI / 10 MIN, OK.			
00.5	1530 - 1600	0		C	WH	SET	BPV	GEP	12474	12474			RETRIEVED BLANKING PLUG & 7" VG BPV (K-PLUG) AS PER VG WH ENG PROCEDURES. L/D SAME.			
07.5	1600 - 2330	0		C	COMP	OTH	PLUGT	INW	12474	12474			R/U SLB SLICK LINE. RIH TO 1000' & RETRIEVED INTERWELL 7" RBP. - RIH TO 2510 & RETRIEVED PR PLUG & PRONG. - RIH FINAL DRIFT 5.7" FOR DEPTH @ 12,412'. - L/D SLB SLICK LINE.			
00.8	2330 - 0015	0		C	WH	SET	BPV	RIG	12474	12474			BAKER INSTALL 7" BPV			
00.8	0015 - 0100	0		C	COMP	HT	SFLN	CAM	12474	12474			CAMERON ENG CLOSE ALL X-MAS TREE VALVES, SECURED THE WELL, CONFIRMED ALL CCA & TCA PRESSURES = ZERO			
00.0	0100 - 0100	0		S	OT	RELS NA	RIG		12474	12474			RIG RELEASED TO ANDR-1011 ON 27-FEB-2023 @ 01:00 AM.			

ANDR-1016 IS A DEVIATED K-2 PRE-SET KFBC WELL FOR UBCTD. IT IS A GAS STORAGE WELL TARGETING KHUFF-B RESERVOIR. THE WELL WILL BE COMPLETED AS 7" 10K CEMENTED LINER. WITH 7" COMPLETION TUBING AND 7" WELLHEAD CONFIGURATION.

THE WELL IS LOCATED WITHIN THE SHALLOW GAS AREA. HENCE, A DIVERTER SYSTEM WAS RIGGED UP PRIOR TO DRILLING 34" AND 28" SURFACE HOLES AS PER SHALLOW GAS RISK MITIGATION PLAN.

#### ===== ARAMCO PERSONNEL =====

- SYED JAINULABDEEN #8387052, RIG CLERK, LEFT LOCATION 12/18/22.
- MOHAMMED ALMUKHAIMER, 764534, ARAMCO FCT ON LOCATION ON 02/15/2023.
- ALBARAA ALNAJIM #780406, FCT, LEFT LOCATION 02/20/23.
- HESHAM BUOBAID, 8532887, MATERIAL EXPEDITER ON LOCATION 02/15/23.
- ARAMCO PDP MUSAD ALABDULHADI, 813117, OFF LOCATION ON 02/22/23.
- ARAMCO DE OLORUNTOBI OLALERE# 896426 ON LOCATION 02/22/2023.

#### ===== RIG VISITS=====

- ADC HSE MANAGER MR. MOHAMMAD AL-GUDAIHI VISITED RIG ON 02/01/2023.
- ADC RIG MANAGER HUSSAIN ALYOUSIF VISITED RIG 02/14/23.
- ADC OPERATION MANAGER AHMED AL-ALEIWI VISITED RIG 02/14/22.

#### =====3RD PARTY SERVICES PERSONNEL=====

- 1 X MI-SWACO MUD ENGINEER ON LOCATION 02/22/22.
- RECEIVED OIL SERV JAR ON 01/18/2023 SN: HMJ-800-0029, P/UP ON 01/25/2023 @ 06:00 AM, L/D ON 01/30/2023 @ 02:00.
- SLB FRAC TANKS ON LOCATION 03-JAN-2023 @ 20:00, RIG UP ON 01/06/2023.
- SAMAA ENGINEER ON LOCATION ON 02/13/2023 @ 16:00
- SLB LOGGING UNIT ON LOCATION 02/20/2023 @ 18:00
- EMC MUD ENGINEER ON LOCATION 02/22/2023

#### ===== HSE =====

- SHARED AND REVIEWED STOP CARDS/TOUR OBSERVATIONS.
- GDD SAFETY TOPIC: ELECTRICAL SAFETY
- EXPLAINED COMMON HAZARDS DURING RIG MOVE.
- CREW DISCUSSION. RIG SUPT DISCUSSED PRE MOVE AND PLANNING FOR RIG MOVE.

- STOP CARDS: 23
- SAFETY DRILLS:

- 2ND RSHEI - OPEN - 0, CLOSED - 40, TOTAL - 40

- WELL CONTROL (WCI): OPEN:0; CLOSED:7, TOTAL:7

- OE AUDIT - (OPEN - 0, CLOSED - 21, TOTAL - 21)

#### =====VACUUM TANKER BY TRANSLINK=====

- 1) DRSS# 1003833851 - DRIVER NAME- HUSSAN DOOR# 061, PLATE# 5612, (2- TRIP)
  - 2) DRSS# 1003833851 - DRIVER NAME- AMER DOOR# 058, PLATE # 5753, (2- TRIP)
  - 3) DRSS# 1003833851 - DRIVER NAME- SKANDER NADEER DOOR# 049, PLATE # 5759, (1- TRIP)
  - 4) DRSS# 1003833851 - DRIVER NAME- ALI DOOR# 036, PLATE # 4860, (2- TRIP)
  - 5) DRSS# 1003833851 - DRIVER NAME- ATEF RASHEED DOOR# 052, PLATE # 5755, (2- TRIP)
  - 6) DRSS# 1003833851 - DRIVER NAME - HESHAM DOOR# 092 PLATE # 5594, (2- TRIP)
- TAMMIN
- 7) DRSS# 1003847164 - DRIVER NAME- AMIR DOOR# 0109, PLATE # 6472, (1- TRIP)

8) DRSS# 1003847164 - DRIVER NAME- ABDULLAH MUTALIB DOOR# 0140, PLATE # 3497, (1- TRIP)

===== NEXT LOCATION =====

> ANDR-1011. 100% READY

ASSIGNED WATER WELL: ANDR-959 / 957.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS																																																																				
MUD DATA																																																																													
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DRILL STRING																																																																													
Miscellaneous																																																																													
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BULK	Drill Wtr.-BBLS <b>1000</b>	Pot Wtr.- BBLS <b>500</b>	Fuel- BBLS <b>488</b>	Barite- SX <b>66</b>	Bentonite - SX <b>26</b>	Cement G- SX <b>1300</b>																																																																							
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D&WO Morning Report (Service Providers View) Copyright 2010 Saudi Aramco. All Rights Reserved Daily Onshore (0500-0500) Saudi Aramco						Date <b>MONDAY 02/27/2023</b>	Well No (Type): <b>ANDR-1002 (K-2 PRE-SET KFBC WELL FOR UBCTD)</b>	Rig <b>ADC-32</b>	Foreman(s) <b>IBRAHIM, HAITHAM ABDELWAHAB/DICKSON, DANIEL MCLEOD/GAHTANI, SAEED MUFAREH</b> Engineer Superintendent	THURAYA <b>00882 16777 11440</b>	RIG FORMAN VSAT <b>013-577-4820</b>	OTHER VSAT <b>FCT 013-577-4822 CLINIC 013-829-7632</b>	FAX VSAT <b>NONE</b>	CONTRACTOR/CLERK VSAT <b>CLERK 013-577-4298</b>
Depth <b>0</b> Last 24 hr operations <b>RIG MAINTENANCE, MEANWHILE GENERAL R/U ON ANDR-1002</b>						Next 24 hr plan <b>RIG MAINTENANCE, MEANWHILE GENERAL R/U ON ANDR-1002</b>	Location <b>ANDR-1002   49 KM FROM ABQAIQ MAIN GATE   5 KM FROM AIN DAR GOSP-4</b>		Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops				

Depth <b>0</b>	Last 24 hr operations <b>RIG MAINTENANCE, MEANWHILE GENERAL R/U ON ANDR-1002</b>	Next 24 hr plan <b>RIG MAINTENANCE, MEANWHILE GENERAL R/U ON ANDR-1002</b>	Location <b>ANDR-1002   49 KM FROM ABQAIQ MAIN GATE   5 KM FROM AIN DAR GOSP-4</b>	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops
Prev. Depth <b>0</b>	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ % <b>0</b>

Hrs (From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations			
								Start	End	Start	End		
01.0 0500 - 0600 0		N	RM	PJSM	NA	RIG	0	0					
07.0 0600 - 1300 0		N	RM	RU	NA	RIG	0	0					
16.0 1300 - 0500 0		N	MAIN	RU	NA	RIG	0	0					

**HELD PJSM WITH ALL CREW, RIG MOVERS, CRANE OPERATORS & DRIVERS. DISCUSSED THE PROCEDURES FOR R/M & R/U OPERATIONS. REVIEWED THE PLAN FOR THE DAY & THE INVOLVED RISKS.**

**CONT. R/M FROM ANDR-1003 & R/U ON ANDR-1002:**

- > LOADED & MOVED REMAINING SKIDS, STORES & MISCELLANEOUS LOADS TO NEW LOCATION.
- > ASSEMBLING THE SUB-BASE (ONGOING)
- > INSTALLED ROTARY TABLE.
- > R/U THE A-FRAME.
- > R/U MUD SYSTEM.
- > DIGGING DITCHES AROUND MUD TANKS (ONGOING)
- > INSPECTION OF ALL LIFTING GEARS (ONGOING)
- > CONT. CLEANING OF OLD LOCATION

**RIG MAINTENANCE FOR DRAWWORKS, MUD PUMP & MAJOR EQUIPMENT. MODIFICATION FOR CIRCULATING SYSTEM:**

- > MPI & CAT III FOR MAJOR EQUIPMENT (DRAWWORKS, DEADLINE ANCHOR, CROWN BLOCK, TDS & MONORAIL, SHEAVES OF MAST RAISING LINE, TRAVELLING BLOCK & ROTARY TABLE ONGOING)
- > CHANGED THE MAST RAISING LINES.
- > MAINTENANCE & CHANGING PARTS FOR DRAWWORKS BY PMS (ONGOING)
- > INSTALLING NEW SHAKERS & POSSUM BELLY (ONGOING)
- > INSTALLING NEW TRIP TANKS (ONGOING)
- > INSTALLING NEW GROUND MANIFOLD (ONGOING)
- > MODIFICATION FOR STANDPIPE GOOSENECK (ONGOING)
- > OVERHAUL FOR MUD PUMP #3 (ONGOING)
- LOADS MOVED TODAY: 15 LOADS
- TOTAL LOADS MOVED: 207 LOADS
- R/D: 100%, R/M: 100%, R/U: 30%

ANDR-1002 IS A DEVIATED K-2 PRE-SET KFBC WELL FOR UBCTD. IT IS A GAS STORAGE WELL TARGETING KHUFF-B RESERVOIR. THE WELL WILL BE COMPLETED AS 7" 10K CEMENTED LINER.

THE WELL IS LOCATED WITHIN THE SHALLOW GAS AREA. HENCE, A DIVERTER SYSTEM WILL BE RIGGED UP PRIOR TO DRILLING 34" AND 28" SURFACE HOLES AS PER SHALLOW GAS RISK MITIGATION PLAN.

#### ===== SGA & NEARBY FACILITIES =====

- > DAILY COMMUNICATION WITH RIG SINO-15L.
- > SHARED SAME SGA#1 (1.94 KM) & SGA#2 (1.76 KM) FOR BOTH RIGS ADC-32 & SINO-15L WHERE BOTH SGA'S ARE OUTSIDE 30 PPM RER OF BOTH RIGS.
- > INSTALLED 4 X STAND ALONE GAS DETECTION SENSORS BETWEEN BOTH RIGS.

#### ===== ARAMCO PERSONNEL =====

- > ARAMCO CLERK SALMAN PARIS # 8394791 LEFT THE LOCATION 5-JAN-23
- > ARAMCO CLERK RAGHIB AHSAN # 8059526 ON LOCATION 3-JAN-23
- > MR. SAEED GAHTANI, GDD DIV#3 SUPERINTENDENT VISITED RIG ON 26-FEB-23
- > ADC RIG MANAGER ABDULMOHSEN SALIK VISITED RIG ON 15-FEB-23
- > ADC RIG MANAGER ABDULMOHSEN AL-SULTAN VISITED RIG ON 24-FEB-23

#### ===== ARAMCO SERVICES PERSONNEL =====

- > BAKER HUGHES MUD ENG ON SITE FOR HANDOVER YARD & LAB TO THE NEWLY ASSIGNED COMPANY (EMC)
- > EMC MUD ENG. ON SITE 26-FEB-23
- > SINOPEC GAS DETECTION SENSORS & OPERATORS ON SITE 22-FEB-23

#### ===== RENTAL TOOLS =====

#### ===== PLAN VS ACTUAL CSG SETTING DEPTHS =====

#### ===== HSE =====

HSE ACTIVITIES TODAY:

- 1) PRE-TOUR MEETING: DISCUSSED WITH CREW - WORKING AT HEIGHTS, PINCH POINTS, LINE OF FIRE, USING THE CORRECT TOOLS
- 2) DISCUSS GDD SAFETY TOPIC OF THE DAY: FIREFIGHTING & EQUIPMENT / ELECTRICAL SAFETY
- 3) RS DISCUSSED PLAN FOR THE RIG MOVE ACTIVITIES
- 4) DAILY REVIEW AND AUDIT OF PTW'S
- 5) DAILY OBSERVATIONS: RIG MOVE ACTIVITIES - TANDEM LIFTS: LOADING & OFFLOADING OF WORKSHOPS, ARAMCO DIESEL TANK, STORES, A-FRAME, HOT WORK ON SHALE SHAKER, INSTALLING ROTARY TABLE, LIFTING OF POSSUM BELLY & SHALE SHAKER
- 6) COORDINATED WITH SETCORE - INSPECTION OF LIFTING GEARS ATTACHED TO THE MAST

STOP CARDS: 12

DRILLS: NIL

#### ===== AUDITS =====

#### ===== VACUUM TANKERS AND CONSTRUCTION EQUIP =====

FOR OLD LOCATION ANDR-1003

TRANSLINK - DRSS NO. 1003828943

1) DRIVER: THABIR - PLATE# 4777 (2 TRIP)

2) DRIVER: SUBIR - PLATE# 5757 (2 TRIP)

3) DRIVER: ZEESSHAN - PLATE# 5762 (2 TRIP)

TAMIMI - DRSS NO. 1003846768

- 1) DRIVER: WALEED - PLATE# 6685 (2 TRIP)  
 2) DRIVER: ROY - PLATE# 2311 (2 TRIP)  
 3) DRIVER: ANTHONY - PLATE# 2330 (2 TRIP)  
 4) DRIVER: BIJU - PLATE# 6276 (2 TRIP)  
**TOTAL 14 TRIPS**

Remarks

**MR. SAEED GAHTANI, GDD DIV#3 SUPERINTENDENT VISITED RIG ON 26-FEB-23, DISCUSSED RIG MOVE OPERATIONS & REVIEWED RIG MAINTENANCE PLAN. DISCUSSED NEW ERP & COMBINED RISK ASSESSMENT BETWEEN ADC-32 & SINO-15L.**

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS					
<b>MUD DATA</b>														
<b>MUD TREATMENT</b>														
<b>BIT DATA</b>														
<b>DRILL STRING</b>	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
<b>Miscellaneous</b>	BOP Test	BOP Drills		Wind	Sea		Weather		DSLTA	Safety Meeting	<b>5526</b>	<b>2 X DAILY</b>		
	Real-Time Data Quality						<b>No Transmission</b>							
<b>Personnel and Services Information</b>	COMPANY	SCC	RIG	BDF	SNS	RIG	ARM	ARM	EMC					Total <b>109</b>
	CATEGORY	CTR G	RIG	DFMS	H2S	OTHR	OTHR	WSC	DFMS					
	NO. OF PERSONS	14	40	1	2	49	1	1	1					
	OPERATING HRS.	0	24	0	24	12	12	24	0					
	ON LOCATION HRS.	24	24	24	24	24	24	24	12					
Standby/Tankers														
<b>ARAMCO VEHICLE AB-6315</b>														
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS		Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX							
REPAIR ASAP	Instrumentation	Other												Reporter
	Computer, Communication & V-Sat Issues													

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Date	MONDAY 02/27/2023	Well No (Type) :	GRIMES, CHARLES EDWARD/ ALABDULLAH, MOHAMMED AHMED/ ABDELGHANI, HUSSEIN RASHAD/ ABDULMOHSIN, ABBAS FATHIL
Rig	ADC-34	Foreman(s)	
Engineer		Engineer	THURAYA
Superintendent		Superintendent	RIG FORMAN VSAT <b>008821677711085</b>
THURAYA	RIG FORMAN VSAT <b>013-577-3565</b>	OTHER VSAT	CONTRACTOR/CLERK VSAT <b>013-577-3933</b>
#:	Charge (66-22057- 2359)		013-577-3571
Wellbores: (0) UTMN_2359_0			

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
0	RIG UP ON UTMN-2359.	SPUD WELL, DRILL ROTARY 34" TO CP.	24.9557241 N LAT, 49.3810525 E LONG 169KM FROM DMG	0.0 (@)	
Prev. Depth	Liner Size	TOL MD TVD	Last Csg Size	MD TVD	Footage Circ %
0					0

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Start	End	Start	End	Summary of Operations			
24.0	0500 - 0500	0		N	RM	RU	NA	RIG	0	0					RIG UP ON UTMN-2359.  - P/U & M/U 5.5 DP STANDS & RACK ON MAST. - SLIP & CUT DRILL LINE. - INSTALL STABBING BOARD. - P/U & M/U 34" BHA AS PER GAME PLAN. - F/U CELLAR AND CHECK CELLAR PUMP, FUNCTION OK. - CONNECT CEMENT LINE FROM CMT TANK TO SHAKER TANK. - MIX CHEMICALS AS PER GAME PLAN/ME. - FUNCTION TEST H2S ALARMS, LIGHTS, FIRE DRILL. CHECK ALL HSE EQUIPMENT INSTALLATION. - PREPARE 36" CSG ON RACK. - PASON WORKING ON EDR AND SENSOR CALIBRATIONS. - WORKING ON PRE-SPUD CHECK LIST. - RIGGING UP MI SWACO CLOSED LOOP SYSTEM  RIG DOWN = 100%; RIG MOVE = 100%; RIG UP = 100%.			

UTMN-2359 IS PLANNED TO BE DRILLED AS A K-1 VERTICAL WELL DESIGN 200FT INTO TAWIL FORMATION AT 15,859' TO ASSESS THE DEVELOPMENT OF JAUF AND UNYZ RESERVOIRS AS PRIMARY AND KHUFF-C AS SECONDARY OBJECTIVES.

#### =====PERSONNEL ON BOARD=====

> ARAMCO CLERK, MUHAMMED NADEEM #8061039 ON LOCATION SINCE 7/31/2022 / ARAMCO FCT, MUSHABAB ALAHMARI #791588 ON LOCATION 2/8/2023  
 > ARAMCO PDP, ABDULRAHMAN Y. AL-YAHYA #814408 OFF LOCATION 2/26/2023 / ARAMCO PDP, SAEED AL-MUDHRY #790431 OFF LOCATION 2/26/2023  
 AND IN COURSE

> EMEC MUD ENGINEER ON LOCATION SINCE 2/13/2023.

> ADC TOOL PUSHER: DAY: AHMED AFIFI/ NIGHT: ZAINULABIDIN FIDA HUSSAIN.

#### =====HSE=====

DAILY SAFETY TOPIC: CONTINUE R/U TDS. MAN RIDING SAFETY PRECAUTIONS .SHARED GDD SAFETY TOPIC: FIREFIGHTING & EQUIPMENT. HSE ALERT 20-23: HAND INJURY WHILE USING IRON ROUGHNECK. HSE ALERT 22-23: AUXILIARY CYLINDER FRAME DAMAGE WHILE LOWERING THE MAST. HSE ALERT 23-23: WINDY WEATHER INCIDENT.

> NEAR MISS: SLS# 4480053

> DRILLS: NONE

#### =====WELLSITE TRUCKS=====

DRSS# 1003844707.

#### =====WELL DESIGN / INFO=====

> CASING DEPTHS - 36": 120' MD, 30" 851' MD: 24" 2984' MD, 18-5/8": 6643' MD, 13-3/8": 7910' MD, 9-5/8" 10947' MD, 7": 12994' MD / 12994' TVD, 4-1/2": 15812' MD / 15812' TVD.

#### =====NEXT LOCATION=====

NEXT LOCATION: UTMN-2375 READINESS: 100%.

#### =====RIG VISIT=====

> ADC MANAGEMENT ADC RIG MANAGER ASIEM AL MOMTEN ON SITE SINCE 2/24/2023 FOR RIG MOVE (RAISING DERRICK AND DRAWWORKS).

#### Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS								
<b>MUD DATA</b>																	
<b>MUD TREATMENT</b>																	
<b>BIT DATA</b>																	
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #			
Miscellaneous	BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting										
			SEASONAL	N/A	SEASONAL	4505	DAILY PRE TOUR										
			Real-Time Data Quality														
	COMPANY	SUW	SDM	RIG	EMC	BQM	RIG	ARM	MI2	ARM							

Personnel and Services Information	CATEGORY	CTR G	DPDS	RIG	DFMS	MEON	OTHR	OTHR	SCS	WSC	Total <b>122</b>
	NO. OF PERSONS	<b>14</b>	<b>1</b>	<b>38</b>	<b>1</b>	<b>44</b>	<b>17</b>	<b>1</b>	<b>4</b>	<b>2</b>	
	OPERATING HRS.	<b>0</b>	<b>0</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>24</b>	<b>24</b>	
	ON LOCATION HRS.	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	
Trucks/Boats	Standby/Tankers										
	<b>PICK UP AB-0006</b>										
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS <b>1000</b>	Fuel- BBLS <b>330</b>	Barite- SX	Bentonite - SX	Cement G- SX <b>0</b>					
REPAIR ASAP	Instrumentation	Other									Reporter
	Computer, Communication & V-Sat Issues										

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>UTMN-2338 (K-2 S-SHAPE TARGETING JAUF.)</b> Charge (66- 21057-#: <b>2338)</b> Wellbores: (0- 1) UTMN_2338_1	Rig <b>ADC-35</b>	Foreman(s) Engineer Superintendent <b>ABDEL RAHMAN, MOHAMED ABDEL RAHMAN/ BLIZAK, SAMIR/ BEGLIYEV, AMANMYRAT/ IFTIKHAR, BILAL/ GAHTANI, SAEED MUFAREH</b>
THURAYA 8821677711421	RIG FORMAN VSAT 013-574-5079	OTHER VSAT 013-574-5049 ( GEO ) 013-829-7635 ( CLINIC )	CONTRACTOR/CLERK VSAT 013-574-5057

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>6320</b>	<b>CONT RIH 12" C/O BHA TO C/O L.C , CMT POOH WITH C/O BHA - P/U &amp; RIH 12" RSS , F.C , CMT. DISPLACE HOLE TO 102 PCF ASSY WITH PBL SUB TO SHOE - MPD IN CSG WBM , P/T 13"3/8 CSG, DRILL OUT CMT , TEST - STRIP DOWN TO BTM - RSS DRLG 12" F.S &amp; 10 FT NEW FM. POOH C/O BHA.</b>	<b>WELLBORES: (0- 1) UTMN_2338_1</b>	<b>UTMN-2338</b>	<b>66.7 (12/22/2022@0900)</b>	<b>BYDH 4080 9' SHALLOWER MDTM 4961 43' SHALLOWER SULY 5540 11' SHALLOWER HITH 6252 99' DEEPER</b>
<b>Prev. Depth 6310</b>	<b>Liner Size</b>	<b>TOL</b>	<b>MD</b>	<b>TVD</b>	<b>Last Csg Size MD TVD Footage 13 3/8 63046204 10</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations					
									Start	End	Start	End						
02.8	0500 - 0745	0-1	16	N	DRLG	DFS	TDS	RIG	6310	6310	4035	4090	<b>CONTINUE CLEAN OUT CMT &amp; DV TO 4090'. &gt; CLEANED MEDIUM TO HARD CEMENT WITH 5-10K WOB. &gt; DV TOOL AT 4031 FT. &gt; MAKE 3 PASSAGES THROUGH DV INTERVAL -OK- &gt; PUMP HI-VIS AND CIRCULATE HOLE CLEAN.</b>					
01.0	0745 - 0845	0-1	16	N	DRLG	TI	STDP	RIG	6310	6310	4090	6000	<b>CONT RIH 12" C/O BHA TO TAG CMT @ 6000'.</b>					
00.5	0845 - 0915	0-1	16	N	DRLG	RR	TDS	RIG	6310	6310			<b>TDS SERVICE.</b>					
00.5	0915 - 0945	0-1	16	N	DRLG	RW	BIT	RIG	6310	6310	6000	6100	<b>WASH DOWN LAST 2 STANDS AND TAG TOC AT 6100'.</b>					
10.2	0945 - 2000	0-1	16	N	DRLG	DFS	TDS	RIG	6310	6310	6100	6254	<b>C/O CMT , L.C , CMT , F.C , CMT TO 6254' ( 50 FT ABOVE SHOE ). &gt; MEDIUM TO HARD CEMENT. &gt; OBSERVE HIGH TORQUE WHILE D/O CMT AND L/C, ADJUST PARAMETERS ACCORDINGLY. &gt; PUMP HI-VIS SWEEP &gt; MEANWHILE RIG UP &amp; TEST MPD EQPT OFFLINE.</b>					
01.8	2000 - 2145	0-1	16	N	DRLG	CIRC	MPMP	RIG	6310	6310			<b>DISPLACE HOLE TO 102 PCF WBM.</b>					
00.5	2145 - 2215	0-1	16	N	DRLG	OTH	NA	RIG	6310	6310			<b>FLOW CHECK - STATIC.</b>					
00.5	2215 - 2245	0-1	16	N	DRLG	PTST	MPMP	RIG	6310	6310			<b>PRESSURE TEST CSG TO 115 PCF EMW ( SURFACE PRESSURE 560 PSI )-OK-.</b>					
03.2	2245 - 0200	0-1	16	N	DRLG	DFS	TDS	RIG	6310	6310	6254	6310	<b>DRILL OUT HARD CMT , F.S. RATE HOLE.</b>					
02.5	0200 - 0430	0-1	12	N	DRLG	D	TDS	RIG	6310	6320			<b>DRILL 10 FT NEW FM TO 6320'. &gt; CONFIRMED 100% FORMATION OUT F/6311'.</b>					
00.5	0430 - 0500	0-1	12	N	DRLG	CIRC	MPMP	RIG	6320	6320			<b>SWEEP HOLE WITH HVP - CHC.-ON GOING AT RT</b>					

#### ARAMCO PERSONNEL:

- ARAMCO MATERIAL EXPEDITOR ABDULAZIZ ALZahrani 8529960 ON LOCATION 02/14/23.
- ARAMCO CLERK MOHAMED SHALIK # 8544443 ON LOCATION 30 AUG 22.
- PDP OMAIR MOHAMED #821193 ON LOCATION 02/17/2023 LEFT LOCATION 02/25/2023.
- DE MR.BEGLIYEV, AMANMYRAT ON LOCATION 02/25/2023.

#### =====SERVICE COMPANY ON LOCATION=====

- RAWABI MUD COMPANY ON LOCATION F/ 14 DEC - ADDITIONAL MUD ENGINEER ON LOCATION 1/22/23.

- SPERRY MWD CREW 12/30/22.
- HAL CUSTOMIZED MUD LOGGING.
- SLB BARITE SILO ON LOCATION
- MPD TEAM HALL ON 02/18/2023.
- CAMERON OP ON LOCATION 02/21/2023.
- BAKER BIT MAN ON LOCATION 02/27/2023

#### ===== ADC RIG VISITS=====

\*\* ADC OPERATION MANAGER AHMED ELWEE AND RIG MANAGER ASIM ALMOMTEN LAST VISIT ON 2/20/23.

\*\* ADC OPS MANAGER AHMED ALEWI LAST VISIT ON 2/20/23.

\*\* QHSE MANAGER YEHIA AHMED ALI AHMED AND DIVISION HSE MANGER MOHAMMED AL-GUDAIHI LAST VISIT ON 12/30/22.

#### ===== RENTAL TOOLS =====

\* RECEIVED SAMAA 2 X 8 1/4" PBL SUBS S.N : ( SBM825BP333, HYD825BP71 ) RECEIVED 02/25/23.

\* RECEIVED NOV 8" JAR , S.N : 236-80627-20 ON 2/21/23.

#### =====HSE=====

DRILLS: 2 X TRIP DRILLS. 2 X PIT DRILLS.

\*OPERATIONAL HIGHLIGHTS BY RS AND SA FOREMAN.

\*DISCUSSED CURRENT OPERATION, HAZARD RELATED AND PRECAUTIONS CONSIDERED. WORK ON 26" BOP OFFLINE.

\*GDD DAILY SAFETY TOPIC "ELECTRICAL SAFETY" SHARED, BRIEFED AND DISCUSSED.

\*EMPHASIZED ON FOLLOW PROPER PROCEDURES AND SAFE WORK INSTRUCTIONS FOR ALL JOBS.

\*AWARENESS SESSION ON PERMIT TO WORK SYSTEM AND LOCK OUT TAG OUT.

\*UPCOMING SUPERVISORY MEETING AND AWARENESS SESSION WITH MPD TEAM, ARAMCO SUPERINTENDENT AND RIG CREW.

\*EMPHASIZED ON PTW SYSTEM, PROPER COMMUNICATION, SWA, LINE OF FIRE, AND PPES POLICY.

#### =====VACUUM TANKERS ON LOCATION=====

(I) ROWAD AL JAZEERA HOLDING COMPANY - DRSS NO: 1003832219 ( FROM JANUARY MONTH)

1.GUL SAMAR - PLATE/DOOR# 2045/2516 (2 TRIPS)

2.ABDUL QADIR - PLATE/DOOR# 2039/2500 (2 TRIPS)

3.AHMED - PLATE # 7788 (2 TRIPS) DRSS NO: 1003850494 ( FROM FEBRUARY MONTH)

4.MOHAMED RAHAMA - PLATE # 7109 (2 TRIPS)

5.JORDAN - PLATE # 3167 (2 TRIPS)

(II) TAM/TAMINI COMPANY- DRSS NO: 1003832221 ( FROM FEBRUARY MONTH)

1.YAHYA - PLATE - 8343 (2 TRIPS)

2.FAIZ - PLATE - 4473 (2 TRIPS)

3.ABDULAZIA - PLATE - 4382 (2 TRIPS)

#### =====GDD COST OPTIMIZATION=====

- KILL MUD: NONE.

- FRAC TANK: NONE.

- ACID FOR STUCK: SHARING VDA ACID WITH DPS-44.

#### =====

- NEXT WELL: UTMN-2376, READY 100%.

- WATER WELLS: UTMN-3549/UTMN-900.

Remarks

GDD DIV#3 MR.SAEED GAHTANI , DE SUPERVISOR MR AMOS VISITED RIG AND CONDUCT MPD PRE-OPERATION MEETING WITH ARAMCO FOREMAN , DE & ALL KEY PERSONNEL ON RIG - DISCUSSED MPD PLAN & CHALLENGES .

Lateral	Survey MD			Angle		Azimuth		CLength		TVD		N/S(-)Coordinate				E/W(-)Coordinate			Vertical Sec	DLS																			
MUD DATA	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)		PV	YP	Electrical Stability		3/6 RPM	Gels Sec/Min	PH	CA PPM	320		CL PPM	4100																						
	102 PCF	60 SEC	0 HTHP	0 HTHP		34	25	0 Volts		6 / 7	9 / 11	9.8	320		Water Well #	UTMN-900, UTMN-3527																							
	FL Temp	Cake HTHP	Cake API	Water Vol. %		Oil Vol. %	Solids Vol. %	Sand Vol. %		% LGS	MBT	Mud type	UTMN-900, UTMN-3527		CL PPM	4100																							
	0	0	1	79		0	21	0		0	6	LS-ND	320		Water Well #	UTMN-900, UTMN-3527																							
MUD TREATMENT	CITRICACID	BICB	BARITE																																				
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out																												
	9	517	12	SMT	RV0423	GF20	/	6310	6320																														
DRILL STRING	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP																							
	49	85									1910	800			273.28	0																							
Miscellaneous	Float	Y																																					
	BHA Hrs:	2.5																																					
Personnel and Services Information	String Wt.	Pick Up	Slack Off	Rot. Torque				6000				Jars: Serial #/Hrs				/		Shock Sub:		/		Mud Motor:																	
	250	254	249													/		/		/		/																	
Trucks/Boats	BOP Test		02/25/2023		BOP Drills		Wind		Sea		Weather		DSLTA		Safety Meeting				TOURLY/PRE-OPS																				
	Real-Time Data Quality				Sensors Quality				100%		Data Frequency		100%		Real-Time Hrs		11.49/24 hrs																						
REPAIR ASAP	COMPANY	SCC	SPS	RIG	EMC	NOJ	HUD	HMS	RIG	ARM	OTH	ARM	SAM	CAM	BHT									Total 103															
	CATEGORY	CTRG	DPDS	RIG	DFMS	JST	MPD	MLS	OTHR	OTHR	VAC	WSC	WBCS	WHES	BITS																								
	NO. OF PERSONS	13	4	42	2	0	9	2	14	4	8	2	1	1	1																								
	OPERATING HRS.	0	24	24	24	24	24	24	12	12	12	24	24	24	24																								
	ON LOCATION HRS.	24	24	24	24	0	24	24	24	24	24	24	24	24	24																								
Standby/Tankers																								Reporter															
BULK	Drill Wtr.-BBLS		Pot Wtr.- BBLS		Fuel- BBLS		542		336		Bentonite - SX		130		Cement G- SX																								
Instrumentation																																							
Computer, Communication & V-Sat Issues																																							

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>UTMN-3065 (GAS-PRODUCER, MK- 36 2 S-SHAPE, 200 FT INTO TAWIL FORMATION)</b>	Rig <b>ADC-36</b>	Foreman(s) <b>MOHAMED/</b> Engineer <b>UTUNEDI, AWOTU FRIDAY/</b> Superintendent <b>HUAIMLI, AHMED ABDULAZIZ</b>	<b>ELSAID MOHAMED, MOHAMED FATHI/ ELASSI, GOMAA</b>
	Charge (66- 22057-#: <b>3065</b> ) Wellbores: (0) UTMN_3065_0	THURAYA <b>008821677711445</b>	RIG FORMAN VSAT <b>577-3991</b>	OTHER VSAT <b>577-3698 (RIG CLERK)</b> CONTRACTOR/CLERK VSAT <b>0138297736 (ADC OFFICE)</b>

Depth <b>10540</b>	Last 24 hr operations <b>CONT CHC, WIPER TRIP/ BACK REAM TO 18-5/8" CSG SHOE....ONGOING @ 4,700 FT. GO PILL ON BTM, POOH TO SURFCAE, RUN 13-3/8" CSG.</b>	Next 24 hr plan <b>CONT. WIPER TRIP TO 18-5/8" SHOE @ 4270', RUN BACK TO BTM, CHC, SPOT CSG- SHOE....ONGOING @ 4,700 FT. GO PILL ON BTM, POOH TO SURFCAE, RUN 13-3/8" CSG.</b>	Location <b>119 KM FROM DAHRAH MAIN GATE</b>	Days Since Spud/Comm (Date) Formation tops		
				<b>27.5</b> (01/30/2023@1600)	<b>BYDH 3975 MDTM 4720 SULY 5400 HITH 5860 ABAR 6380 ABBR 6470 ABCR 6580 ABDR 6900 BADR 7200 HNIF 7610 HDRR 8065 UFDR 8130 DHRM 8280 LFDR 8320 BLFR 8460 HURN 9070 MRRT 9190 MNJR 9730 JILH 10120 JLDM 10350 BJDM 10510</b>	<b>16' SHALLOWER 99' SHALLOWER 70' DEEPER 21' SHALLOWER 11' SHALLOWER 5' SHALLOWER 16' SHALLOWER 84' DEEPER 64' DEEPER 33' SHALLOWER 1' SHALLOWER N/A 43' SHALLOWER 14' SHALLOWER 27' DEEPER 22' SHALLOWER 13' DEEPER 120' DEEPER 24' DEEPER 25' SHALLOWER 10' SHALLOWER</b>
Prev. Depth <b>10540</b>	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage <b>18 5/8 42704270 0</b>	Circ % <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
<b>02.5</b>	<b>0500 - 0730</b>	<b>0</b>	<b>16</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>10540</b>	<b>10540</b>			<b>CONT. CIRCULATING HOLE TILL CLEAN SHAKER, FLOW CHECK; WELL STATIC, SPOT 100 BBLS OF HVP ON BTM.</b>
<b>03.5</b>	<b>0730 - 1100</b>	<b>0</b>	<b>16</b>	<b>N</b>	<b>DRLG</b>	<b>ST</b>	<b>STDP</b>	<b>RIG</b>	<b>10540</b>	<b>10540</b>	<b>10540</b>	<b>8680</b>	<b>POOH WIPER TRIP 16" ROTARY BHA TO 8,680' - HARD BACK REAMING TIGHT HOLE FOR INTERVALS (10,050'- 9,800'), (9,100'- 8,830') WORKED ON SAME TILL GET SMOOTH .</b>
<b>01.2</b>	<b>1100 - 1215</b>	<b>0</b>	<b>16</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>10540</b>	<b>10540</b>			<b>RUN BACK ONE STD, CIRCULATED BTM'S UP, CHECKED SHAKER WITH NO MORE CUTTINGS.</b>
<b>16.2</b>	<b>1215 - 0430</b>	<b>0</b>	<b>16</b>	<b>N</b>	<b>DRLG</b>	<b>ST</b>	<b>STDP</b>	<b>RIG</b>	<b>10540</b>	<b>10540</b>	<b>8680</b>	<b>4700</b>	<b>RESUME WIPER TRIP/ BACK REAMING TO 18-5/8" SHOE- HARD BACKREAMING WITH STRING STALLING SEVERAL TIMES.....ONGOING @ 4,700 FT.</b>
<b>00.5</b>	<b>0430 - 0500</b>	<b>0</b>	<b>16</b>	<b>N</b>	<b>DRLG</b>	<b>RR</b>	<b>TDS</b>	<b>RIG</b>	<b>10540</b>	<b>10540</b>			<b>SERVICE TDS &amp; CHECK FOR POSSIBLE DROPPED OBJECTS.</b>

=====WELL OBJECTIVE=====

UTMN-3065 WILL BE DRILLED AS MK-2, S-SHAPE WELL DESIGN TO 200 FT INTO TAWIL FORMATION. IT WILL TARGET JAUF & UNYZ AS PRIMARY AND KHUFF-B/C AS SECONDARY RESERVOIR OBJECTIVES. IT WILL BE COMPLETED WITH 4-1/2" 15K CEMENTED LINER.

===== ERP =====

- UTMN-3065 IS IN NON POPULATED AREA & LOCATED IN SHALLOW GAS AREA.
- LEL @ 130 M, RER 100 PPM @ 894 M & RER 30 PPM @ 2452 M.
- H2S IS 8 MOLE % THROUGH KHUFF-C 1.

===== PERSONNEL ON BOARD =====

- ARAMCO MATERIAL EXPEDITER MOHAMMED ALKHALDI ID# 8457889 ON LOCATION SINCE FEB. 15, 2023.
- ARAMCO PDP AHMAD KHAYYAT #78005 ON LOCATION SINCE FEB. 23, 2023
- EVALUATOR SHAIKH MUBARAK, SAEED ON LOCATION

===== FLAT TIME KPI =====

- RIG MOVE KPI: 7.84 DAYS, ACTUAL: 7.46 DAYS
- DP TRIPPING KPI: 19 STD/HR / ACTUAL: NONE STD/HR.
- RUN 36" CSG: 0.6 JTS/HR, ACTUAL: 0.8 JTS/HR.
- RUN 30" CSG: 3 JTS/HR, ACTUAL: 3.4 JTS/HR.
- RUN 24" CSG: 4 JTS/HR, ACTUAL: 4.6 JTS/HR.
- RUN 18-5/8" CSG: 7 JTS/HR, ACTUAL: 8 JTS/HR.
- RUN 13-3/8" CSG: 11.5 JTS/HR, ACTUAL: NONE JTS/HR.
- RUN 9-5/8" CSG: 14 JTS/HR, ACTUAL: NONE JTS/HR.
- RUN 7" LINER: 14 JTS/HR , ACTUAL: NONE JTS/HR.
- RUN 4-1/2" LINER: 13 JTS/HR , ACTUAL: NONE JTS/HR.
- RUN 4-1/2" UPPER COMPLETION KPI: 13.5 JT/HR / ACTUAL: NONE JT/HR
- RUN TOL 4-1/2" @ XXXX' FT, BTM OF 4 1/2" LNR @ XXX
- INSTALL 24" X 26 3/4" 3M WELLHEAD KPI: 6.5 HR / ACTUAL: 4 HR.
- INSTALL 18 5/8" X 20 3/4" 5M WELLHEAD KPI: 5 HR / ACTUAL: XX HR.
- INSTALL 13 3/8" X 13 5/8" 10M WELLHEAD KPI: 4 HR / ACTUAL: XX HR.
- INSTALL 9 5/8" X 11" 10M / 10M WELLHEAD KPI: 4 HR / ACTUAL: XX HR.

===== CASING SETTING DEPTHS =====

- PLANNED 42" SECTION TO 120' / ACTUAL: 116'
- PLANNED 34" SECTION TO 588' (50' TVD INTO RUS FM) / ACTUAL: 535' (55' TVD INTO RUS FM)
- PLANNED 28" SECTION TO 2,627' (50' TVD INTO AHMADI MBR) / ACTUAL: 2,640' (75' TVD INTO AHMD)

- PLANNED 22" SECTION TO 4,869' (50' TVD INTO MDTM) / ACTUAL: 4,275' (300' INTO BYDH FM)
  - PLANNED 16" SECTION TO 10,550' (30' TVD INTO BJDM) / ACTUAL: 10,540' (30' INTO BJDM)
  - PLANNED 12" SECTION TO 12,489' (10' TVD INTO KFBC) / ACTUAL: N/A
  - PLANNED 5-7/8" SECTION TO 14,698' (239' TVD INTO TAWIL) / ACTUAL: N/A

===== SAFETY =====

- PRE-TOUR SAFETY MEETINGS: (2),**

**- DRILLS: NONE.**

- COLD PTW: (2), HOT PTW:(0) CONFINED SPACE: (0), DESEIL TRANSFER: (0), MAN RIDER: (0), JSA: (2), STOP CARDS: (35), NM / INCD: (0)

===== SIMOPS =====

- ESTABLISHED DAILY COMMUNICATION PROTOCOL WITH RIG PA-604S.

- PLACED 24 HRS STAND ALONE H2S SENSORS BETWEEN ADC-36 & RIG PA-604S.

## ===== WATER SPRAY & VACUUM TANKERS =====

- GHEENA CAMPANY VACUUM PLATE#3713 , PLATE#4177, PLATE# 4257 , PLATE#4258

- GHEENA SPRAY TANKER PLATE #5251 WITH DRSS # 1003798473  
GENERAL EQUIPMENT AND MATERIALS

- RENTAL TOOLS ON LOCATION -----  
SINOPAC STAND ALONE HSC SENSORS CALL LOCATION SINCE 21/02/2020

- SINOPEC STAND ALONE H2S SENSORS ON LOCATION SINCE 01/01/2013

- 9 1/2" NAPESCO DRILLING JAR SN-950-0009 ON LOCATION SINCE 02/16/2023  
- 2 1/2" SAMCO BBL SUR MULTI ACTIVATION CIRCUITATING SUR SN- WFCG25

- 9 1/2 SAMAA PBL SUB MULTI ACTIVATION CIRCULATING SUBS  
- 2 X MISWACO MIXING TANKS ON LOCATION SINCE 14 FEB 2022

- 2 X MISWACO MIXING TANKS ON LOCATION SINCE 14
  - ADDITIONAL 3 X MISWACO MIXING TANKS ON LOCATION

- ADDITIONAL 2 X MISWACO MIXING TANKS ON LOCATION SINCE 25 FEB 2023
- 3 X MISWACO SILO ON LOCATION SINCE 16 FEB 2023

- ===== NEXT LOCATION STATUS =====**

- NEXT V

Remarks													
Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight 87 PCF	Funnel Vis. 55 SEC	Filtrate(WL) 14 HTHP	Filtrate (WL) API	PV 33	YP 23	Electrical Stability 0 Volts	3/6 RPM 6 / 8	Gels Sec/Min 7 / 13	PH 9.5	CA PPM 0	CL PPM 31000	
	FL Temp 150	Cake HTHP 2	Cake API 1	Water Vol. % 85	Oil Vol. % 0	Solids Vol. % 15	Sand Vol. % 0	% LGS 4.73	MBT 6	Mud type NCPOL	Water Well # UTMN-987, UTMN-3517		
	Weight 87 PCF	Funnel Vis. 52 SEC	Filtrate(WL) 12 HTHP	Filtrate (WL) API	PV 36	YP 21	Electrical Stability 0 Volts	3/6 RPM 6 / 7	Gels Sec/Min 7 / 12	PH 9.5	CA PPM 0	CL PPM 31000	
	FL Temp 150	Cake HTHP 2	Cake API 1	Water Vol. % 85	Oil Vol. % 0	Solids Vol. % 15	Sand Vol. % 0	% LGS 4.73	MBT 6	Mud type NCPOL	Water Well # UTMN-987, UTMN-3517		

	150	2	1	85	0	15	0	4.73	6	NCPOL	UTMN-987, UTMN-3517
MUD TREATMENT	BARITE	BCTRН	FLO-TROL	ME-LUBE	S-SEAL M	CAUST	NACL	GEM-GP			
	3(5000L)	3(5GL)	27(50LB)	1(55GL)	36(50LB)	11(50LBP)	1(2200L)	10(55GL)			

Foot	Feet	Wt/ft	lb/in	Flow	g/min	DC	Lub	S	Pressure	SI. M.	Oct Vol	SI. V.	SI. A.	SI. A.	SI. V.
		50	100							3200	810	201	87.94	108.04	198
Float		Y													
BHA Hrs:		164.5													
String Wt.	Pick Up	Slack Off		Rot. Torque		Jars:		/	164.5		Shock Sub:	/	Mud Motor:	/	164.5
420	425	418		12000		Serial #/Hrs		/							
Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class		Serial #	
1	Bit	SMT	16	1	16	0	1.62	7-5/8 REG		0				SM2607	
2	Mud Motor	CDS	9.5	1	15.75	3	31.68	7-5/8 REG	7-5/8 REG	213				11253631897	
3	Float Sub	CDS	9.5	1	9.5	3	3.6	7-5/8 REG	7-5/8 REG	213				FS-950-02	
4	Roller Reamer	RIG	16	1	16	3	8.92	7-5/8 REG	7-5/8 REG	213				528-4-3-335	
5	Drillcollar	RIG	9.5	1	9.5	3	29.47	7-5/8 REG	7-5/8 REG	213					
6	Roller Reamer	RIG	16	1	16	3	8.89	7-5/8 REG	7-5/8 REG	213				528-4-3-334	
7	PBL (Multiple Activation By Pass)	SAM	9.5	1	9.5	3.4	9.2	7-5/8 REG	7-5/8 REG	213				WES950BP325	
8	Drillcollar	RIG	9.5	12	9.5	3	359.41	7-5/8 REG	7-5/8 REG	213				ONFILE	
9	Hydraulic Jar	NPC	9.5	1	9.5	3	33.28	7-5/8 REG	7-5/8 REG	213				950-0009	
10	Drillcollar	RIG	9.5	2	9.5	3	60.89	7-5/8 REG	7-5/8 REG	213				ONFILE	
11	Crossover	RIG	9.5	1	9.5	3	2.54	6-5/8 REG	7-5/8 REG	213				NAT4854-06	
12	Drillcollar	RIG	8.5	6	8.5	2.875	181.19	6-5/8 REG	6-5/8 REG	169					
13	Crossover	RIG	8.5	1	8.5	2.687	2.62	6-5/8 FH	6-5/8 REG	169				NAP4854-04	
14	Heavy Weight Drillpipe (HWDP)	RIG	6.625	9	6.625	4.375	279	6-5/8 FH	6-5/8 FH	71.97				ONFILE	
15	Crossover	RIG	8.5	1	8.5	3	3.02	XT-54	6-5/8 FH	71.97				60477	
16	Heavy Weight Drillpipe (HWDP)	RIG	5.5	9	5.5	3.25	270.83	XT-54	XT-54	59.51				ONFILE	
17	Drillpipe	RIG	5.5	262	5.5	4	31	XT-54	XT-54	26.73				ONFILE	

Miscellaneous	BOP Test <b>02/17/2023</b>	BOP Drills <b>17-FEB-2023</b>	Wind <b>NORMAL</b>	Sea <b>N/A</b>	Weather <b>COLD</b>	DSLTA <b>5476</b>	Safety Meeting <b>2 EA</b>	
	Real-Time Data Quality	Sensors Quality	100%	Data Frequency	100%	Real-Time Hrs	10.74/24 hrs	

Personnel and Services Information	COMPANY	SBT	SUW	CDS	RIG	EMC	SNS	NPC	HMS	RIG	ARM	OTH	OTH	ARM	SAM	WDV	BCM	BCR	Total 92
	CATEGORY	BITS	CTRG	DPDS	RIG	DFMS	H2S	JST	MLS	OTHR	OTHR	RENT	VAC	WSC	WBCS	DV	PCS	CSR	
	NO. OF PERSONS	1	14	2	41	2	1	0	2	10	3	3	1	2	0	1	5	4	
	OPERATING HRS.	24	0	24	24	24	24	24	0	0	24	24	10	24	24	0	0	0	
	ON LOCATION HRS.	24	24	24	24	24	24	0	24	24	24	24	24	0	12	12	12		

Trucks/Boats Standby/Tankers 18-514

<b>AB-5124</b>							
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>272</b>	Barite- SX <b>146</b>	Bentonite - SX <b>121</b>	Cement G- SX <b>5500</b>	

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>SDGM-1256 (K2 S-SHAPE WELL DESIGN TARGETING JAUF RESERVOIR)</b> Charge #: <b>(66- 21054- 1256)</b> #: Wellbores: (0) SDGM_1256_0	Rig <b>ADC- 41L</b>	Foreman(s) <b>PEARSON, DEREIK WAYNE/ ALSHAMMARI, HAMED MUZIL / GHAMDI, ABDULRAHMAN SAAD/ ZAHRANI, NAWAF MOHAMMED</b>		
		RIG FORMAN VSAT <b>THURAYA +8821677711179 577 3998</b>	OTHER VSAT <b>SLB 013 664 8810 FCT - 577 3935 ADC - 013 829 7741</b>	OTHER VSAT <b>577 3574</b>	CONTRACTOR/CLERK VSAT

Depth	Last 24 hr operations			Next 24 hr plan			Location			Days Since Spud/Comm (Date)		Formation tops						
<b>15760</b>	<b>DRILLED AHEAD 5-7/8" HOLE TO 15,760 FT</b>			<b>DRILL AHEAD 5-7/8" HOLE TO +/- 16,111 FT (200 FT TVD INTO TWLF)</b>			<b>93.26 KM FROM DMG</b>			<b>91.2 (11/28/2022@0000)</b>		<b>BKDC 13922 63 FT TVD DEEPER THAN PROGNOSIS (14,692 FT MD)</b>						
<b>15505</b>										<b>PKFU 13972 62 FT TVD DEEPER THAN PROGNOSIS (14,742 FT MD)</b>		<b>UNZC 14022 30 FT TVD DEEPER THAN PROGNOSIS (14,791 FT MD)</b>						
<b>15505</b>										<b>PUZU 14254 85 FT TVD DEEPER THAN PROGNOSIS (15,023 FT MD)</b>		<b>JAUF 14501 8 FT TVD DEEPER THAN PROGNOSIS (15,271 FT MD)</b>						
Prev. Depth	Liner Size			TOL			MD			TVD		Last Csg Size	MD	TVD	Footage	Circ %	100	
	<b>7</b>			<b>12711</b>			<b>14503</b>			<b>13736</b>		<b>9 5/8</b>	<b>1321912451</b>	<b>255</b>				
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations					
10.2	0500 - 1515	0	5 7/8	N	DRLG	D	TDS	RIG	15505	15575	Start	End	Start	End	DRILLED 5-7/8" HOLE SECTION WITH ROT-MWD BHA FROM 15,505 FT TO 15,575 FT. WITH CONTROLLED ROP < 10 FT/HR TO BRING BACK DEVIATION TO VERTICAL - WOB: 15 KLBS MAX, RPM: 100, TQ: 8-11.5 KFT-LBS. - FLOW: 220 GPM, PRESS: 1,620 PSI. - MW IN/OUT: 88 PCF OBM, NO LOSS/GAIN. - FOLLOWED IDS CONNECTION PRACTICES. - ADDED HOURLY CHEMICAL BRIDGING ADDITIONS AND PUMPED 20 BBLS BRIDGING PILL EVERY STAND - PERFORMED FLOW CHECK ON EVERY CONNECTION. - AVG ROP: 7 FT/HR.			
00.5	1515 - 1545	0	5 7/8	N	DRLG	RR	TDS	RIG	15575	15575			RIG SERVICE - SERVICE TDS					
13.2	1545 - 0500	0	5 7/8	N	DRLG	D	TDS	RIG	15575	15760			DRILLED 5-7/8" HOLE SECTION WITH ROT-MWD BHA FROM 15,575 FT TO 15,760 FT. - WOB: 19 KLBS, RPM:100, TQ: 8-11.5 KFT-LBS. - FLOW: 220 GPM, PRESS: 1,620 PSI. - MW IN/OUT: 88 PCF OBM, NO LOSS/GAIN. - FOLLOWED IDS CONNECTION PRACTICES. - ADDED HOURLY CHEMICAL BRIDGING ADDITIONS AND PUMPED 20 BBLS BRIDGING PILL EVERY STAND - PERFORMED FLOW CHECK ON EVERY CONNECTION. - AVG ROP: 14 FT/HR. - LAST SURVEY DEPTH 15,614 FT MD, 14,483 FT TVD. INC - 4.44 DEG.					

SDGM-1256: PLANNED TO BE DRILLED AS AN S-SHAPE WELL TARGETING JAUF RESERVOIR IN SHEDGUM FIELD AND WILL BE COMPLETED WITH 4-1/2" 15K CEMENTED LINER.

=====ARAMCO PERSONNEL=====  
 >> ABDULLAH ALABDULSALAM # 8450094 MATERIAL EXPEDITOR ON LOCATION 02/15/2023.

=====IDS PERSONNEL=====  
 >> IDS SUPERVISORS: DAY: GANESH NAYAK, NIGHT: NIRAV PATHAK  
 >> HSE: ALI

=====ADC PERSONNEL=====  
 >> TOOL PUSHER: HADI ABDULA AHMED ALABOOD  
 >> NIGHT PUSHER: MOHAMED SALAHELDIN RAGAB ABDELMAWGOD

=====SAFETY=====  
 DISCUSSED ARAMCO DAILY SAFETY TOPIC - EQUIPMENT GROUNDING  
 REVIEWED ADC SAFETY ALERT FOOT INJURY DURING RIG MOVE  
 DISCUSSED ARAMCO LEM COLOR CODING SCHEDULE- WHAT IT IS, WHAT IT MEANS, WHAT TO WATCH FOR.  
 REVIEW GENERATED STOP CARDS WITH CORRECTIVE ACTION TAKEN.  
 DISCUSSED LINE OF FIRE, STOP WORK AUTHORITY , RISK & HAZARD EVALUATION.  
 OPERATIONS HIGHLIGHTED BY ARAMCO FOREMAN, IDS WSL, ADC RS.

AUDITS:  
 1ST 2023 SLB QSI INSPECTION TOTAL 28 (OPEN 14 CLOSED 14).

NEAR MISS: N/A

DRILLS: FIRE PUMP DRILL X2, PIT DRILL X2

INSPECTIONS: THIRD PARTY LIFTING GEAR INSPECTION AND COLOR CODING TO BLUE ON GOING, FALL ARRESTOR INSPECTION

=====DAILY DIESEL CONSUMPTION=====  
 >>DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP)  
 >>DAILY RIG: 36 BBLS.  
 >>DAILY CAMP: 5 BBLS.  
 >>DAILY LIGHT TOWER: 1 BBLS.  
 >>DAILY ENGINE CONSUMPTION TOTAL: 42 BBLS.

=====VACUUM TANKERS=====  
 COMPANY: AL-FUWAILEH EST: DRSS# 1003829501 / 1003829509, OBM: DRSS# 1003845252

VACUUM TANKERS:  
 NONE.

>> TOTAL DAILY LOADS - 0

>> TOTAL LOADS FOR FEB - 115

>> TOTAL LOADS FOR WELL - 356

=====NEXT WELL=====

NEXT WELL - SDGM-1257 - 90% AS PER WELLSITE ENG. 02/15/2023.

WATER WELLS - SDGM-806/807

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD		N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS																					
0	15614		4.44	276.43		95		14843.02		3323.13			959.92			3323.13	0.52																					
0	15519		4.05	272.24		49		14748.28		3322.59			966.93			3322.59	0.58																					
0	15470		3.99	276.17		46		14699.4		3322.34			970.35			3322.34	0.27																					
MUD DATA	Weight 88 PCF	Funnel Vis. 52 SEC	Filtrate(WL) 2.2 HTHP	Filtrate (WL) API	PV 21	YP 11	700 Volts		Electrical Stability	3/6 RPM 5 / 6	Gels Sec/Min 6 / 8	PH		CA PPM		CL PPM 33000																						
	FL Temp 133	Cake HTHP 1	Cake API 0	Water Vol. % 15.5	Oil Vol. % 63.5	Solids Vol. % 21	Sand Vol. %		% LGS	MBT		Mud type		Water Well #		SDGM-997, SDGM-908																						
	Weight 88 PCF	Funnel Vis. 53 SEC	Filtrate(WL) 2.4 HTHP	Filtrate (WL) API	PV 21	YP 10	Electrical Stability		3/6 RPM 680 Volts	Gels Sec/Min 5 / 6	Gels Sec/Min 6 / 8	PH		CA PPM		CL PPM 33000																						
	FL Temp 132	Cake HTHP 0	Cake API 0	Water Vol. % 16.5	Oil Vol. % 63	Solids Vol. % 20.5	Sand Vol. %		% LGS	MBT		Mud type		Water Well #		SDGM-997, SDGM-908																						
MUD TREATMENT																																						
BIT DATA	Bit Number 12	IADC M432	Size 5.875	Manufacturer SMT	Serial Number QF8444	Type MDSI713V2C	Jets / 3 X 13 /	TFA 0.389	MD In 15002	MD Out 15760																												
	Feet 19	Hours 100	WOB RPM	I-Row O-Row	DC Loc	B G	Pressure GPM	Jet Vel DP Av	DC Av	Bit HHP 46																												
	String Wt. 349	Pick Up 395	Slack Off 311	Rot. Torque 10100				Jars: Serial #/Hrs				/	64	Shock Sub:				/	Mud Motor:	/																		
DRILL STRING	Order 1	Component Bit		Provider SMT	Nominal Size 5.875	# Joints 1	OD Size 5.875	ID Size 0.68	Length 3.5 REG																			QF8444										
	2	Near Bit Stab.		SDM	5.75	1	4.75	2.25	5.13	3.5 IF	3.5 IF																	PST7462										
	3	Pony Collar		SDM	4.75	1	4.75	2.375	29.99	3.5 IF	3.5 IF																	410										
	4	Stabilizer		SDM	5.75	1	4.75	2.25	4.87	3.5 IF	3.5 IF																	7462										
	5	Saver Sub		SDM	4.75	1	4.75	2.25	0.92	3.5 IF	3.5 IF																	E0453-1										
	6	Measurement While Drilling (MWD)		SDM	4.75	1	4.75	3.25	30.32	3.5 IF	3.5 IF																	G6935										
	7	Saver Sub		SDM	4.75	1	4.75	2.25	1.5	3.5 IF	3.5 IF																	36839										
	8	Stabilizer		SDM	5.75	1	4.75	2.25	5.14	3.5 IF	3.5 IF																	4646										
	9	Non Magnetic Drill Collar ( NMDC )		SDM	4.75	1	4.75	2.25	15.75	3.5 IF	3.5 IF																	V1322										
	10	Float Sub		SDM	4.75	1	4.75	2	1.9	3.5 IF	3.5 IF																	338770										
	11	Filter Sub		SDM	4.75	1	4.75	3	6.33	3.5 IF	3.5 IF																	475-1057										
	12	Drillcollar		RIG	4.75	20	4.75	2.375	602.51	3.5 IF	3.5 IF																	RIG										
	13	Hydraulic Jar		SJS	4.75	1	4.75	2.25	30.1	3.5 IF	3.5 IF																	107450A										
	14	Drillcollar		RIG	4.75	3	4.75	2.375	90.35	3.5 IF	3.5 IF																	RIG										
	15	Crossover		RIG	4.75	1	4.75	2	2.36	XT 39	3.5 IF																	907										
	16	Heavy Weight Drillpipe (HWDP)		RIG	4	9	4	2.563	275.35	XT 39	XT 39																	RIG										
	17	Drillpipe		RIG	4	90	4	2.687	2843.99	XT 39	XT 39																	RIG										
	18	Crossover		RIG	6	1	6	2.78	2.02	XT 54	XT 39																	3581-1										
	19	Drillpipe		RIG	5.5	1	5.5		30	XT 54	XT 54																	RIG										
Miscellaneous	BOP Test		BOP Drills		Wind		Sea		Weather		DSLTA		Safety Meeting																									
	02/17/2023		02/24/2023		NA		NA		SEASONAL		2 X DAILY																											
Real-Time Data Quality		Sensors Quality		89%		Data Frequency		100%		Real-Time Hrs		10.98/24 hrs																										
Personnel and Services Information	COMPANY		SBT	SUW	SDM	RIG	SMI	MJH	MSI	SJS	BR1	SGR	TK3	RIG	ARM	MI2	TK3	ARM	MIF									Total 87										
	CATEGORY		BITS	CTRGS	DPDS	RIG	DFMS	SEC	ISPCT	JST	MLS	MLS	OTHR	OTHR	OTHR	SCS	WSC	WSC	FILT									Total 87										
	NO. OF PERSONS		0	15	1	38	2	4	3	0	0	2	4	12	1	0	2	1	2									Total 87										
	OPERATING HRS.		24	0	24	24	24	0	12	24	24	24	24	24	12	24	24	24	0									Total 87										
	ON LOCATION HRS.		0	24	24	24	24	24	0	0	24	24	24	24	0	24	24	24	16									Total 87										
	Standby/Tankers		ARAMCO PICKUP AB-7104		RIG AMBULANCE																																	

Date	Well No (Type) :	Rig	Foreman(s)
MONDAY 02/27/2023	<b>SDGM-1270</b> (MK1 SINGLE LATERAL WELL ACROSS KHUFF-B RESERVOIR.) Charge (66- 22054- #: 1270) Wellbores: (0) SDGM_1270_0	<b>ADC-42L</b>	<b>BOUBENIA, ALI/ OTHMAN, SULTAN SALMAN/ GHAMDI, ABDULRAHMAN SAAD/ SIMAMORA, ALFIAN/ OMRAN, MOHAMMAD JAFFAR</b>
		TURAYA	RIG FORMAN VSAT <b>008821677711726</b> <b>013 577 3983</b>
		OTHER VSAT <b>013 880 6662 (SLB)</b>	OTHER VSAT <b>013 577 3936 (FCT)</b>
		CONTRACTOR/CLERK VSAT <b>013 577 3579 (RIG CLERK)</b>	

Depth	Last 24 hr operations						Next 24 hr plan						Location			Days Since Spud/Comm (Date)			Formation tops			
Prev. Depth	Liner Size			TOL			MD			TVD			Last Csg Size	MD	TVD	Footage			28' DEEPER (TVD)			
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations							
									Start	End	Start	End										
02.0	0500 - 0700 0	5 7/8	N	DRLG	TI		STDP	RIG	18194	18194	9400	12028	STUK	908847	RIH 5-7/8" CLEAN OUT ASSEMBLY ON 5-1/2" DP'S - FILL STRING EVERY 25 STANDS. - MONITOR WELL ON TRIP TANK - OK.							
03.0	0700 - 1000 0	5 7/8	N	DRLG	RW	BIT	RIG		18194	18194	12028	12650	STUK	908847	WASH DOWN FROM 12,028 FT TO 12,560 FT. - C/O CEMENT SHEATH & CONTAMINATED CEMENT FROM 12,300 FT TO 12,650 FT. - SWEEP HOLE EVERY STD WITH 30 BBL HVP.							
02.5	1000 - 1230 0	5 7/8	N	DRLG	DC	TDS	RIG		18194	18194	12560	12742	STUK	908847	DRILL OUT HARD CEMENT - OBSERVE MEDIUM HARD FROM 12,575 FT TO 12,675 FT. - OBSERVE HARD CEMENT FROM 12,675 FT TO 12,742 FT. - SWEEP HOLE EVERY STD WITH 30 BBL HVP.							
00.0	1230 - 1230 0	5 7/8	S	OT	PBA	NA	RIG		12742	12742					PLUG BACK TD							
02.0	1230 - 1430 0	5 7/8	N	DRLG	CIRC	MPMP	RIG		12742	12742					STUK	908847	SCRAPE 7" CASING ACROSS WHIPSTOCK SETTING DEPTH 12,639' - WORK STRING 50 FT ABOVE & BELOW WHIPSTOCK SETTING DEPTH. - MEANWHILE SWEEP HOLE WITH 30 BBL HVP & CHC. - FR: 420 GPM, SPP: 2,550 PSI. - TOP OF SCRAPER TO BIT 53 FT.					
01.0	1430 - 1530 0	5 7/8	N	DRLG	PTST	MPMP	RIG		12742	12742					STUK	908847	PRESSURE TEST CEMENT PLUG TO 125 PCF EMW. - APPLY 3,350 PSI SURFACE PRESSURE FOR 15 MINS - OK. - SLACK OFF 10 KLBS ON TOC, CEMENT INTEGRITY - OK.					
00.2	1530 - 1545 0	5 7/8	N	DRLG	OTH	NA	RIG		12742	12742					STUK	908847	FLOW CHECK - WELL STATIC. - SLUG PIPE.					
05.0	1545 - 2045 0	5 7/8	N	DRLG	TO	STDP	RIG		12742	12742	12742	3185	STUK	908847	POOH C/O ASSEMBLY - MONITOR WELL ON TRIP TANK - OK.							
00.5	2045 - 2115 0	5 7/8	N	DRLG	HT	PEL	RIG		12742	12742					STUK	908847	CHANGE DRILL PIPE HANDLING GEARS FROM 5-1/2" DP TO 4".					
01.0	2115 - 2215 0	5 7/8	N	DRLG	TO	STDP	RIG		12742	12742	3185	637	STUK	908847	POOH C/O ASSEMBLY FROM 3,185 FT TO 637 FT. - MONITOR WELL ON TRIP TANK - OK.							
00.2	2215 - 2230 0	5 7/8	N	DRLG	OTH	NA	RIG		12742	12742					STUK	908847	FLOW CHECK - WELL STATIC.					
02.5	2230 - 0100 0	5 7/8	N	DRLG	HT	BHA	RIG		12742	12742					STUK	908847	L/D CLEAN OUT ASSEMBLY. - L/D 3 SINGLES OF 4" HWDP'S. - DRILLING JAR. - L/D 7" MAGNETS. - B/O BIT, BIT CONDITION 1-1-WT-F-A-FE-LT-BHA. - RETRIEVED 1 KG OF SHAVING FROM MAGNET - MONITOR WELL ON TRIP TANK - OK.					
00.5	0100 - 0130 0	5 7/8	N	DRLG	OTH	NA	RIG		12742	12742					STUK	908847	GENERAL HOUSEKEEPING ON RIG FLOOR.					
00.5	0130 - 0200 0	5 7/8	N	WH	RTRV	WBSH	RIG		12742	12742							RETRIEVE WEAR BUSHING.					
00.5	0200 - 0230 0	5 7/8	N	WH	OTH	NA	IWS		12742	12742							JET WASH WELL HEAD PROFILE.					
00.5	0230 - 0300 0	5 7/8	N	BOP	PJSM	BOP	RIG		12742	12742							HELD PJSM PRIOR TO PRESSURE TEST 13-5/8" BOP STACK. - DISCUSS RELATED HAZARDS AND RISKS.					
01.0	0300 - 0400 0	5 7/8	N	KILL	OTH	NA	RIG		12742	12742							MU TEST PLUG & TEST ASSEMBLY. - RIH 3 STANDS BELOW TEST PLUG.					
01.0	0400 - 0500 0	5 7/8	N	BOP	BOPT	BOP	RIG		12742	12742							PRESSURE TEST 13-5/8" 10M BOP STACK AS PER ARAMCO STANDARDS ... ON GOING					

#### Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
06 Feb 0600 - 0130	20.5	502	908847		STUK	STBH	BHA	TK3	16530	OBSERVED 27 KLBS OVERPULL AT 16530 FT, SLACK OFF STRING AND GOT FREE. CONNECTED TDS IMMEDIATELY AND TRIED TO ROTATE STRING - STRING STUCK

#### =WELL OBJECTIVE=====

SDGM-1270 IS PLANNED TO BE DRILLED AS MK1 SINGLE LATERAL WELL ACROSS KHUFF-B RESERVOIR IN THE MAXIMUM HORIZONTAL STRESS DIRECTION AND WILL BE COMPLETED WITH 15K MSF. THE WELL IS OUT OF SHALLOW GAS BOUNDARY/AREA NO INTER FACILITY. EMERGENCY RESPONSE PLAN (ERP) IS REQUIRED AS NO FACILITIES ARE WITHIN 30 PPM RADIUS.

#### ===== ARAMCO PERSONNEL =====

> ARAMCO MATERIAL EXPEDITOR SULTAN, ALARJANI #8531118 OFF LOCATION  
 > ARAMCO FCT #796651, INAD ALYAN ON LOCATION.  
 > ARAMCO OE ENG AWAD ABU-ALAHAM #790472 OFF LOCATION.  
 > ARAMCO MATERIAL CLERK TURKI M ADKALI #776200 OFF LOCATION

#### ===== IDS PERSONNEL =====

> IDS SUPERVISORS DAY: ILGAR NIGHT: MOHAMMED OSMAN.

#### ===== ARAMCO SERVICES PERSONNEL =====

>

#### ===== RIG VISIT =====

> ADC-42L RIG MANAGER HAMZA KHALIL LAST VISIT ON 2/21/2023.  
 > SLB IWC PROJECT MANAGER MAKSIM ANTONOV LAST VISIT ON 02/14/2023.  
 > SLB IWC RIG SUPT. MURTADA ATA LAST VISIT ON 02/19/2023.

#### ===== HSE =====

TOTAL STOP CARDS ENTERED IN THE REPORT: 45 (14 SUBSTANDARD ACT, 15 SUBSTANDARD CONDITIONS, 16 POSITIVE HSE CULTURE)

- DISCUSSED ABOUT LINE OF FIRE AND PINCH POINTS
- EMPHASIZE THE IMPORTANCE OF PRE-USE CHECKS OF TOOLS AND EQUIPMENT'S.
- GDD SAFETY TOPIC FOR THE DAY- ELECTRICAL SAFETY
- REVIEWED GENERATED STOP CARDS/TOFS/SWD OF THE DAY WITH CORRECTIVE ACTION.
- HIGHLIGHTED OPERATION WITH ROLES & RESPONSIBILITIES AS PER SWI

**TOFS:**

AT 09:27, DURING INSPECTION FOR SMOKE DETECTORS, STOP WORK AUTHORITY HAS BEEN APPLIED BY ASST DRILLER DUE TO ELECTRICIAN PUT LADDER ON UN EVEN SURFACE. TIME OUT FOR SAFETY HAS BEEN CONDUCTED WITH ALL TEAM INVOLVED IN THE JOB TO DISCUSS ABOUT HAZARDS AND TOLD HIM TO PLACE LADDER ON PROPER PLACE BEFORE START THE JOB.

===== NEAR MISSES =====

> ===== DRILLS =====

> 1 X H2S DRILL + 1 X BOP DRILL.

===== DIESEL CONSUMED F/ OBM =====

> TOTAL CALCULATED AMOUNT ON BBL IS 2,289 BBL, IN LITERS IS 363,951 LTR WHICH WILL BE 11 LOADS. TOTAL RECEIVED 11 LOADS (32000 LTR), REMAINING 0 LOADS.

===== AUDITS =====

>2022, 1ST QSI AUDIT 35 ITEMS 0 OPEN, 35 CLOSED

>2022, 2ND RSI: 24 ITEMS, CLOSED: 24, OPEN: 0.

>2022, 1ST WCI: 07 ITEMS, CLOSED: 07, OPEN: 0.

>2022, 1ST HAZCOM ASSESSMENT: 92%

===== NEXT LOCATION =====

> SDGM-1182. THE LOCATION IS 90% READY

===== ERP =====

> ===== VACUUM TANKERS AND CONSTRUCTION EQUIP =====

> 04 VACUUM TRUCKS.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLLength		TVD		N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS
MUD DATA	Weight <b>84</b>	PCF	Funnel Vis. <b>68</b>	Filtrate(WL) <b>2</b>	Cake HTHP	Filtrate (WL) API	PV <b>35</b>	YP <b>14</b>	Electrical Stability <b>547</b>	Volts	3/6 RPM <b>5 / 6</b>	Gels Sec/Min <b>7 / 11</b>	PH	CA PPM		CL PPM	
	FL Temp <b>0</b>		Cake API			Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS		MBT		Mud type	Water Well #		
	Weight <b>84</b>	PCF	Funnel Vis. <b>67</b>	Filtrate(WL) <b>2</b>	Cake HTHP	Filtrate (WL) API	PV <b>33</b>	YP <b>14</b>	Electrical Stability <b>559</b>	Volts	3/6 RPM <b>5 / 6</b>	Gels Sec/Min <b>6 / 10</b>	PH	CA PPM		CL PPM	
	FL Temp <b>0</b>		Cake API			Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS		MBT		Mud type	Water Well #		
MUD TREATMENT																	
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out						
	<b>10</b>	<b>447</b>	<b>5.875</b>	<b>SMT</b>	<b>RP1220</b>	<b>XR15T</b>	<b>/</b>	<b>18194</b>	<b>18194</b>								
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP	
DRILL STRING	Float	<b>Y</b>															
	BHA Hrs:																
	String Wt.	Pick Up	Slack Off		Rot. Torque				Jars: Serial #/Hrs		/ <b>0</b>	Shock Sub:			/	Mud Motor:	/
	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #			
	<b>1</b>	<b>Bit</b>	<b>SMT</b>	<b>5.875</b>	<b>1</b>	<b>5.875</b>		<b>0.64</b>	<b>3 1/2 REG</b>					<b>RP1220</b>			
	<b>2</b>	<b>Bit Sub</b>	<b>RIG</b>	<b>4.687</b>	<b>1</b>	<b>4.687</b>		<b>3.95</b>	<b>3 1/2 IF</b>	<b>3 1/2 REG</b>				<b>1438039-01</b>			
	<b>3</b>	<b>String Mill</b>	<b>MIW</b>	<b>5.875</b>	<b>1</b>	<b>5.875</b>	<b>2.06</b>	<b>5.83</b>	<b>3 1/2 IF</b>	<b>3 1/2 IF</b>				<b>RAC309</b>			
	<b>4</b>	<b>Drillcollar</b>	<b>RIG</b>	<b>4.625</b>	<b>1</b>	<b>4.625</b>	<b>2.375</b>	<b>29.56</b>	<b>3 1/2 IF</b>	<b>3 1/2 IF</b>							
	<b>5</b>	<b>Crossover</b>	<b>RIG</b>	<b>4.937</b>	<b>1</b>	<b>4.937</b>	<b>2.625</b>	<b>3.05</b>	<b>XT39</b>	<b>3 1/2 IF</b>				<b>14842-25</b>			
	<b>6</b>	<b>Scraper</b>	<b>MIW</b>	<b>5</b>	<b>1</b>	<b>5</b>	<b>2.687</b>	<b>10.43</b>	<b>XT39</b>	<b>XT39</b>				<b>SPS7643</b>			
	<b>7</b>	<b>String Magnet</b>	<b>MIW</b>	<b>6</b>	<b>1</b>	<b>6</b>	<b>2.375</b>	<b>11.92</b>	<b>XT39</b>	<b>XT39</b>				<b>B2010995</b>			
	<b>8</b>	<b>String Magnet</b>	<b>MIW</b>	<b>6</b>	<b>1</b>	<b>6</b>	<b>2.375</b>	<b>11.99</b>	<b>XT39</b>	<b>XT39</b>				<b>B2010997</b>			
	<b>9</b>	<b>Heavy Weight Drillpipe (HWDP)</b>	<b>RIG</b>	<b>4</b>	<b>11</b>	<b>4</b>	<b>2.56</b>	<b>338.36</b>	<b>XT39</b>	<b>XT39</b>							
	<b>10</b>	<b>Hydraulic Jar</b>	<b>SRT</b>	<b>5</b>	<b>1</b>	<b>5</b>	<b>2.375</b>	<b>29.97</b>	<b>XT39</b>	<b>XT39</b>				<b>O231KA</b>			
	<b>11</b>	<b>Heavy Weight Drillpipe (HWDP)</b>	<b>RIG</b>	<b>4</b>	<b>3</b>	<b>4</b>	<b>2.56</b>	<b>91.57</b>	<b>XT39</b>	<b>XT39</b>							
	<b>12</b>	<b>Drillpipe</b>	<b>RIG</b>	<b>4</b>	<b>84</b>	<b>4</b>	<b>2.562</b>	<b>2648.25</b>	<b>XT39</b>	<b>XT39</b>							
	<b>13</b>	<b>Crossover</b>	<b>RIG</b>	<b>6.75</b>	<b>1</b>	<b>6.75</b>	<b>2.875</b>	<b>2.5</b>	<b>XT54</b>	<b>XT39</b>				<b>35811-1-2</b>			
	<b>14</b>	<b>Drillpipe</b>	<b>RIG</b>	<b>5.5</b>	<b>1</b>	<b>5.5</b>											
Miscellaneous	BOP Test <b>02/27/2023</b>	BOP Drills		Wind <b>SEASONAL</b>		Sea <b>N/A</b>	Weather <b>SEASONAL</b>		DSLTA		Safety Meeting <b>TWICE DAILY</b>						
	Real-Time Data Quality	Sensors Quality <b>82%</b>		Data Frequency <b>100%</b>		Real-Time Hrs <b>10.98/24 hrs</b>											
Personnel and Services Information	COMPANY	<b>SUW</b>	<b>RIG</b>	<b>SMI</b>	<b>SDM</b>	<b>TK3</b>	<b>RIG</b>	<b>ARM</b>	<b>SCM</b>	<b>OTH</b>	<b>TK3</b>	<b>ARM</b>					
	CATEGORY	<b>CTRG</b>	<b>RIG</b>	<b>DFMS</b>	<b>LWD</b>	<b>OTHR</b>	<b>OTHR</b>	<b>OTHR</b>	<b>PCS</b>	<b>VAC</b>	<b>WSC</b>	<b>WSC</b>					
	NO. OF PERSONS	<b>15</b>	<b>38</b>	<b>5</b>	<b>1</b>	<b>2</b>	<b>15</b>	<b>1</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>					Total <b>89</b>
	OPERATING HRS.	<b>0</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>24</b>	<b>24</b>					
	ON LOCATION HRS.	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>					
Trucks/Boats	Standby/Tankers																
	<b>PICK UP SA -AB#7105</b>																
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS		Fuel- BBLS <b>797</b>		Barite- SX <b>245</b>		Bentonite - SX <b>0</b>		Cement G- SX <b>600</b>							
REPAIR ASAP	Instrumentation								Other							Reporter	
	Computer, Communication & V-Sat Issues																
	<b>-THURAYA MOBILE BATTERY NEEDS CHANGE. -HUAWEI ESPACE 7910 DESK PHONE DEVICE AUDIO IS TOO LOW.</b>																

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>UTMN-2371 (K1 SINGLE LATERAL GAP WELL ACROSS KHUFF-C RESERVOIR)</b>	Rig <b>ADC- 43L</b>	Foreman(s) Engineer Superintendent <b>BOUGRISSA, MOHAMED CHARAF / ALDOUSSARI, TALAL ZAMEL / SIMAMORA, ALFIAN / SHAIKH, ALI JAFER</b>
	Charge (66- 22057-#: 2371) Wellbores: (0) UTMN_2371_0	THURAYA <b>008821677712579</b> 577-3910	RIG FORMAN VSAT <b>CLERK 577-3956</b> CONTRACTOR/CLERK VSAT <b>ADC 880-7879</b> CONTRACTOR/CLERK VSAT <b>IPM 880-7859</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>14914</b>	<b>CONT. RIH 5-7/8" RSS BHA ASSY, D/O S.TRK, DRILL 5-7/8" DIREC. HOLE DISPLACE HOLE TO 91 PCF OBM, FIT., DRILL SECTION TO +/- 21109 FT MD / 5-7/8" HOLE SECTION.</b>		<b>UTMN-2371</b>	<b>65.8 (12/23/2022@1000)</b>	<b>KFCC 13175 51' SHALLOWER</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>14833</b>	<b>7</b>	<b>10524</b>	<b>14828</b>	<b>13181</b>	<b>9 5/8</b>	<b>10828</b>	<b>10828</b>	<b>81</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations			
									Start	End				
01.8	0500 - 0645	0	8 3/8	N	DRLG	TI	SPDP	RIG	14833	14833	10875	11720	CONTINUED RIH 5-7/8 STANDALONE RSS BHA FROM 10,875 FT TO 11,720 FT ON 4" DP SINGLES. > FILL UP AND BREAK CIRCULATION EVERY 30 JTS (10 STD AFTER 10000 FT) > P/U 4" DP SINGLES. 243/243 JTS > MONITOR WELL WITH TRIP TANK & TRIP SHEET.	
01.5	0645 - 0815	0	8 3/8	N	DRLG	TI	STDP	RIG	14833	14833	11720	14685	RIH 5-7/8" DIRECTIONAL BHA (RSS ASSY) FROM 11,720 FT TO 14,685 FT ON 5-1/2" DP. > MONITOR WITH TRIP TANK & SHEET.	
00.8	0815 - 0900	0	8 3/8	N	DRLG	CIRC	MPMP	RIG	14833	14833			FILL-UP AND BROKE CIRCULATION AS PER D&M PROCEDURE FOR HIGH TEMPERATURE (TO COOL DOWN TOOL).	
00.5	0900 - 0930	0	8 3/8	N	DRLG	RR	TDS	RIG	14833	14833			PERFORMED RIG SERVICE ON TDS AND GREASE WASH PIPE.	
02.0	0930 - 1130	0	8 3/8	N	DRLG	RW	BIT	RIG	14833	14833	14685	14778	REAM-DOWN & RE-LOG WITH 5-7/8" DIRECTIONAL BHA FROM 14,685 FT TO 14,778 FT (TAG TOC 50 FT ABOVE 7" SHOE), WHILE DISPLACING WELL TO 91 PCF. OBM (RHELIANT), [ FR: 200 GPM ; SPP: 4200 PSI ]. > RE-LOG FROM 14,685 FT AS PER GOC REQUEST.	
01.5	1130 - 1300	0	8 3/8	N	DRLG	DC	TDS	RIG	14833	14833	14778	14833	DRILL-OUT CMT + 7" SHOE + RATHOLE FROM 14,778 FT TO 14,833 FT. > 7" LINER SHOE @ 14,828 FT. > OBSERVED CMT (SEMI-HARD TO HARD).	
01.0	1300 - 1400	0	5 7/8	N	DRLG	D	RSS	SDM	14833	14843			DRILLED 10 FT OF NEW FORMATION FROM 14,833 FT TO 14,843 FT. > MW= 91 PCF (OBM RHELIANT). > NO GAIN / LOSS.	
00.5	1400 - 1430	0	5 7/8	N	DRLG	CIRC	MPMP	RIG	14843	14843			CIRCULATED UNTIL MW = 91 PCF IN/OUT AND CLEAR SHAKER, [ FR: 240 GPM ; SPP: 2800 PSI ]. > DRESSED 7" SHOE SEVERAL TIMES. > RECORDED SCR AND PARAMETERS.	
01.0	1430 - 1530	0	5 7/8	N	DRLG	PTST	MPMP	RIG	14843	14843			PERFORMED FIT TO 110 PCF EMW WITH 1740 PSI SURFACE APPLIED PRESSURE. 15 MIN. TEST OK. > PUMPED / RETURNED VOLUME: 6.5 BBLS ; NO LOSS / GAIN.	
13.5	1530 - 0500	0	5 7/8	N	DRLG	D	RSS	SDM	14843	14914			DIRC. DLG WITH 5-7/8" RSS BHA ASSY W/LWD FROM 14,843 FT TO 14,914 FT. > AVG ROP= 5.2 FT/HR. > NO GAIN / LOSS. > DOWNLINK BY FR WHILE DRILLING.	

UTMN-2371 IS PLANNED AS A SINGLE LATERAL GAP WELL ACROSS THE KHUFF-C RESERVOIR WITH 15K MSF COMPLETION.

===== PERSONNEL ON LOCATION =====

>> IDS SUPERVISORS: DAY: ABDERRAZAK G; NIGHT: HUSSAIN.

>> ARAMCO FCT AHMED AL. HARBI #740732 ON LOCATION ON 02/15/2023.

>> AHMED ALSUBHI, MATERIAL EXPEDITOR ID# 8032991, ON LOCATION ON 02/15/2023.

===== THIRD PARTY PERSONNEL ON LOCATION =====

> NONE.

===== HSE =====

DISCUSSED: FOLLOWING TOPICS ARE DISCUSSED DURING PTSMS WITH BOTH CREWS:

1.GDD TOPIC: ELECTRICAL SAFETY

2.DISCUSSED LINE OF FIRE RISK AWARENESS AND USE OF STOP WORK AUTHORITY .

3.SHARE ADC HOUSEKEEPING CAMPAIGN ON GOING.

4.DISCUSS POWER POINT PRESENTATION EXPLAIN ELECTRICAL SAFETY AND SAFETY WORK COMPLIANCE.

5.OPERATIONAL HIGHLIGHTS DISCUSSED BY DRILLER, RS & WSL.

6.SAFETY CAPTAIN OBSERVATION.

> OBSERVATIONS: 15.

> NEAR MISS: NONE

> DRILLS: PIT, TRIP.

> INSPECTIONS: 1. DAILY GAS DETECTION INSPECTION. 2. WEEKLY CRANE INSPECTION, HAND TOOLS INSPECTION

===== EQUIPMENT ON LOCATION =====

> NONE.

=====VACUUM TANKERS=====

> DRSS# 1003807565, ENJAZ

> NONE.

=====RENTAL DOWNHOLE=====

> NONE.

=====OPTIMIZATION=====

> GDD COST OPTIMIZATION:

> KILL MUD: NONE.

=====OBM DIESEL=====

> TOTAL CALCULATED AMOUNT ON BBLS IS 2200 BBLS, IN LITERS IS 349800 LTR WHICH WILL BE 11 LOADS. TOTAL RECEIVED 11 LOADS (349800 LTR),

=====RIG MOVE=====

> NONE.

=====NEXT LOCATION=====

> HWYH-1267: 65% READY.

> WATER WELL: HWYH-906; HWYH-3506.

=====COST SAVINGS & OTHER IMPROVEMENTS=====

> WATER CONSERVATION:

- SPUDDED WELL WITHOUT FILLING THE WATER PIT UTILIZING THE WATER WELL DIRECT TO THE WATER TANKS.

=====RIG VISITS=====

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS			
MUD DATA	Weight <b>91</b>	PCF	Funnel Vis. <b>53</b>	SEC	Filtrate(WL) <b>2</b>	HTHP	Filtrate (WL) API	<b>24</b>	YP <b>5</b>	Electrical Stability <b>550</b> Volts	3/6 RPM <b>4 / 5</b>	Gels Sec/Min <b>5 / 7</b>	PH	CA PPM	CL PPM		
	FL Temp <b>175</b>		Cake HTHP <b>2</b>		Cake API <b>0</b>		Water Vol. %	<b>17</b>	Oil Vol. % <b>59</b>	Solids Vol. % <b>24</b>	Sand Vol. % <b>0.1</b>	% LGS	MBT	Mud type <b>RELIANT</b>	Water Well # <b>UTMN-738, UTMN-939</b>		
	Weight <b>91</b>	PCF	Funnel Vis. <b>53</b>	SEC	Filtrate(WL) <b>2</b>	HTHP	Filtrate (WL) API	<b>25</b>	YP <b>3</b>	Electrical Stability <b>550</b> Volts	3/6 RPM <b>3 / 3</b>	Gels Sec/Min <b>4 / 7</b>	PH	CA PPM	CL PPM		
	FL Temp <b>175</b>		Cake HTHP <b>2</b>		Cake API <b>0</b>		Water Vol. %	<b>17</b>	Oil Vol. % <b>59</b>	Solids Vol. % <b>24</b>	Sand Vol. % <b>0.1</b>	% LGS	MBT	Mud type <b>RELIANT</b>	Water Well # <b>UTMN-738, UTMN-939</b>		
MUD TREATMENT																	
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets		TFA	MD In	MD Out	TVD Out					
	<b>11</b>	<b>M432</b>	<b>5.875</b>	<b>SMT</b>	<b>QF7763</b>	<b>MDSI713V2C / 1 X 12 / 2 X 13 /</b>	<b>0.37</b>	<b>14833</b>	<b>14914</b>								
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP	
			<b>15</b>	<b>80</b>					<b>2750</b>	<b>240</b>	<b>209</b>	<b>1379.02</b>			<b>66</b>		
DRILL STRING	Float	<b>Y</b>															
	BHA Hrs:	<b>14.5</b>															
	String Wt.	Pick Up	Slack Off		Rot. Torque			Jars:		/	<b>14.5</b>		Shock Sub:	/	Mud Motor:		
	<b>261</b>	<b>265</b>	<b>252</b>		<b>3500</b>			Serial #/Hrs		/				/	/		
	Order	Component		Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
	<b>1</b>	Bit		<b>SMT</b>	<b>5.875</b>				<b>0.64</b>						<b>QF7763</b>		
	<b>2</b>	RSS		<b>SDM</b>	<b>5.25</b>	<b>1</b>	<b>5.25</b>	<b>1.25</b>	<b>14.77</b>	<b>NC38</b>	<b>3-1/2" REG</b>				<b>688832</b>		
	<b>3</b>	Float Sub		<b>RIG</b>	<b>5</b>	<b>1</b>	<b>5</b>	<b>2.25</b>	<b>2</b>	<b>NC38</b>	<b>NC38</b>				<b>338568</b>		
	<b>4</b>	Component Not listed		<b>SDM</b>	<b>4.75</b>	<b>1</b>	<b>4.75</b>	<b>2.5</b>	<b>9.13</b>	<b>NC38</b>	<b>NC38</b>				<b>8521387</b>		
	<b>5</b>	Measurement While Drilling (MWD)		<b>SDM</b>	<b>4.6</b>	<b>1</b>	<b>4.6</b>	<b>3.25</b>	<b>32.29</b>	<b>NC38</b>	<b>NC38</b>				<b>ZC794811</b>		
	<b>6</b>	Saver Sub		<b>SDM</b>	<b>5.625</b>	<b>1</b>	<b>4.8</b>	<b>2.25</b>	<b>1.48</b>	<b>NC38</b>	<b>NC38</b>				<b>NTS-30593</b>		
	<b>7</b>	Logging While Drilling (LWD)		<b>SDM</b>	<b>5.75</b>	<b>1</b>	<b>4.82</b>	<b>2.25</b>	<b>23.55</b>	<b>NC38</b>	<b>NC38</b>				<b>B1734</b>		
	<b>8</b>	Component Not listed		<b>SDM</b>	<b>4.75</b>	<b>1</b>	<b>4.75</b>	<b>2.25</b>	<b>7.41</b>	<b>NC38</b>	<b>NC38</b>				<b>B2010449</b>		
	<b>9</b>	Stabilizer		<b>RIG</b>	<b>5.5</b>	<b>1</b>	<b>4.81</b>	<b>2.81</b>	<b>4.79</b>	<b>NC38</b>	<b>NC38</b>				<b>5713</b>		
	<b>10</b>	Crossover		<b>RIG</b>	<b>4.875</b>	<b>1</b>	<b>4.8</b>	<b>2.562</b>	<b>3.45</b>	<b>XT-39</b>	<b>3-1/2 IF</b>						
	<b>11</b>	Heavy Weight Drillpipe (HWDP)		<b>RIG</b>	<b>4</b>	<b>5</b>	<b>4</b>	<b>2.625</b>	<b>154.33</b>	<b>XT-39</b>	<b>XT-39</b>						
	<b>12</b>	Hydraulic Jar		<b>SJS</b>	<b>4.75</b>	<b>1</b>	<b>4.75</b>	<b>2.25</b>	<b>29.89</b>	<b>XT-39</b>	<b>XT-39</b>				<b>41718K</b>		
	<b>13</b>	Heavy Weight Drillpipe (HWDP)		<b>RIG</b>	<b>4</b>	<b>3</b>	<b>4</b>	<b>2.625</b>	<b>91.7</b>	<b>XT-39</b>	<b>XT-39</b>						
	<b>14</b>	Drillpipe		<b>RIG</b>	<b>4</b>	<b>360</b>	<b>4</b>	<b>3.75</b>	<b>11344.83</b>	<b>XT-39</b>	<b>XT-39</b>						
	<b>15</b>	Crossover		<b>RIG</b>	<b>6.625</b>	<b>1</b>	<b>6.625</b>	<b>2.625</b>	<b>1.95</b>	<b>XT-54</b>	<b>XT-39</b>						
	<b>16</b>	Drillpipe		<b>RIG</b>	<b>5.5</b>	<b>1</b>	<b>5.5</b>			<b>XT-54</b>	<b>XT-54</b>						
Miscellaneous	BOP Test		Wind		Sea		Weather		DSLTA		Safety Meeting						
	02/23/2023		SEASONAL		N/A		SEASONAL		2 X DAILY								
Personnel and Services Information	Real-Time Data Quality		Sensors Quality		93%	Data Frequency		100%	Real-Time Hrs		10.98/24 hrs						
	COMPANY		<b>SBT</b>	<b>SUW</b>	<b>SDM</b>	<b>RIG</b>	<b>SMI</b>	<b>SJS</b>	<b>RIG</b>	<b>SGR</b>	<b>TK3</b>	<b>RIG</b>	<b>ARM</b>	<b>TK3</b>	<b>ARM</b>	<b>MIW</b>	
	CATEGORY		<b>BITS</b>	<b>CTRG</b>	<b>DPDS</b>	<b>RIG</b>	<b>DFMS</b>	<b>JST</b>	<b>MED</b>	<b>MLS</b>	<b>OTHR</b>	<b>OTHR</b>	<b>OTHR</b>	<b>WSC</b>	<b>WSC</b>	<b>WBCS</b>	
	NO. OF PERSONS		<b>0</b>	<b>14</b>	<b>2</b>	<b>41</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>10</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>1</b>	
	OPERATING HRS.		<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>24</b>	<b>12</b>	<b>0</b>	
	ON LOCATION HRS.		<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>		
Trucks/Boats	Standby/Tankers		<b>AB-5410</b>		<b>1 X ADC AMBULANCE</b>		<b>ADC PICKUP TRUCK</b>		<b>ADC SUV TRUCK</b>								
BULK	Drill Wtr.-BBLS		<b>1000</b>		<b>250</b>		<b>936</b>		<b>128</b>		<b>68</b>	<b>250</b>					
REPAIR ASAP	Instrumentation		Other		Computer, Communication & V-Sat Issues												Reporter

Date	Well No (Type) :	Rig	Foreman(s)
MONDAY 02/27/2023	KHRS-510 (CHANGE ESP) Charge #: (61- 22051- 0510) Wellbores: (0) KHRS_510_0	ADC-45	ALDULAIJAN, ABDULLAH KHALID / ELSHANAWANY, AHMED SALAH/ ABDULLATIF, KHALID ABDULLAH/ KHALDI, MOHAMMED SALEH
		THURAYA	RIG FORMAN VSAT
	008821677712153	(013)-578-4235	OTHER VSAT (013)-829-7745 RIG MGR (013)-829-7645 CLINIC

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
9631	CONT BULLHEAD WELL, POOH & L/D OLD ESP UPPER COMPLETION.	CONT POH & L/D ESP UPPER COMPLETION, RUN 8-1/2" C/O ASSY.	245 KM FROM DH MAIN GATE.	3.5 (02/23/2023 @ 1800)	
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %
9631	7	6142	7363	5431	9 5/8 6348 5400 0 75

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
02.0	0500 - 0700 0		N	DCOM	CIRC	MPMP	RIG		10176	10176			CONT BULLHEAD TCA 50 BBLS HI-VIS FOLLOWED BY 350 BBLS 63 PCF HEC WATER PUMPING RATE: 2.3 BPM/1375 PSI. - SWITCHED TO TBG & FLUSH TBG WITH 63 PCF HEC WATER. *DCCP*. - FLOW CHECK, 30 BPH LOSSES.
01.5	0700 - 0830 0		N	DCOM	CIRC	MPMP	RIG		10176	10176			POOH 13-5/8" X 5-1/2" CIW TBG HANGER ABOVE ROTARY TABLE. - SLB DISCONNECTED FLAT PACK CONTROL LINES FROM TBG HGR - BAKER CUT ESP CABLE & CHECK ELECTRICAL INTEGRITY TEST. - KEEP FILLING WELL FROM BACKSIDE WITH 63 PCF HEC WATER AT 60 BPM. LOSSES: 30 BPH.
00.5	0830 - 0900 0		N	DCOM	OTH	NA	ODJ		10176	10176			HPJSM, R/U ODFJELL POWER TONG & HANDLING EQUIPMENT. - KEEP FILLING WELL FROM BACKSIDE WITH 63 PCF HEC WATER AT 60 BPM. LOSSES: 30 BPH.
01.5	0900 - 1030 0		N	DCOM	HT	TBG	RIG		10176	10176			LD 5-1/2" LANDING JT, CIW TBG HANGER WITH 5-1/2" PUP JT & XO. - KEEP FILLING WELL FROM BACKSIDE WITH 63 PCF HEC WATER AT 60 BPM. LOSSES: 30 BPH.
03.5	1030 - 1400 0		N	DCOM	DTU	DRFT	OSL		10176	10176			HPJSM, RU OILSERV SL EQUIPMENT, PT LUBRICATOR TO 1500 PSI, HOLD. - RIH & SET 4-1/2" PUMP-THRU PLUG @ 4,480 FT- OK. (40 FT ABOVE PUNCH) - LD OILSERV SL EQUIPMENTS, LUBRICATOR & BOP. - KEEP FILLING WELL FROM BACKSIDE WITH 63 PCF HEC WATER AT 60 BPM. LOSSES: 30 BPH.
00.5	1400 - 1430 0		N	DCOM	CIRC	MPMP	RIG		10176	10176			FUNCTION TEST PTP BY FLUSHING TUBING WITH 63 PCF HEC WATER OK.
00.5	1430 - 1500 0		N	DCOM	HT	TBG	RIG		10176	10176			HPJSM, POOH WITH OLD ESP COMPLETION & LD 4-1/2" #11.6 J-55 NVAM TBG (9 JTS/112 TOTAL) - RU BAKER TOOLS AND SPOOLED ESP CABLE - REMOVED CABLE CROSS COUPLING FROM EVERY JT. - IMPLEMENTING NORM PROTECTION REQUIREMENT WHILE POOH. - KEEP FILLING WELL FROM BACKSIDE WITH 63 PCF HEC WATER AT 60 BPM. LOSSES: 30 BPH.
00.5	1500 - 1530 0		N	DCOM	OTH	NA	RIG		10176	10176			HPJSM, HANG UP & SECURED SLB FLAT PACK CONTROL LINES SHEAVE & BAKER ESP CABLE SHEAVE IN MAST. - KEEP FILLING WELL FROM BACKSIDE WITH 63 PCF HEC WATER AT 60 BPM. LOSSES: 30 BPH.
04.0	1530 - 1930 0		N	DCOM	HT	TBG	RIG		10176	10176			CONT POOH WITH OLD ESP COMPLETION & LD 4-1/2" #11.6 J-55 NVAM TBG (56 JTS/113 TOTAL) - REMOVED CABLE CROSS COUPLING FROM EVERY JT. - IMPLEMENTING NORM PROTECTION REQUIREMENT WHILE POOH. - KEEP FILLING WELL FROM BACKSIDE WITH 63 PCF HEC WATER AT 60 BPM. LOSSES: 30 BPH.
00.5	1930 - 2000 0		N	DCOM	WCNT	NA	RIG		10176	10176			FLOW CHECK AT MID-WAY. STATIC LOSSES. 30BPH.
04.0	2000 - 0000 0		N	DCOM	HT	TBG	RIG		10176	10176			CONT POOH WITH OLD ESP COMPLETION AND L/D 4-1/2" #11 J-55 NVAM TBG (113/113). - SPOOLED ESP CABLE AND REMOVED CABLE CROSS COUPLING FROM EVERY JT. - FLUSHED TBG VOLUME BEFORE L/D PTP JT. - RECOVERED ALL BANDS AND CLAMPS. - IMPLEMENTING NORM PROTECTION REQUIREMENT WHILE POOH. - KEEP FILLING WELL FROM BACKSIDE WITH 63 PCF HEC WATER AT 60 BPM. LOSSES: 30 BPH.
01.5	0000 - 0130 0		N	DCOM	HT	TBG	RIG		10176	10176			HPJSM, BAKER CUT CABLE & TOOK CABLE READING FROM ABOVE AND BELOW 9-5/8" ESP PKR ASSY. - L/D 9-5/8" OCTOPUS PKR ASSY. - IMPLEMENTING NORM PROTECTION REQUIREMENT WHILE POOH. - KEEP FILLING WELL FROM BACKSIDE WITH 63 PCF HEC WATER AT 60 BPM. LOSSES: 30 BPH.
03.5	0130 - 0500 0		N	DCOM	HT	TBG	RIG		10176	10176			HPJSM, L/D BAKER ESP MOTOR, PUMP ASSY, & HLWM STINGER. (IN PROGRESS) - L/D 7-5/8" POD CASING (04 JTS) - SPOOLED BACK SLB FLAT PACK CONTROL LINE - KEEP FILLING WELL FROM BACKSIDE WITH 63 PCF HEC WATER AT 60 BPM. LOSSES: 30 BPH.

ODF: + 2 FT.

- ARAMCO PERSONAL:

- MATERIAL EXPEDITOR MESHAL ALOTAIBI #8530519 ON LOCATION SINCE 2/19/2023.

- ARAMCO SAFETY ADVISOR SAMKUMAR RAMA CHELLA # 8563526 ON LOCATION SINCE 2/22/2023.

DIESEL CONSUMPTION:

- DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) = (DAILY: 29 BBL / CUMULATIVE FOR CURRENT WELL: 129 BBL).

RAW WATER TANKERS:

- AL-ASKER (1826, 1827) & ALJINAH (2951, 2967).

NEXT LOCATION:

- KHRS-472 KOM DONE ON 12/13/2022, STRIP OUT: 100 %, LOCATION: 100%.

- KHRS-459 KOM DONE ON 12/13/2022, STRIP OUT: 100 %, LOCATION: 90%.

- KHRS-217.KOM DONE ON 2/7/2023, STRIP OUT: 100 %, LOCATION: 60%

- KHRS-170.KOM DONE ON 2/12/2023, STRIP OUT: 100 %, LOCATION: 50%

- KHRS-118. NEED KOM.

- KHRS-309 KOM DONE ON 12/26/2022, STRIP OUT: 100 %, LOCATION: 100%.

- KHRS-564. NEED KOM.

- KHRS-199. NEED KOM.

- KHRS-89 KOM DONE ON 9/29/2022 STRIP OUT: 100 %, LOCATION: 90% \*\*\*PUSHED BY RMD\*\*\*.

- KHRS-391 KOM DONE ON 10/27/2022 STRIP OUT: 100 %, LOCATION: 0% (REQUIRED TO REMOVE FENCE SOUTH SIDE AND WEST SIDE).

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	API	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM
MUD DATA	63 PCF	50 SEC	0 HTHP	0 HTHP	0	0	0	0 Volts	0/0	0/0	10	0	1000
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	WATER	Water Well #	KHRS-806

	Weight <b>63</b> PCF	Funnel Vis. <b>50</b> SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability 0 Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>10</b>	CA PPM <b>0</b>	CL PPM <b>1000</b>			
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>100</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>0</b>	Sand Vol. % <b>0</b>	% LGS	MBT <b>0</b>	Mud type <b>WATER</b>	Water Well # <b>KHRS-806</b>				
MUD TREATMENT	HEC <b>20</b> (50LB)	XANPLEX-D CAUST <b>20</b> (50LB)													
BIT DATA															
DRILL STRING															
Miscellaneous	BOP Test <b>02/25/2023</b>	BOP Drills	Wind <b>SEASONAL</b>	Sea	Weather <b>NORMAL</b>	DSLTA <b>1658</b>	Safety Meeting <b>NORM PROTECTION WHILE POOH</b>								
			Real-Time Data Quality				No Transmission								
Personnel and Services Information	COMPANY	BAL	OCS	SUW	SCP	RIG	OES	PW	ARM	HSL	OSL	OTH	ARM	SAM	Total <b>99</b>
	CATEGORY	ALS	CSR	CTRG	ICE	RIG	DFMS	ISPCT	OTHR	SLS	SLS	VAC	WSC	WBCS	
	NO. OF PERSONS	6	3	15	3	54	1	4	2	1	3	4	2	1	
	OPERATING HRS.	20	20	0	20	24	24	12	12	12	4	12	24	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers <b>AB-6426</b>	<b>4 WATER TRUCKS</b>													
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS		Barite- SX		Bentonite - SX		Cement G- SX						
REPAIR ASAP	Instrumentation	Other												Reporter	
	Computer, Communication & V-Sat Issues														

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Date	Well No (Type)	Rig	Foreman(s)
MONDAY 02/27/2023	SDGM-1264 (MK1 PRE-SET WELL TAGETING KHUFF-B WITH 7" LINER SET INSIDE KHUFF B CARBONATE) Charge #: (66-22054-#: 1264) Wellsites: (0) SDGM_1264_0	ADC-46L	HUSSEIN, BAHGAT ALY/ BIN KHELAIF, ABDULRAHMAN AHMED/ Engineer ALMUTHEN OMAR SAAD/ Superintendent ABDULMOHSIN, ABABAS FATHIL
THURAYA	RIG FORMAN VSAT +8821677712725	OTHER VSAT 013-577-3911	OTHER VSAT 013-664-8802 SLB 013-829-7746/829-7646 ADC 013-577-3968
			CONTRACTOR/CLERK VSAT

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
13352	PICKLING TBG. SET HGR AND TEST TCA/TBG. SET PRR PLUG & BPV, N/D BOPE.	N/D BOPE. N/U XTREE & P/T. R/U SLICKLINE, RETRIEVE PLUGS AND PERFORM FINAL DRIFT. SECURE WEL & RELEASE RIG.	110.97 KM FROM THE DHARAHAN MAIN GATE	44.2 (01/14/2023@0000)	JILH 10480 14' SHALLOWER JLDM 10730 3' DEEPER BJDM 10880 4' SHALLOWER MDJR 11170 19' SHALLOWER SUDR 11933 10' SHALLOWER SDDM 12227 1' DEEPER KHFF 12538 7' DEEPER KFAC 12587 7' DEEPER KFBG 12720 44' DEEPER
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %
13352	4 1/2	10600	13352	12752	9 5/8 10906 10906 0 100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
05.5	0500 - 1030	0		C	COMP	CIRC	MPMP	RIG	13352	13352			PERFORMED PICKLING JOB WITH CEMENT UNIT. - CEMENT UNIT PUMPED 20 BBL VISCOSIFIER WATER SPACER + 54 BBL OF 43% CCT-8051 + 20 BBL VISCOSIFIER WATER SPACER. - CEMENT UNIT DISPLACED PICKLING PILLS WITH 85 BBL FILTERED WATER. - REVERSE CIRCULATED ALL PILLS OUT WITH THE RIG PUMPS WITH FILTERED WATER @ 3.0 BPM UNTIL TARGET NTU & TSS (NTU < 50, TSS < 0.05%) ARE ACHIEVED IN 3 SUCCESSIVE TESTS TAKEN IN 60 MIN APART. NTU: 42, TSS: 0.03 %. NTU: 37, TSS: 0.02 %. NTU: 33, TSS: 0.02 %.			
04.0	1030 - 1430	0		C	COMP	CIRC	MPMP	RIG	13352	13352			DIRECT DISPLACED WELL TO 70 PCF INHIBITED FILTERED NACL BRINE UNTIL CLEAN BRINE IN / OUT @ 3.0 BPM & 25 PSI. - PUMPED 50 BBL HVP AHEAD @ 3.0 BPM. - RECOVERED ALL 104 PCF KILL BRINE. - 70 PCF FILTERED INHIBITED NACL BRINE IN / OUT.			
01.0	1430 - 1530	0		C	COMP	CIRC	MPMP	RIG	13352	13352			DIRECT DISPLACED TUBING TO 70 PCF INHIBITED FILTERED CACL2 BRINE @ 3.0 BPM. - PUMPED 10 BBL SPACER PILL AHEAD @ 3.0 BPM. - 70 PCF FILTERED INHIBITED CACL2 BRINE INSIDE TUBING. - 70 PCF FILTERED INHIBITED NACL INSIDE TCA.			
01.8	1530 - 1715	0		C	COMP	RPCS	TBGHR	RIG	13352	13352	36	36	P/U AND M/U LANDING JOINT WITH LANDING SUB. DRAIN BOP STACK. CONFIRM LOCK DOWN SCREWS ARE FULLY OPEN. STING PBR SEAL ASSEMBLY INTO PBR AND LAND TUBING HANGER. SCREW IN LOCK DOWN SCREWS. -TBG HGR SN# S31-018424-B-002/ PN# R89155-20H203.			
01.0	1715 - 1815	0		C	COMP	PTST	MPMP	RIG	13352	13352			PJSM: M/U HARD LINES AND P/T SAME TO 7,000 PSI - OK.			
01.0	1815 - 1915	0		C	COMP	PTST	SEAL	RIG	13352	13352			PRESSURE TEST TCA (WITH TBG OPEN) 5000 PSI WITH 70 PCF NACL BRINE AND MONITORED FOR 30 MIN-OK. BLEED OFF INCREMENTAL STAGES TO 0 PSI. - TOTAL VOLUME PUMPED / RETURNED: 9.1 BBL. OK.			
01.0	1915 - 2015	0		C	COMP	PTST	SEAL	RIG	13352	13352			PRESSURE TEST TBG (WITH TCA OPEN) 5000 PSI WITH 70 PCF CACL2 BRINE AND MONITORED FOR 30 MIN. OK. BLEED OFF INCREMENTAL STAGES TO 0 PSI. TOTAL VOLUME PUMPED / RETURNED: 4.5 BBL. OK.			
03.2	2015 - 2330	0		C	COMP	SET	PLUGN	SLL	13352	13352	2450	2450	PJSM: R/U SLB SLICK LINE W/LUBRICATOR. RUN BRUSH THROUGH UPPER R-NIPPLE. RUN/SET FIRST PRR PLUG AT UPPER-NIPPLE @ 249'. CHECK SET RUN & PULL TEST TO 1,200 LBS. PRONG SET IN PRR PLUG.			
01.5	2330 - 0100	0		C	COMP	SET	PLUGT	INW	13352	13352	415	415	S/L RUN & SET INTERWELL RBP @ 415'.			
00.8	0100 - 0145	0		C	COMP	HT	TBG	RIG	13352	13352			BREAK OUT AND L/D LANDING JOINT.			
00.8	0145 - 0230	0		C	WH	SET	BPV	ARM	13352	13352			GWS CREW INSTALLED BPV.			
00.2	0230 - 0245	0		C	BOP	PJSM	BOP	RIG	13352	13352			HPJSM PRIOR TO N/D BOP.			
02.2	0245 - 0500	0		C	BOP	ND	BOP	RIG	13352	13352			N/D 13-5/8" 10 M CLASS "A" BOP STACK AND RELATED EQUIPMENT.....ONGOING.			

===== WELL OBJECTIVE =====

SDGM-1264 IS PLANNED TO BE DRILLED AS MK1 DESIGN, PLANNED TO PRE-SET THE 7" LINER INSIDE KHUFF B CARBONATE AND WILL BE DRILLED AT LATER STAGE WITH UBCTD ACROSS KHUFF-B RESERVOIR.

===== ARAMCO PERSONNEL =====

- MATERIALS EXPEDITOR, ABDULLAH HAZOZI ON LOCATION ON 2/15/2023.
- MATERIALS EXPEDITOR, HASSAN AL-SALEH # 855230 OFF LOCATION ON 02/22/2023.
- ARAMCO DE OMAR ALMUTHEN #775853 ON LOCATION FOR 4-1/2" UPPER COMPLETIONS.

===== SERVICE PERSONNEL =====

- IDS FOREMEN: CAN & YASSER.
- ADC TOOLPUSHERS: HAMZA & EDUARDO.

===== HSE =====

CONDUCT DAILY PRE-TOUR SAFETY MEETINGS:

- DISCUSSED REGARDING GDD DAILY SAFETY TOPIC: HANDS FREE TOOLS// HANDLE FOR HYDRAULIC TORQUE WRENCH TO AVOID FINGER INJURIES, ARRANGEMENT OF HAZARDOUS WASTE AREA, CIRCULATION AT TD - PREPARE TO POOH, PINCH POINTS - PPE. JSA & PJSM TO BE DISCUSSED PROPERLY.

- DRILLS: NONE.
- NEAR MISS: NONE.

===== AUDITS =====

- 1ST RHSEI, 2022: TOTAL ITEMS = 40 / OPEN ITEMS = 0.
- 2ND RHSEI, 2022: TOTAL ITEMS = 18 / OPEN ITEMS = 0.
- WCI, 2022: TOTAL ITEMS = 9 / OPEN ITEMS = 0.
- CONDUCT GAP ANALYSIS ON 16-19 FEB. 2023.

===== DIESEL CONSUMPTION=====

- DAILY DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP): 34 BBLS, CUMULATIVE DIESEL CONSUMPTION PER WELL = 2400 BBLS.

===== VACUUM TANKERS=====

- DRSS# 1003827532 (AL-AJINAH) - VACUUM TANKER 1: PLATE#: 1926-RRA, DOOR#: 2008-49,TRIPS: 2
- DRSS# 1003827532 (AL-AJINAH) - VACUUM TANKER 2: PLATE#: 1154-RRA, DOOR#: 2008-90,TRIPS: 2
- DRSS# 1003831336 (AL-AJINAH) - VACUUM TANKER 3: PLATE#: 1162-TRA, DOOR#: 2008-48,TRIPS: 2
- DRSS# 1003827532 (AL-AJINAH) - VACUUM TANKER 4: PLATE#: 1761-RRA, DOOR#: 2008-47,TRIPS: 2
- DRSS# 1003831336 (AL-AJINAH) - VACUUM TANKER 5: PLATE#: 1180-TRA, DOOR#: 2008-76,TRIPS: 2
- DRSS# 1003831336 (AL-AJINAH) - VACUUM TANKER 6: PLATE#: 3952-TRA, DOOR#: 2008-31,TRIPS: 2

=====NEXT WELL=====

- NEXT WELL SDGM-1204, READINESS 98%.

=====NEAR BY RIG & SITE=====

- NONE.

=====LAST CONTRACTOR VISIT=====

- MURTADA ALHASSAN IDS SUPERINTENDENT VISITED THE RIG ON 02/19/2023.
- MAKSIM ANTONOV IDS PROJECT MNGR VISITED THE RIG ON 02/12/2023.
- ADC RM JAFFER AL-ALI VISITED THE RIG ON 02/14/2023.
- ADC OPERATIONS MANAGER NAHEL DABJAN VISITED THE RIG ON 11/22/2022.
- MOHD. ABDULLAH ALGUDAIHI - HSE SUPERVISOR-11/21/2022.
- YEHIA AHMED ALI AHMED - HSE MANAGER - 09/14/2022.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS		
MUD DATA	Weight <b>70</b> PCF	Funnel Vis. <b>0</b> SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0/0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>10</b>	CA PPM <b>0</b>	CL PPM <b>0</b>					
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>100</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>0</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>NACL</b>	Water Well # <b>SDGM-3504, SDGM-970</b>						
	Weight <b>70</b> PCF	Funnel Vis. <b>0</b> SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0/0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>10</b>	CA PPM <b>0</b>	CL PPM <b>0</b>					
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>100</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>0</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>NACL</b>	Water Well # <b>SDGM-3504, SDGM-970</b>						
	Weight <b>70</b> PCF	Funnel Vis. <b>0</b> SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0/0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>10.1</b>	CA PPM <b>0</b>	CL PPM <b>0</b>					
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>100</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>0</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>NACL</b>	Water Well # <b>SDGM-3504, SDGM-970</b>						
	MUD TREATMENT	BIT DATA	DRILL STRING	Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #													
Miscellaneous	BOP Test <b>02/08/2023</b>	BOP Drills <b>WEEKLY</b>	Wind <b>NORMAL</b>	Sea <b>NA</b>	Weather <b>SEASONAL</b>	DSLTA	Safety Meeting <b>EA TOUR</b>										
	Real-Time Data Quality	Sensors Quality <b>85%</b>	Data Frequency <b>100%</b>	Real-Time Hrs	11.48/24 hrs												
Personnel and Services Information	COMPANY	TSC	BC	RIG	SMI	MIF	BR1	TK3	RIG	ARM	SCM	SLL	M12	TK3	ARM	GEP	Total <b>98</b>
	CATEGORY	CSR	PSSC	RIG	DFMS	FILT	MLS	OTHR	OTHR	OTHR	PCS	SLS	SCS	WSC	WSC	WHES	
	NO. OF PERSONS	<b>6</b>	<b>1</b>	<b>43</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>28</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>1</b>	
	OPERATING HRS.	<b>12</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	
	ON LOCATION HRS.	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	
Trucks/Boats	Standby/Tankers <b>AB-6509</b>	RIG AMBULANCE															
BULK REPAIR ASAP	Drill Wtr.-BBLS <b>1000</b>	Pot Wtr.- BBLS <b>1000</b>	Fuel- BBLS <b>661</b>	Barite- SX <b>132</b>	Bentonite - SX <b>86</b>	Cement G- SX <b>400</b>										Reporter	
	Instrumentation	Other	Computer, Communication & V-Sat Issues														

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>MZLJ-61 (VALUATE HYDROCARBON POTENTIALS ACROSS PRIMARY TARGET UNAYZAH- B/C RESERVOIR AND UNAYZAH-A RESERVOIR)</b>	Rig <b>ADC-47</b>	Foreman(s) <b>SLIMANI, LAKHDAR / LAMA, YOUSSEF / MADAN, MOHAMMED ALI / BENAICHA, MOHAMED</b>
	THURAYA +8821677712390	RIG FORMAN VSAT 0135784968	OTHER VSAT 0138297747 / 0138297647 CONTRACTOR/CLERK VSAT 0135784967 / 0135784965

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
9730	CHANGE RAMS, BOP TEST, R/U CSG RUNNING EQT ,FMH DUMMY RUN, R/U & RUN 9 5/8" CSG.	RUN 9-5/8 CSG , SPACE OUT FMH. CHC, CMT 9-5/8" CSG IN 2 STAGES,WH FMH WORK, N/D BOP, INSTALL THS, N/UP BOP & CHANGE RAMS, P/T BOP.	RIG IS LOCATED 182 KM NW OFHRDH GOSP-2. DIRECT DISTANCE AROUND 288 KM SW OF DAHRAN	46.2 (01/12/2023 @ 0000)	HITH 4495 80' DEEPER ABAR 4920 70' DEEPER ABBR 5010 57' DEEPER ABCR 5240 60' DEEPER ABDR 5435 62' DEEPER BADR 5680 71' DEEPER HNIF 5920 50' DEEPER TQMN 6385 85' DEEPER LFDR 7063 59' DEEPER MRRT 8125 NOT IN PROGRAM MNJR 8340 65' DEEPER JILH 9130 64' DEEPER JLDM 9550 66' DEEPER BJDM 9700 62' DEEPER

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
9730					13 3/8	4589	4589	0	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
00.5	0500 - 0530	0	12	N	WH	RTRV	WBSH	RIG	9730	9730			RETRIEVE CAMERON WEAR BUSHING.
01.5	0530 - 0700	0	12	N	CT	CIRC	MPMP	RIG	9730	9730			P/UP JETTING TOOL & JET / FLUSH BOP AND WELL HEAD.
01.5	0700 - 0830	0	12	N	BOP	NU	RAMS	RIG	9730	9730			SECURE WELL W/BLIND RAMS AND CHANGE OUT UPPER TO 9 5/8" CSG RAMS.
01.5	0830 - 1000	0	12	N	BOP	OTH	BOP	RIG	9730	9730			M/U TEST ASSY. RIH AND LAND SAME - FILL BOP W/WATER AND FLUSH SAME.
04.5	1000 - 1430	0	12	N	BOP	BOPT	BOP	RIG	9730	9730			P/T 13 5/8" 10M BOP'S AND RELATED EQUIPMENT AS PER ARAMCO PROCEDURES. P/T ALL RAMS/VLVS/LINES/TOP DRIVE IBOP TO 300/8,500 PSI AND HYDRILL TO 300/7,000 PSI, 10 MINS EACH TEST. > PERFORM ACCUMULATOR DRILL.
00.5	1430 - 1500	0	12	N	CSG	RR	TDS	RIG	9730	9730			HPJSM; TDS SERVICE & CHANGE WASH PIPE .
02.5	1500 - 1730	0	12	N	CSG	HT	PEL	ITS	9730	9730			HPJSM, CHANGE TDS BAILS AND RIG UP ITS 9 5/8" CSG RUNNING EQUIPMENT, CRT AND P/UP MACHINE.
01.5	1730 - 1900	0	12	N	CSG	SET	FMH	CAM	9730	9730			P/U AND M/U CIW FMH HANGER ASSY. PERFORM DUMMY RUN AS PER CIW HAND. L/D FMH ASSY.
02.5	1900 - 2130	0	12	N	CSG	OTH	CSG	ARM	9730	9730			HPJSM, M/U 9 5/8" CSG SHOE TRACKS JTS, BAKER LOCK AND TEST FLOAT EQUIPMENT, OK. > 9-5/8" HALL SHOE TB + X/O TB PIN X V.TOP BKX + 2 JTS 9-5/8" CSG 58.4# BARE V.TOP + X/O TB B X V.TOP P+HALL F/C TB + X/O TB P X V.TOP B+ 2 JTS 9-5/8" CSG 58.4# BARE V.TOP + X/O 3SB B X V.TOP P+ WDF L/C 3SB + X/O 3SB P X V.TOP B+ 02 JTS 9-5/8" CSG 58.4# V.TOP , 6 JTS/ 236 JTS.
07.5	2130 - 0500	0	12	N	CSG	RCSG	CTRQ	ITS	9730	9730	207	4589	RIH WITH CSG 9-5/8" 58.4# VM-110HC VT-HC-NB R-3. TOTAL CSG IN HOLE 111 JTS OUT OF 236 JTS. FILL STRING EACH JOINT - BREAK CIRC EVERY 20 JNTS. > RUN SPEED 14JTS/HR.

WELL MZLJ-61 IS PROPOSED TO BE DRILLED AS A VERTICAL WELL TO A TOTAL DEPTH TO 13,363' (200 FT INTO QUSB). THE OBJECTIVE OF THIS WELL IS TO EVALUATE HYDROCARBON POTENTIALS ACROSS PRIMARY TARGET UNAYZAH- B/C RESERVOIR AND UNAYZAH- A RESERVOIR SECONDARY TARGET.CUTTING CONVENTIONAL CORES IN 12" AND 5 7/8" HOLE SECTION,

\*\*\*\*\*CASING SETTING DEPTHS\*\*\*\*\*

DRILL 34" HOLE TO 75' / NA.

DRILL 28" HOLE TO 200' / ACTUAL 200'.

DRILL 22" HOLE TO 988 (50' INTO AHMADI) / ACTUAL 1,193'.

DRILL 16" HOLE TO 4,515 [100' INTO HITH] / ACTUAL 4,589'.

DRILL 12" HOLE TO 9,668' [30' INTO BJDM] / ACTUAL 9,730'.

DRILL 8-3/8" HOLE TO 12,911 [400 FT INTO KFDA]

DRILL 5-7/8" HOLE TO 13,363' [200 FT INTO QUSB] (BASE KHUFF D CARB (SEIS); UNAYZAH "A" RESERVOIR; QUSAIBA MEMBER)

\*\*\*\*\*AUDITS\*\*\*\*\*

PCI AUDIT: TOTAL 147; (CLOSED 147; OPEN =00); P1= 9 (9 CLOSED); P2= 131 (131 CLOSED); P3=7 (7CLOSED)

\*\*\*\*\*ARAMCO PERSONNEL ON LOCATION \*\*\*\*\*

- ARAMCO FCT ABDULLAH BO -OBID # 764554 ON LOCATION SINCE 02/22/2022.

- ARAMCO MATERIAL EXPEDITER AHMED AL HASSAN ID# 813626 ON LOCATION SINCE 02/26/2023.

- ARAMCO FOREMAN JABER, HASSAN ON LOCATION SINCE 02/26/2022.

\*\*\*\*\*SERVICE PERSONNEL & RENTALEQUIP\*\*\*\*\*

\*\* EMC MUD ENGINEER ON LOCATION SINCE 01/01/2023.

\*\* EXLOG MUD LOGGING UNIT AND ENGINEERS ON LOCATION SINCE 01/06/2023.

\*\* RECEIVE NOV 8"HMJ -336-81072 ON 01/25/2023 AT 15:15

\*\* TAQA CEMENT UNIT & CREW ON 02/25/2023.

\*\* WFD DV ENGINEER ON 02/25/2023.  
 \*\* CIW ENGINEER ON 02/25/2023 @ 15:00.  
 \*\* PARKER TRS COMPANY ON 02/25/2023.

\*\*\*\*\*SAFETY, DRILLS, INCD & ALERTS\*\*\*\*\*

- ANNUAL SECONDARY DRILL HELD 10-15/2022  
 - ACCUMULATOR DRILL/ BOP DRILL

\*\*\*\*\*VACUUM TRUCKS\*\*\*\*\*

\*\* VACUUM TANKER DRSS# 1003820189 -

PLATE #3183 RZA ON LOCATION ON 02/22/2023 (2 TRIP / DAY)

PLATE # 1874 RZA ON LOCATION ON 02/22/2023 (2 TRIP / DAY)

NEXT WELL: BYYN-3

WATER WELL:

PRE-MOVE MEETING :

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS											
MUD DATA	Weight 85 PCF	Funnel Vis. 73 SEC	Filtrate(WL) 14 HTHP	Filtrate (WL) API	PV 22	YP 27	Electrical Stability 0 Volts	3/6 RPM 13 / 17	Gels Sec/Min 14 / 19	PH 10	CA PPM 240	CL PPM 90000													
	FL Temp 0	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT 5	Mud type NCPOL	Water Well # MZLJ-813														
	Weight 85 PCF	Funnel Vis. 71 SEC	Filtrate(WL) 14 HTHP	Filtrate (WL) API	PV 22	YP 27	Electrical Stability 0 Volts	3/6 RPM 13 / 17	Gels Sec/Min 14 / 19	PH 10	CA PPM 240	CL PPM 90000													
	FL Temp 0	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT 5	Mud type NCPOL	Water Well # MZLJ-813														
MUD TREATMENT	BARITE 5(5000L)																								
BIT DATA																									
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #											
Miscellaneous	BOP Test	BOP Drills		Wind	Sea	Weather		DSLTA		Safety Meeting															
	02/26/2023	02/26/2023		NONE	N/A	SEASONAL		PRE-TOUR MEETING																	
Real-Time Data Quality			Sensors Quality			100%	Data Frequency		100%	Real-Time Hrs		11.49/24 hrs													
Personnel and Services Information	COMPANY		ITS	SUW	WDV	RIG	EMC	XLG	RIG	ARM	SJC	ARM	CAM	Total 82											
	CATEGORY		CSR	CTRG	DV	RIG	DFMS	MLS	OTHR	OTHR	PCS	WSC	WHES												
	NO. OF PERSONS		2	13	1	39	2	4	12	2	3	2	2												
	OPERATING HRS.		24	0	24	24	24	24	24	24	24	24	24												
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24												
Trucks/Boats	Standby/Tankers																								
	AB0731																								
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX		Bentonite - SX		Cement G- SX																	
REPAIR ASAP	Instrumentation		Other													Reporter									
	Computer, Communication & V-Sat Issues																								

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D&WO Morning Report (Service Providers View)  
 Copyright 2010 Saudi Aramco. All Rights Reserved  
 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY</b> 02/27/2023	Well No (Type) : <b>HRDH-2338</b> (MK-1 UNAYZAH A SINGLE LATERAL GAS PRODUCER W/3000' RESERVOIR CONTACT LOCATED IN WESTERN FLANK HRDH)	Rig <b>ADC-48</b>	Foreman(s) <b>DREES, AHMED MOHAMMED/ AHMED, MOHANAD ALY/ DE ABREU GONCALVES, MIGUEL ANTONIO/ TOKTABOLAT, ZHAZAR/ GAHTANI, SAEED MU FARREH</b>	THURAYA <b>882-167-771-2620</b>	RIG FORMAN VSAT <b>013-577-3944</b>	OTHER VSAT	OTHER VSAT	OTHER VSAT	CONTRACTOR/CLERK VSAT <b>013-577-3969</b>
	Charge <b>(66- 22058- #: 2338)</b> Wellbores: (0) HRDH_2338_0								

Depth	Last 24 hr operations	Next 24 hr plan				Location	Days Since Spud/Comm (Date)		Formation tops		
17040	DIR DRILL 5 7/8" HOLE TO TD +/- 18,160' MD (14,511' TVD).					HRDH-2338: 287 KM F/ DMG, TAKE RIGHT TURN AFTER HARADH 2ND GAS STN, TRAVEL +/-20KM, ON YABRIN ROAD	61.5 (12/27/2022@1800)		UNZA	14453	2' SHALLOW
Prev. Depth	Liner Size	TOL	MD	TVD		Last Csg Size	MD	TVD	Footage	Circ %	
15905	7	10505	15047	14454		9 5/8	10857	10857	1135	100	
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations
23.5	0500 - 0430 0	5 7/8	N	DRLG	D	RSS	BHI		Start 16750	End 17040	CONT. DIR DRILL 5-7/8" HOLE WITH 90 PCF RHELIANT MUD - FOLLOWING APPROVED CONNECTION PRACTICES PROCEDURE. - PUMP 40 BBLS WT SEALING PILL DAILY
00.5	0430 - 0500 0	5 7/8	N	DRLG	RR	TDS	RIG		17040	17040	SERVICE TDS

#### OBJECTIVE: MK-1 TARGETING UNAYZAH A SINGLE LATERAL GAS PRODUCER WITH 3000' OF RESERVOIR

- =====
- DRILL 28" HOLE X 24"CSG PLANNED CP @ 970'(50' INTO RUS). ACTUAL 935'.
  - DRILL 24" HOLE X 18-5/8" PLANNED CP @ 3,111'(+/-50' INTO AHMADI). ACTUAL 3020'.
  - DRILL 16" HOLE X 13-3/8" PLANNED CP @ 5,721 FT, (+/-50' INTO MID-THAMAMA). ACTUAL 5667'.
  - DRILL 12" HOLE X 9-5/8" PLANNED CP @ 10,866'MD/10866'TVD (+/-30'INTO BJDM). ACTUAL 10857'MD/10857' TVD.
- KOP @ 13,410', BUILD TO 89.2DEG@15406'MD/14,476'TVD, HOLD TILL 18,161'MD/14,511'TVD, (REF: HRDH-2338\_0\_REV\_C.6(PWP))
- DRILL 8-3/8" HOLE X 7" PLANNED LNR PT @ 15,018'MD/ 14,458'TVD, (+/-3 FT TVD INTO UNZA) ACTUAL 15047' MD / 14454' TVD.
  - DRILL 5-7/8" HOLE TO WELL TD @ 18,367'MD/ 13,562' TVD (+/- 3,000' INTO UNAYZAH-A RES SINGLE LATERAL) ACTUAL XXXXX' MD / XXXXX' TVD.
- =====

#### SAFETY MEETING/PRE:

DISCUSSED THE GDD TOPIC OF THE DAY " ELECTRICAL SAFETY".

RIG ELECTRICIAN DESCRIBED ALL MAJOR ELECTRICAL HAZARDS TO CREW.

PRESENTED & DISCUSSED HSE ALERT 20-23 "HAND INJURY WHILE USING IRON ROUGHNECK" WITH CURRENT CREW.

DISCUSSED WHAT HAPPENED & WHAT SHOULD BE DONE TO PREVENT RECURRENCE ?

DISCUSS THE CURRENT OPERATION, HAZARDS, RISK, AND PRECAUTIONS.

STOP CARDS: 24

OBSERVATION-INTERVENTION:6

DRILLS PERFORMED (2 X PIT DRILLS)

=====ARAMCO PERSONNEL ON LOCATION=====

- SEGIA GULF ARM CLERK MOHAMMED ABID KHAN #8163763 ON LOC 5/10/2022.
- TRAINEE CLERK MOHAMMED BASITH # 8581992 ON LOCATION ON 2/9/2023
- FCT MOHAMMED ALSADUN # 764539 ON LOCATION 15 FEB 2023.
- PDP MALIK ALMALKI # 786339 ON LOCATION 17 FEB 2023 LEFT LOCATION ON 22-FEB.

- =====
- EMEC MUD ENG ON LOCATION ON 7/2/22.
  - MI MUD ER ON LOCATION ON 20JAN 2023
  - ADC RIG MANAGER HUSSAIN YOUSEF & VISION MANAGER AHMAD AL-ALEIWI VISITED RIG ON 01/30/2023.
  - EX LOG MUD LOGGING UNIT SERVICE CREW ON LOCATION ON 23 JAN 23. ADVANCED MUD LOG CABIN ON 2/9/23
  - BAKER DD & MWD SERVICE HAND ON LOCATION @ 10:00HRS 23JAN 2023.
  - SLB CENTRIFUGE CREW ON LOCATION 05 FEB 2023. NEW CENTRIFUGES ARRIVED ON 02/08/23.
  - ULTERRA BIT RUNNER ON 02/10/23 LEFT LOCATION ON 23-FEB
  - SMITH BIT MAN ON LOCATION ON 23-FEB.
  - WELLHEAD ENGINEER ON LOCATION ON 23-FEB LEFT LOCATION ON 24-FEB
- =====RENTALS=====
- WELLLINK LAPTOP ON LOCATION.
  - RECEIVED OIL SERV 4-3/4" D-JAR # HJDA-475-0044 ON 06 FEB 2023 @ 23:00, P/U ON 09 FEB 2023 @ 02:00. L/D 23:00 ON 23-FEB

- RECEIVED 100 BBLS OF 20% HCL ACID ON 02/11/2023

- RECEIVED OIL SERV 4-3/4" HDA-JAR # HJDA-475-0038 ON 21 FEB 2023 @ 06:00. RIH @ 20:30 ON 24-FEB

=====WELL SITE EQUIPMENT=====

DRSS#1003824520 VACUUM TANKER

SITA D#2008-97 P#TRA-1189- 2 TRIP

CHARAJIT D# 2008-14 P#BRA-3671-0 TRIP

BALWINDER D#2008-56 P#TRA-1321-2 TRIP

KUMAR D#2010-044 P# NBA -3448-0-TRIP

SOHAN LAL D32008-07 P# BRA=4368-0 TRIP

MIR AFZAL- D#2-11123 P# DJA-7069- 2 TRIPS

ILYAS D#2-11104 P#DJA-7052-2TRIPS

=====NEXT WELL: HWYH-1294 (READY) WATER WELLS: HWYH-901/3509=====

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD		N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
0	16952		89.43	180.48		95	14487.9		-3213.40		23.81		3213.09	0.04
0	16857		89.46	180.45		93	14486.98		-3118.40		24.58		3118.1	0.4
0	16764		89.59	180.10		97	14486.21		-3025.41		25.03		3025.1	0.17
0	16667		89.65	180.25		95	14485.56		-2928.41		25.33		2928.11	0.28

MUD DATA	Weight 90 PCF	Funnel Vis. 57 SEC	Filtrate(WL) 1 HTHP	Filtrate (WL) API	PV 31	YP 15	Electrical Stability 800 Volts	3/6 RPM 7 / 8	Gels Sec/Min 8 / 11	PH 0	CA PPM 0	CL PPM 26000
	FL Temp 170	Cake HTHP 1	Cake API 0	Water Vol. % 13	Oil Vol. % 65	Solids Vol. % 22	% LGS 0.25	MBT 5.7	Mud type 0	RELIANT	HRDH-3542, HRDH-896	Water Well #
	Weight 90 PCF	Funnel Vis. 55 SEC	Filtrate(WL) 1 HTHP	Filtrate (WL) API	PV 32	YP 14	Electrical Stability 780 Volts	3/6 RPM 6 / 7	Gels Sec/Min 7 / 10	PH 0	CA PPM 0	CL PPM 26000
	FL Temp 170	Cake HTHP 1	Cake API 0	Water Vol. % 13	Oil Vol. % 65	Solids Vol. % 22	% LGS 0.25	MBT 5.8	Mud type 0	RELIANT	HRDH-3542, HRDH-896	Water Well #

MUD TREATMENT	STELSL50	CACO3-50	MRBL-M	ONETROL HT	SUREMUL									
	24(55LB)	48(55LB)	72(55LB)	24(55LB)	3(55GL)									

BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out				
	9	M233	5.875	SMT	SM2525	R513V2C / 3 X 16 / 0.589	16590	17040							
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av
		12	70				3400	250	136	1436.48					29

DRILL STRING	Float	Y														
	BHA Hrs:	35														
	String Wt.	Pick Up	Slack Off		Rot. Torque		6		Jars:		/	35				
	280	293	270						Serial #/Hrs	/	/	Shock Sub:	/	Mud Motor: / /		
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit			SMT	5.875		5.875	0.55	3 1/2 REG					SM2525	
	2	RSS			BHI	5.03	1	5.03	1	8.19	4 3/4 T2	3 1/2 REG				
	3	Measurement While Drilling (MWD)			BHI	4.75		4.75	2.25	14.43	4 3/4 T2	4 3/4 T2				
	4	Logging While Drilling (LWD)			BHI	4.75		4.75	2.25	92.05	3 1/2 IF	4 3/4 T2				
	5	Float Sub			BHI	4.75	1	4.75	2.25	3.2	3 1/2 IF	3 1/2 IF				
	6	Filter Sub			BHI	4.75	1	4.75	2	5.67	3 1/2 IF	3 1/2 IF				
	7	Filter Sub			BHI	4.75	1	4.75	2.25	7.76	3 1/2 IF	3 1/2 IF				
	8	Crossover			RIG	4.75	1	4.75	2.5	3.67	XT-39	3 1/2 IF				
	9	Heavy Weight Drillpipe (HWDP)			RIG	4	3	4	2.25	91.97	XT-39	XT-39				
	10	Hydraulic Jar			OJR	4.75	1	4.75	2.38	31.37	XT-39	XT-39			HJDA475-003	
	11	Heavy Weight Drillpipe (HWDP)			RIG	4	2	4	2.25	61.342	XT-39	XT-39				
	12	Drillpipe			RIG	4	252	4		7905	XT-39	XT-39				
	13	Crossover			RIG	6.63	1	6.63	2.5	3.62	XT-54	XT-39				
	14	Drillpipe			RIG	5.5	1	5.5								

Miscellaneous	BOP Test		BOP Drills		Wind	Sea	Weather		DSLTA	Safety Meeting				
	02/24/2023				NORMAL	N/A	SEASONAL			YES				

Personnel and Services Information	Real-Time Data Quality	Sensors Quality 100% Data Frequency 100% Real-Time Hrs 11.49/24 hrs												Total 89
	COMPANY	SBT	SUW	BHI	RIG	EMC	SMI	XLG	RIG	ARM	MI2	ARM		
	CATEGORY	BITS	CTRG	DPDS	RIG	DFMS	DFMS	MLS	OTHR	OTHR	SCS	WSC		
	NO. OF PERSONS	1	15	3	39	1	2	9	12	4	1	2		

	OPERATING HRS.	24	0	24	24	12	24	24	12	12	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers	<b>AMBULANCE</b>	<b>ADC TRUCK</b>									
	<b>AB-5318</b>											
BULK	Drill Wtr.-BBLS <b>1000</b>	Pot Wtr.- BBLS <b>1000</b>	Fuel- BBLS <b>380</b>	Barite- SX <b>269</b>	Bentonite - SX <b>78</b>	Cement G- SX <b>1200</b>						
REPAIR ASAP	Instrumentation Computer, Communication & V-Sat Issues	Other										Reporter

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HWYH-1305</b> <b>(HWYH-1305 IS PLANNED AS A K-1 KHUFF-C PRESET GAS PRODUCER WELL)</b> Charge #: <b>(66- 22053- 1305)</b> Wellbores: (0) HWYH_1305_0	Rig <b>ADC-49</b>	Foreman(s) <b>ABDELKARIM, MOHAMED</b> <b>ABDELALIM/</b> <b>ALTHEBEANY,</b> <b>ABDULRAHMAN TURKI/</b> <b>ALJAAFRI, MOHAMMED</b> <b>ABDULRAHMAN/</b> <b>ABDULMOHSIN, ABBAS</b> <b>FATHIL</b>
		Engineer	<b>CONTRACTOR/CLERK</b>
		Superintendent	<b>VSAT</b>
		<b>RIG FORMAN</b> <b>VSAT</b> <b>013-576-2551</b>	<b>VSAT</b> <b>013-576-3245</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>12426</b>	RIH 7" LNR, CIRC. SET LNR AND CMT. SET PKR, RVS CIRC.	POOH LH SETTING TOOL, L/D EXTRA DP, REMOVE VG W/BUSHING, JET BOP & WELL HEAD, RE-CONFIG BOP, P/TEST BOP, P/U 5-7/8" C/O BHA.	HWYH-1305 IS 196 KM DAHHRAN MAIN GATE	44.8 (01/13/2023@0500)	<b>BADR</b> 7310 90' SHALLOWER <b>HNIF</b> 7864 69' DEEPER <b>DHRM</b> 8497 87' DEEPER <b>LFRD</b> 8526 62' DEEPER <b>BLFR</b> 8660 67' DEEPER <b>HURN</b> 9198 38' DEEPER <b>MRRT</b> 9319 32' DEEPER <b>MNJR</b> 9676 12' DEEPER <b>JILH</b> 10015 62' SHALLOW <b>JLDM</b> 10261 65' SHALLOW <b>BJDM</b> 10410 84' SHALLOW <b>SUDR</b> 11527 94' SHALLOW <b>SDDM</b> 11852 100' SHALLOW <b>KHFF</b> 12200 102' SHALLOW <b>KFAC</b> 12240 103' SHALLOW <b>KFBC</b> 12350 112' SHALLOW

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>12426</b>	<b>7</b>	<b>10120</b>	<b>12423</b>	<b>12423</b>	<b>9 5/8</b>	<b>10435</b>	<b>10435</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
08.0	0500 - 1300	0	8 3/8	N	CSG	RCSG	STRG	RIG	12426	12426	2400	10420	RIH @ CONTROLLED SPEED WITH BAKER 7" LINER HANGER ON DRIFTED 5.5" DP TO 9-5/8" CSG SHOE - RIH SLOWLY THROUGH DV TOOL WITH SHOE & HANGER ASSY (DV @ 7310 FT)
01.5	1300 - 1430	0	8 3/8	N	CSG	CIRC	MPMP	RIG	12426	12426			CIRCULATE 1.5 STRING CAPACITY RECORD PRESSURES. 230 GPM -850 PSI. - RECORD P/U AND S/O WEIGHTS.
03.0	1430 - 1730	0	8 3/8	N	CSG	RCSG	STRG	RIG	12426	12426	10420	12320	RIH @ CONTROL SPEED WITH BAKER 7" LNR IN OPEN HOLE MONITORING DRAG AND RETURNS. - HOLE IN GOOD CONDITION.
01.0	1730 - 1830	0	8 3/8	N	CSG	RW	CSG	RIG	12426	12426	12320	12426	PRECAUTIONARY WASH DOWN LAST STAND DOWN AND TAG BOTTOM CONFIRMED @ 12,426 FT,
01.5	1830 - 2000	0	8 3/8	N	CSG	CIRC	MPMP	RIG	12426	12426			CIRC B/U @ 3 BPM/900PSI, 5BPM/1100 PSI , CONT. CIRC TILL PRESSURE STABILIZED
02.0	2000 - 2200	0	8 3/8	N	CSG	SET	HGRL	BLH	12426	12426	10119	10119	PJSM; M/U BOT CMT HEAD & SPACE OUT. DROP 1.75" BRASS SETTING BALL & CHASE BALL DOWN W/2 BPM, PRESSURE UP & SET LNR HGR WITH 1,700 PSI, SLACK OFF LINER WT + 90 KLB & CONFIRM HGR SET. PRESSURE UP & BLOW BALL SEAT WITH 3200 PSI. BREAK CIRC - GOOD RETURNS. RELEASE 2" BRASS BALL & CHASE DOWN W/2 BPM INTO BALL SEAT, PRESSURE UP & RELEASE SETTING TOOL WITH 2350 PSI. CONT TO CIRCULATE & CONFIRM GOOD RETURNS. PICK UP 3' OFF BTM & CONFIRM RUNNING TOOL RELEASED, SET 40 KLB DOWN ON TOP OF LINER AND RESUME CIRCULATION.
01.5	2200 - 2330	0	8 3/8	N	CSG	CIRC	MPMP	RIG	12426	12426			RESUME CIRCULATION, INCREASE FLOW RATE 3-5 BPM. MEANTIME HOLD PJSM. R/U HARD LINES. FLUSH SAME AND P/TEST LINES TO 6,000 PSI. > SLB BATCH MIX 100 BBL CEMENT SLURRY @

02.0	2330 - 0130	0	8 3/8	N	CSG	CMC	LINR	SCM	12426	12426			120 PCF. PERFORM 7" LINER CMT JOB AS FOLLOWS:- SLB PUMP 100 BBL 115 PCF SLB SPACER AHEAD, FOLLOWED W/97 BBL 120 PCF BATCH MIXED CEMENT SLURRY RELEASE DP WIPER PLUG, DISPLACE CEMENT W/5 BBL CMT FOLLOWED BY 15 BBL SPACER + 45 BBL 110 PCF OBM + 30 BBL SPACER + 111 BBL OBM, GOT SHEAR INDICATION, PUMP 75 BBLS & BUMP PLUG W/ 500 PSI OVER FINAL DISPLACEMENT PRESSURE (1800 PSI). BLEED OFF, CHECK FLOATS - HOLDING. > 100% RETURNS. > DART LATCH TO 7" WIPER PLUG WAS OBSERVED @ 3,200 PSI.
00.5	0130 - 0200	0	8 3/8	N	CSG	SET	HGRL	BLH	12426	12426	10119	10119	> CEMENT ADDITIVES: D175A 0.035 GPS VBWOC + D167 0.4% BWOC + D065 0.24% BWOC +D135 0.15 GPS +D028 0.3% BWOC +D600G 1.5 GPS VBWOC + D135 0.15 GPS VBWOC.
01.5	0200 - 0330	0	8 3/8	N	CSG	CIRC	MPMP	RIG	12426	12426			P/U STRING 12' TO EXPOSE DOGS, ROTATE @ 15 RPM & SET ZXHD LINER TOP PKR WITH 90 KLB AS PER BAKER REP. - GOOD INDICATION.
01.5	0330 - 0500	0	8 3/8	N	CSG	CIRC	MPMP	RIG	12426	12426			P/U TOTAL 40 FT STING OUT OF PBR, REVERSE CIRC 1.5 X STRING VOLUME, DUMP 10 BBLS CONTAMINATED SPACER + 109 BBLS PURE SPACER + 15 BBL CONTAMINATED CMT + 34 BBLS CONTAMINATED CEMENT, OBM, & SPACER. > 168 BBL TOTAL VOLUMES DUMPED

HWYH-1305 IS PLANNED AS A K-1 KHUFF-C PRESET GAS PRODUCER WELL. THE WELL WILL BE RE-ENTERED BY UBCTD TO DRILL LATERALS IN KHUFF-C RESERVOIR.

#### =====ARAMCO PERSONNEL ON LOCATION=====

- ARAMCO CLERK VICTOR BRYAN ORMIDO ID# 8292407 ON LOCATION 02/15/23.
- ARAMCO FCT, MOHAMMED ALBARQI BADGE # 790709 ON LOCATION 02/15/2023
- ARAMCO DE, MOHAMED ALJAAFRI B.N#793303 ON LOCATION 02/25/2023 FOR RUN & CMT 7" LNR.

#### =====ADC TOOLPUSHER=====

- ADC TOOL PUSHER: DAY: ADEL / NIGHT: ABDELRAZAK.

#### =====SERVICE COMPANIES=====

- 1 EMEC MUD ENGINEER ON LOCATION.
- BAKER MWD ENG. ON LOCATION.
- GEOLOG MUD LOGGING CREW & UNIT ON LOCATION.
- MI-SWACO MUD ENG ON LOCATION 2/11/2023 @ 17:00 HRS.

#### =====HSE=====

DISCUSSED: GDD SAFETY TOPIC "ELECTRICAL SAFETY"; HSE ALERT 18- 23 TRIP AND FALL IN GALLEY DUE TO POOR HOUSEKEEPING; HSE ALERT 16-23 IMPORTANCE OF JOURNEY MANAGEMENT; ADC - HOUSEKEEPING CAMPAIGN; HANDS AND FINGERS INJURY PREVENTION AWARENESS; HAZCOM PROGRAM; LINE OF FIRE AWARENESS; REPORTED STOP CARDS.

- DRILLS: FIRE PUMP DRILL X1

- NEAR MISS: NONE

#### ===== VACUUM TANKER=====

- DRSS# 1003825951 (AL-SALOMI) - VACUUM TANKER 1: PLATE#: 4111-ADU, TRIPS: 2
- DRSS# 1003825951 (AL-SALOMI) - VACUUM TANKER 2: PLATE#: 2969-UDA, TRIPS: 2
- DRSS# 1003825951 (AL-SALOMI) - VACUUM TANKER 3: PLATE#: 8973-KDA, TRIPS: 2
- DRSS# 1003852172 (AL-SALOMI) - VACUUM TANKER 4: PLATE#: 5852-LDA, TRIPS: 2
- DRSS# 1003852172 (AL-SALOMI) - VACUUM TANKER 5: PLATE#: 7939-HAD, TRIPS: 2

#### =====WATER CONSERVATION=====

- CONSTRUCTED TWO SEPARATE WASTE PITS FOR WBM AND OBM WITH LINER.

#### =====JAR AND SHOCK SUB=====

- OIL SERV 6.75" HYDRO-MECH JAR# HMJ-675-245 ON LOCATION ON 02/17/2023 @ 19:00 HRS. P/U ON 02/19/2023 13:00 HR'S, L/D 02/22/2023 17:00 HRS.

- OIL SERV 6.75" HYDRO-MECH JAR# HMJ-675-170 ON LOCATION ON 02/21/2023 @ 23:00 HRS. P/U ON 2/23/2023 00:30 HR'S

#### =====AUDITS=====

N/A

#### =====NEXT LOCATION=====

- HWYH-1284 100% READY.

#### =====NEARBY RIGS & FACILITY=====

-N/A

=====COST OPTIMIZATION=====

- > STANDBY ACID FOR STUCK PIPE: NO
- > FRACK TANK: MI SWACO TWO FRAC TANKS FOR OBM ON LOACTION ON 02/03/2023
- > RECEIVED 400 BBLS 105 PCF OBM FROM ADES-157.
- > RECEIVED 500 BBLS 130 PCF OBM FROM ADC-14.
- > RECEIVED 280 BBLS 100 PCF OBM FROM ADC-31.
- > RECEIVED 600 BBLS 105 PCF OBM FROM ADC-32.
- > TRANSFERRED 500 BBLS MUD CAP WBM 100 PCF TO SND-2010.
- > TRANSFERRED 1000 BBLS MUD CAP WBM 100 PCF TO NBR-797S.
- > TRANSFERRED 1000 BBLS MUD CAP WBM 86 PCF TO T-596.
- > UTILIZE RR 5-7/8" PDC SMITH BIT (SM 2449) FROM ADC-16 TO DRILL 5-7/8" HOLE SECTION.

=====NOTES=====

- SEND SAMPLES OF MIX FLUID, CEMENT, MUD & WATER TO ARAMCO LAB FOR CONFIRMATION TEST @ 10:00 AM

=====RIG VISITS=====

- ADC OPERATION MANAGER AHMED AL-ALEIWI LAST VISIT ON 02/20/2023.
- ADC DIVISION QHSE MANAGER MOHAMMAD ABDULLAH ALGUDAIHI LAST VISIT ON 12/29/2022.
- ADC RIG MANAGER ABDULMOHSEN AL-SUTAN VISITED THE RIG ON 2/15/2023.
- ADC RIG MANAGER ABDULMOHSEN SALIK VISITED THE RIG ON 2/15/2023.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS		
MUD DATA	Weight <b>110</b> PCF	Funnel Vis. <b>55</b> SEC	Filtrate(WL) <b>2</b> HTHP	Filtrate (WL) API	PV <b>29</b>	YP <b>12</b>	Electrical Stability <b>625</b> Volts	3/6 RPM <b>6 / 7</b>	Gels Sec/Min <b>7 / 8</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>				
	FL Temp <b>145</b>	Cake HTHP <b>2</b>	Cake API <b>0</b>	Water Vol.% <b>13</b>	Oil Vol.% <b>57</b>	Solids Vol.% <b>30</b>	Sand Vol. % <b>0</b>	% LGS <b>4.7</b>	MBT <b>0</b>	Mud type <b>RELIANT</b>	Water Well # <b>HWYH-3507, HWYH-3520</b>					
	Weight <b>110</b> PCF	Funnel Vis. <b>54</b> SEC	Filtrate(WL) <b>1.8</b> HTHP	Filtrate (WL) API	PV <b>30</b>	YP <b>12</b>	Electrical Stability <b>640</b> Volts	3/6 RPM <b>6 / 7</b>	Gels Sec/Min <b>7 / 8</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>				
	FL Temp <b>145</b>	Cake HTHP <b>2</b>	Cake API <b>0</b>	Water Vol.% <b>13</b>	Oil Vol.% <b>57</b>	Solids Vol.% <b>30</b>	Sand Vol. % <b>0</b>	% LGS <b>4.7</b>	MBT <b>0</b>	Mud type <b>RELIANT</b>	Water Well # <b>HWYH-3507, HWYH-3520</b>					
MUD TREATMENT	BARITE <b>20</b> (50LB)	BCTRNB <b>4</b> (5GL)														
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out					
	<b>8RR</b>	<b>M432</b>	<b>8.375</b>	<b>ULTR</b>	<b>60342</b>	<b>U616MD1 / 6 X 16 / 1.178</b>	<b>12426</b>	<b>13602</b>								
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
	<b>35</b>	<b>140</b>	<b>1</b>	<b>1</b>	<b>WT</b>	<b>A</b>	<b>X</b>	<b>1</b>	<b>3600</b>	<b>580</b>	<b>158</b>	<b>356.37</b>			<b>111</b>	
DRILL STRING	Float <b>Y</b>															
	BHA Hrs: <b>30.5</b>															
	String Wt. <b>284</b>	Pick Up <b>312</b>	Slack Off <b>280</b>		Rot. Torque <b>9000</b>		Jars: Serial #/Hrs		/ <b>30.5</b>		Shock Sub:	/	Mud Motor:	/		
Miscellaneous	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
	BOP Test <b>02/19/2023</b>	BOP Drills <b>AS REQUIRED</b>		Wind <b>SEASONAL</b>		Sea <b>N/A</b>	Weather <b>SEASONAL</b>				DSLTA		Safety Meeting <b>PRE-TOUR &amp; PRE JOB</b>			
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs		10.74/24 hrs		
Personnel and Services Information	COMPANY		ULT	NRC	OTH	RIG	EMC	SMI	BLH	BHI	RO1	RIG	ARM	SCM	ARM	Total <b>86</b>
	CATEGORY		BITS	CSR	CTRG	RIG	DFMS	DFMS	LHES	LWD	MLS	OTHR	OTHR	PCS	WSC	
	NO. OF PERSONS		<b>1</b>	<b>4</b>	<b>14</b>	<b>37</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>11</b>	<b>3</b>	<b>4</b>	<b>2</b>	
	OPERATING HRS.		<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	
Trucks/Boats	Standby/Tankers <b>AB5336</b>	<b>4 EA SLB TRIPOD CMT SILO</b>														
BULK	Drill Wtr.-BBLS <b>0</b>	Pot Wtr.- BBLS <b>1000</b>	Fuel- BBLS <b>304</b>	Barite- SX <b>222</b>	Bentonite - SX <b>91</b>	Cement G- SX <b>900</b>										
REPAIR ASAP	Instrumentation Computer, Communication & V-Sat Issues				Other										Reporter	
<b>IP PHONE KEEPS DISCONNECTING, NEED TO BE FIXED ASAP.</b>																

Date	Well No (Type) :	Rig	Foreman(s)	ALRASHEEDI, ABDULMAJEED NASSER/ PEARSON, RYAN DAVID/ ATIYAH, ABDULLAH ALI/ YAMI, NASSER SALEM				
MONDAY 02/27/2023	SFNY-1172 (SINGLE LATERAL HORIZONTAL PRODUCER TARGETING KHFJ RESERVOIR) Charge (66- 20013- #: 1172) Wellbores: (0) SFNY_1172_0	ADC-50	THURAYA	RIG FORMAN VSAT	OTHER VSAT	OTHER VSAT	CONTRACTOR/CLERK VSAT	013-829-7750 (OIM)

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
3379	CONT TO ENLARGE 16" TO 18-1/4" WITH SLB U/R, CHC & UNLOAD ANNULUS, CONT TO ENLARGE 16" TO 18-1/4" WITH SLB U/R,	CONT TO ENLARGE 16" TO 18-1/4" WITH SLB U/R TO CP AT 3345 FT	SFNY 1170/1179,72	134.8 (10/14/2022@1500)	KHBR 796 798' MD ALVL 1021 1024' MD SILS 1043 1046' MD RUS 1236 1260.4' MD RUSA 1280 1285' MD RUSG 1494 1501' MD UMER 1628 1636.58' MD ARUM 3185 3318' MD
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %
3379			18 5/8	16521643	0 98

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations				
									Start	End	Start	End					
07.0	0500 - 1200	0	18 1/4	N	DRLG	DHO	UNDR	SBT	3379	3379	2549	2700	ENLARGED 16" HOLE TO 18-1/4" HOLE W SLB U/R . - CONTROLLED ROP TO 30 FPH WITH 820 GPM. - ADD 40 PPB BRIDGING MARTIAL TO ACTIVE. - PUMP 50 BBL HI-VIS EVERY STAND. - WASH UP REAM DOWN EACH STAND				
01.2	1200 - 1315	0	18 1/4	N	DRLG	CIRC	MPMP	RIG	3379	3379			*10 BPH DYNAMIC LOSSES FROM 2100FT. PUMP SWEEP & UNLOAD ANNULUS PRIOR TO ENTER EXPECTED SEVERE LOSS ZONE AT 2750FT.				
15.8	1315 - 0500	0	18 1/4	N	DRLG	DHO	UNDR	SBT	3379	3379	2700	3011	ENLARGED 16" HOLE TO 18-1/4" HOLE W SLB U/R . - CONTROLLED ROP TO 30 FPH WITH 820 GPM. - ADD 40 PPB BRIDGING MARTIAL TO ACTIVE. - PUMP 50 BBL HI-VIS EVERY STAND. - WASH UP REAM DOWN EACH STAND				
													*10 BPH DYNAMIC LOSSES FROM 2100FT.				

SFNY-1172 WILL BE DRILLED AS A SINGLE LATERAL HORIZONTAL PRODUCER (BIG BORE DESIGN WITH EXTENSIVE LOGGING) WITH A TOTAL FOOTAGE OF 10870 FT MD / 5227 FT TVD ACROSS KHFJ RESERVOIR IN THE WESTERN PART OF NORTH SAFANIYA SHALLOW GAS AREA. THE WELL WILL BE COMPLETED WITH ICD SCREENS, MFIV, AND ESP. CHEMICAL TREATMENT WILL BE PERFORMED ACROSS THE RESERVOIR AND FLOWBACK TO SURFACE FOR WELL CLEANUP.

#### RIG DATA:

- RIG HEADING: 330 DEG
- RIG POSITION: 28 24.20 LAT / 48 53.29 LONG
- AIR GAP: 50 FT
- WATER DEPTH: 75 FT
- RKB TO MSL: 114 FT
- RKB TO ML: 187

NO ANCHOR RESTRICTION ON PLATFORM

#### CASING POINTS PLANNED:

- 30" CASING AT 729' (150' INTO PNU).
- 24" CASING AT 1270' (10' INTO RUS).
- 18-5/8" CASING AT 1644' (10' INTO UER).
- 16" LINER CASING AT 3379' (50' INTO ARUMA).
- 13-3/8" CASING AT 3695' (50' ABOVE LCZ).
- 9-5/8" CASING AT 4486' (50' INTO AHMD).
- 7" LINER CASING AT 7865' (@TE).

#### SAFETY:

PERFORM H2S & ABANDON AND FIRE DRILLS ON 02/25/2023.

ARAMCO MATERIAL EXPEDITOR: ABDULHAMEED AL JASSIR #3261835 ON BOARD SINCE 02/21/2023

ARAMCO HSE TECHNICIAN: MOHAMMED N. BABAIDHAN #768399 ON BOARD SINCE 02/21/2023

#### RENTAL TOOLS ON BOARD:

- 9-1/2" NAPESCO HMJ SN# 01612023, ARRIVED LOCATION ON 01/06/2023, RECEIVED MANIFEST #2100380071
- 6-1/2" NAPESCO HMJ SN# 01622023, ARRIVED LOCATION ON 01/06/2023, RECEIVED MANIFEST #2100380071

NEXT LOCATION & PLANNED RIG MOVE DATE: MNIF-520 PF ON NOV 2023

BACKLOAD LC-50 MUD SAMPLE TO BOAT SAVOY TIDE MFST#2400543804 ON 08 JAN 2022 , MARINE #1003426387

#### \*\* CCA MONITORING\*\*

BLED OFF CCA AT SFNY 1176, 1177 TO 0 PSI ON 7 NOV 2022

BLED OFF CCA AT SFNY 1174, 1175, 1179 TO 0 PSI ON 6 NOV 2022

BLED OFF TCA AT SFNY 1174, 1175, 1177 TO 0 PSI ON 5 NOV 2022

SFNY-72: TREE PRESSURE: 0 PSI, TCA = 0 PSI, 9-5/8" X 7"=130 PSI, 13-3/8"X 9-5/8"=20 PSI.

SFNY-1175: 38"X30"= 0 PSI, 30"X24" = 0 PSI, 24"X18-5/8"= 0 PSI, 18-5/8"X13-3/8" = 90 PSI, 13-3/8"X9-5/8"= 30 PSI, 9-5/8"X 4.5"= 90 PSI.

SFNY-1178: 38"X30"= 0 PSI, 30"X24" = 30 PSI, 24"X18-5/8"= 100 PSI, 18-5/8" = 0 PSI.

**SFNY-1170: 38"X30" = 0 PSI, 30"X24" = 0 PSI, 24"X18-5/8" = 0 PSI. INSIDE 18-5/8" = 0 PSI.**

**SFNY-1177: 38"X30" = 20 PSI, 30"X24" = 140 PSI, 24"X18-5/8" = 150 PSI, 18-5/8"X13-3/8" = 70 PSI, 13-3/8" X 9-5/8" = 520 PSI, 9-5/8" X 4.5" = 40 PSI.**

**SFNY-1179: 38"X30" = 0 PSI, 30"X24" = 40 PSI, 24"X18-5/8"=110 PSI, 18-5/8"X13-3/8" = 0 PSI, 13-3/8"X9-5/8"=120 PSI , 9-5/8"X4.5" =0 PSI.**

SFNY-1174: 38"X30" = 0 PSI, 30"X24" = 20 PSI, 24"X18-5/8" = 100 PSI, 18-5/8"X13-3/8" = 140 PSI, 13-3/8"X9-5/8" = 0 PSI, 9-5/8"X 4.5" = 0 PSI.

**SFNY-1176: 38"X24" = 50 PSI, 24"X18-5/8" = 0 PSI, 18-5/8" X13-3/8" = 100 PSI, 13-3/8"X9-5/8" = 0 PSI, 9-5/8" X 4.5" = 120 PSI.**

SFNY-1172: 38"X30" = 0 PSI. 30"X24" = 20 PSI. 24" X 18-5/8" = 230 PSI.

#### Remarks

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HRDH-2408 (HRDH-2408 IS AN MK-1 GAP WELL PRE-SET IN KHUFF-C RESERVOIR, THE WELL IS LOCATED IN THE WESTERN FLANK)</b>	Rig <b>ADC-51</b>	Foreman(s) <b>RODLEY, JAMES IAN/ ADAM, AHMED ABDELSATTAR/ ALSHEHRY, ABDULLAH MOHAMMED/ ABDULMOHSIN, ABBAS FATHIL</b>
Engineer		Superintendent	
THURAYA <b>8821677712775</b>	RIG FORMAN VSAT <b>5726525</b>	CONTRACTOR/CLERK VSAT <b>5723427</b>	

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>9234</b>	<b>P/TEST BOP &amp; WFD MPD EQPT. MU &amp; RIH 8- 3/8" SPERRY DIR ASSY.</b>	<b>MPD CALIBRATION, DISPLACE T/129 PCF WBM, PPT, RSS DRILL 8-3/8" HOLE.</b>	<b>HRDH-2408 IS 259 KM FROM DMM MAIN GATE.</b>	<b>27.0 (01/31/2023@0500)</b>	<b>JILH 8760 33FT DEEP</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>9234</b>					<b>9 5/8</b>	<b>9053</b>	<b>9053</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations	
									Start	End	Start	End				
<b>09.0</b>	<b>0500 - 1400</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>BOP</b>	<b>BOPT</b>	<b>BOP</b>	<b>RIG</b>	<b>9234</b>	<b>9234</b>					<b>P/TEST 13-5/8" 10M CLASS-A BOP STACK &amp; RELATED EQUIPMENT AS PER ARAMCO STANDARD. ALL TESTS 300/8500 PSI 10 MINS EA TEST. ANNULAR 300/7000 PSI. RCD BOWL &amp; HCR VALVE 300/3000 PSI 10 MINS EA TEST. PULL TEST PLUG &amp; RACK 10 STD DP. MU. &amp; RUN CUP TESTER &amp; TEST WELLHEAD 300/7150 PSI 10 MINS EA TEST. LD CUP TESTER. ACCUMULATOR &amp; FUNCTION TEST. CHOKE MANIFOLD TESTED OFFLINE.</b>	
<b>01.0</b>	<b>1400 - 1500</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>OTH</b>	<b>NA</b>	<b>GEP</b>	<b>9234</b>	<b>9234</b>					<b>RUN &amp; LOCK IN WEAR BUSHING. LAY DOWN RUNNING TOOL.</b>	
<b>02.0</b>	<b>1500 - 1700</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>OTH</b>	<b>NA</b>	<b>GEP</b>	<b>9234</b>	<b>9234</b>			<b>WCNT</b>	<b>909430</b>	<b>PJSM. INSTALL MODIFIED BELL NIPPLE &amp; FLOW LINE.</b>	
<b>01.0</b>	<b>1700 - 1800</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>BOP</b>	<b>OTH</b>	<b>RCD</b>	<b>WUD</b>	<b>9234</b>	<b>9234</b>			<b>WCNT</b>	<b>909430</b>	<b>PU &amp; STAB IN WFD RCD BEARING ASSY. RACK IN MAST.</b>	
<b>03.0</b>	<b>1800 - 2100</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>HT</b>	<b>BHA</b>	<b>SPS</b>	<b>9234</b>	<b>9234</b>			<b>WCNT</b>	<b>909430</b>	<b>PJSM; PU &amp; MU 8-3/8" SPERRY DIR-DRILLING BHA, SHALLOW TEST-OK.</b>	
<b>07.5</b>	<b>2100 - 0430</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>HT</b>	<b>STRG</b>	<b>RIG</b>	<b>9234</b>	<b>9234</b>	<b>660</b>	<b>9050</b>	<b>WCNT</b>	<b>909430</b>	<b>RIH 8-3/8" SPERRY DIR-DRLG BHA ON 5-1/2" DP STD'S, FILL UP &amp; B/C EA 20 STD.</b>	
<b>00.5</b>	<b>0430 - 0500</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>BOP</b>	<b>NU</b>	<b>RCD</b>	<b>WUD</b>	<b>9234</b>	<b>9234</b>			<b>WCNT</b>	<b>909430</b>	<b>DISCONNECT FLOWLINE, N/D BELL NIPPLE, INSTALL WFD RCD BEARING ASSY.</b>	

#### Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
<b>21 Feb 1145 - 0500</b>	<b>14</b>	<b>144.5</b>	<b>909430</b>		<b>WCNT</b>	<b>WC20</b>	<b>NA</b>	<b>ARM</b>	<b>9210</b>	<b>JILH GAS KICK.</b>

**HRDH-2408 IS AN MK-1 GAP WELL PRE-SET IN KHUFF-C RESERVOIR, THE WELL IS LOCATED IN THE WESTERN FLANK OF HRDH FIELD.**

===== PERSONNEL =====

- ADC TOOL PUSHER: DAY: AHMED AL-NASSER/ NIGHT: RYAIID.
- DARWIN CABERIO RIG CLERK ON LOCATION SINCE 02/10/2023
- ARAMCO PDP SUHAYB S. AL-GHAMDI BN#82450N OFF LOCATION 02/23/2023.
- ARAMCO PDP SHEHAB OTAIF BN#816527 ON LOCATION 02/24/2023.
- MUD LOGGERS ON LOCATION
- SPERRY DD/MWD ON LOCATION
- MI SWACO MUD ENG ON LOCATION
- WFD MPD CREW ON LOCATION 2/21/2023.
- SLB BARITE SILOX2 & CREW ON LOCATION.

===== TOOLS/ EQUIPMENT =====

- 6-1/2" JAR HMJ-675-0008 ON LOCATION 2/25/23 17:00 HRS.

===== VACUUM TANKER =====

- DRSS# 1003839941 , AL-FUWAILEH , VACUUM TANKER#1 : DOOR/ PLATE#: 3894 , ON LOCATION ,TRIPS: 2 PER DAY
- DRSS# 1003842678 , AL-FUWAILEH , VACUUM TANKER#2 : DOOR/ PLATE#: 6847, 3382,4886,7663 ON LOCATION ,TRIPS: 1 PER DAY

===== HSE =====

- PRE TOUR MEETING: REVIEWED HSE ALERTS, SHARED ELECTRICAL SAFETY, SHARED PERMIT TO WORK SYSTEM, ISOLATION OF THE

**EQUIPMENT LOTO, ADC JOURNEY MANAGEMENT, REVIEWED STOP CARDS, STOP WORK AUTHORITY, REVIEWED ARAMCO GAME PLAN.**
**- DRILLS: 2 X SWA DRILL.**
**=====OTHER=====**
**- ACID ON LOCATION.**
**=====NEXT WELL=====**
**- HRDH-2391 99% READY**
**=====VISIT=====**
**- GOHAR PARVEZ/ADC-51 R/M LAS T VISIT 02/24/23.**
**- MANZER - ADC-51 BUYER VISTED RIG 02/07/2023.**
**- AHMED AL ALEIWIY #102825 - ADC OPERATION MANAGER, & HUSSAIN ALYOUSIF #112403 - ADC RIG MANAGER VISITE**
**- ABDULLAH AKRAWI ADC DIV MANAGER VISITED LOCATION 2/21/23**
**- HUSSAIN MARZUQ ADC MANAGER VISITED LOCATION 2/21/23**
**=====**
**- SPERRY SENSOR OFFSET: SURVEY: 14.19', GR: 10.69', PWD: 9.69', ABI: 6.44'.**
**Remarks**

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS		
MUD DATA	Weight <b>143 PCF</b>	Funnel Vis. <b>58 SEC</b>	Filtrate(WL) <b>15.2 HTHP</b>	Filtrate (WL) API	PV <b>52</b>	YP <b>22</b>	Electrical Stability 0 Volts	3/6 RPM <b>10 / 11</b>	Gels Sec/Min <b>10 / 16</b>	PH <b>10</b>	CA PPM <b>600</b>	CL PPM <b>8000</b>				
	FL Temp <b>130</b>	Cake HTHP <b>2</b>	Cake API <b>2</b>	Water Vol.% <b>7</b>	Oil Vol.% <b>44</b>	Solids Vol.% <b>49</b>	Sand Vol.% <b>0</b>	% LGS <b>6.23</b>	MBT <b>10</b>	Mud type <b>NCPOL</b>	Water Well # <b>HRDH-834, HRDH-803</b>					
	Weight <b>143 PCF</b>	Funnel Vis. <b>55 SEC</b>	Filtrate(WL) <b>15.2 HTHP</b>	Filtrate (WL) API	PV <b>51</b>	YP <b>23</b>	Electrical Stability 0 Volts	3/6 RPM <b>10 / 11</b>	Gels Sec/Min <b>10 / 15</b>	PH <b>10</b>	CA PPM <b>280</b>	CL PPM <b>8000</b>				
	FL Temp <b>130</b>	Cake HTHP <b>2</b>	Cake API <b>2</b>	Water Vol.% <b>7</b>	Oil Vol.% <b>44</b>	Solids Vol.% <b>49</b>	Sand Vol.% <b>0</b>	% LGS <b>6.23</b>	MBT <b>10</b>	Mud type <b>NCPOL</b>	Water Well # <b>HRDH-834, HRDH-803</b>					
MUD TREATMENT	<b>BARITE</b>	<b>DRILL-THIN RESINEX II</b>	<b>PACLV</b>	<b>ASPHASOL</b>	<b>CACO3-25</b>											
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out					
	<b>5RR</b>	<b>M423</b>	<b>8.375</b>	<b>SMT</b>	<b>SM1603</b>	<b>MSI616C / 1 X 13 / 5 X 14 /</b>	<b>0.881</b>	<b>9234</b>	<b>9234</b>							
DRILL STRING	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
												<b>450</b>	<b>164</b>	<b>276.49</b>		<b>121</b>
	Float	<b>Y</b>														
	BHA Hrs:															
	String Wt.	Pick Up	Slack Off		Rot. Torque		Jars: Serial #/Hrs	/	Shock Sub:	/	Shock Sub:	/		Mud Motor:	/	/
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	<b>1</b>	<b>Bit</b>			<b>SMT</b>	<b>8.375</b>	<b>1</b>	<b>8.375</b>		<b>0.8</b>	<b>4-1/2" REG</b>	<b>NA</b>			<b>RR</b>	<b>SM1603</b>
	<b>2</b>	<b>RSS</b>			<b>SPS</b>	<b>6.75</b>	<b>1</b>	<b>6.75</b>	<b>1.5</b>	<b>26.65</b>	<b>4-1/2" IF</b>	<b>4-1/2" REG</b>				<b>IC6135</b>
	<b>3</b>	<b>Measurement While Drilling (MWD)</b>			<b>SPS</b>	<b>6.75</b>	<b>2</b>	<b>6.75</b>		<b>9.21</b>	<b>4-1/2" IF</b>	<b>4-1/2" IF</b>				<b>13565136</b>
	<b>4</b>	<b>Stabilizer</b>			<b>SPS</b>	<b>8.35</b>	<b>1</b>	<b>8.35</b>		<b>5.11</b>	<b>4-1/2" IF</b>	<b>4-1/2" IF</b>				<b>13020441</b>
	<b>5</b>	<b>Screen sub</b>			<b>SPS</b>	<b>6.75</b>	<b>2</b>	<b>6.75</b>		<b>13.39</b>	<b>4-1/2" IF</b>	<b>4-1/2" IF</b>				<b>13024514</b>
	<b>6</b>	<b>Float Sub</b>			<b>WDS</b>	<b>6.75</b>	<b>2</b>	<b>6.75</b>	<b>3</b>	<b>3.67</b>	<b>4-1/2" IF</b>	<b>4-1/2" IF</b>		<b>WFDMRD</b>		<b>10244744-1</b>
	<b>7</b>	<b>Crossover</b>			<b>RIG</b>	<b>6.75</b>	<b>1</b>	<b>6.75</b>	<b>3</b>	<b>3.5</b>	<b>XT54</b>	<b>4-1/2" IF</b>				
	<b>8</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>5.5</b>	<b>3</b>	<b>5.5</b>	<b>2.875</b>	<b>92.55</b>	<b>XT54</b>	<b>XT54</b>				
	<b>9</b>	<b>Hydraulic Jar</b>			<b>OJR</b>	<b>6.75</b>	<b>1</b>	<b>6.75</b>	<b>3</b>	<b>31.79</b>	<b>XT54</b>	<b>XT54</b>				
	<b>10</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>5.5</b>	<b>15</b>	<b>5.5</b>	<b>2.875</b>	<b>462.6</b>	<b>XT54</b>	<b>XT54</b>				
	<b>11</b>	<b>Drillpipe</b>			<b>RIG</b>	<b>5.5</b>	<b>1</b>	<b>5.5</b>	<b>3</b>		<b>XT54</b>	<b>XT54</b>				
Miscellaneous	BOP Test <b>02/26/2023</b>		BOP Drills <b>AS REQUIRED</b>			Wind <b>N-S</b>		Sea <b>N/A</b>		Weather <b>SEASONAL</b>			DSLTA		Safety Meeting <b>PRE-TOUR</b>	
	Real-Time Data Quality			Sensors Quality			<b>0%</b>	Data Frequency			<b>50%</b>	Real-Time Hrs			<b>10.72/24 hrs</b>	
Personnel and Services Information	COMPANY		<b>SCC</b>	<b>SPS</b>	<b>RIG</b>	<b>EMC</b>	<b>SMI</b>	<b>WUD</b>	<b>SGR</b>	<b>RIG</b>	<b>ARM</b>	<b>ARM</b>	<b>GEP</b>			
	CATEGORY		<b>CTR G</b>	<b>DPDS</b>	<b>RIG</b>	<b>DFMS</b>	<b>DFMS</b>	<b>MPD</b>	<b>MLS</b>	<b>OTHR</b>	<b>OTHR</b>	<b>WSC</b>	<b>WHES</b>			
	NO. OF PERSONS		<b>13</b>	<b>4</b>	<b>37</b>	<b>1</b>	<b>6</b>	<b>7</b>	<b>4</b>	<b>10</b>	<b>2</b>	<b>2</b>	<b>1</b>			
	OPERATING HRS.		<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>12</b>			Total <b>87</b>

	ON LOCATION HRS.	24	24	24	24	24	24	24	24	12	
Trucks/Boats	Standby/Tankers <b>PICK UP TRUCK AB-6168</b>										
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS <b>137</b>	Fuel- BBLS <b>464</b>	Barite- SX <b>218</b>	Bentonite - SX <b>42</b>	Cement G- SX <b>1500</b>					
REPAIR ASAP	Instrumentation	Other									Reporter

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>UTMN-3049 (THIS WELL TO BE DRILLED AS MK-1 J-SHAPE TO 200' IN TAWIL TARGET - PKFU &amp; KHUFF)</b> Charge #: <b>(66- 22057- 3049)</b> Wellbores: (0) UTMN_3049_0	Rig <b>ADC-52</b> Foreman(s) Engineer Superintendent <b>STILBORN, CHADWICK QUARTEN/ SLIMANI, ABDELHALIM/ ZAREA, TURKI NASSER/ HUAIMI, AHMED ABDULAZIZ</b>
		THURAYA <b>0088-216-777-12774</b> RIG FORMAN VSAT <b>5773914</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>14379</b>	<b>RUN HALLIBURTON 4-1/2" UPPER COMPLETION.</b>	<b>CONT'D RUN 4-1/2" HALLIBURTON UPPER COMPLETION, DRIFT TUBING, DISPLACE WELL TO CLEAN WATER, SET ANCHOR, SPACE OUT AND MU TUBING HANGER, PICKLING JOB.</b>	<b>UTMN-3049</b>	<b>66.4</b> (12/22/2022@2000)	<b>KFBC 12183 55' TVD DEEPER KFCC 12655 60' TVD DEEPER KFDA 12936 74' TVD DEEPER BKDC 13531 6' TVD DEEPER PUZU 13620 TWLF 13855 64' TVD DEEPER</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>14379</b>	<b>4 1/2</b>	<b>12144</b>	<b>14375</b>	<b>14013</b>	<b>9 5/8</b>	<b>1044410350</b>		<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
01.0	0500 - 0600	0		C	COMP	HT	PEL	GOC	14379	14379			HPJSM. R/U AL GHAITH POWER TONGS & LIFTING EQUIPMENT FOR 4-1/2" TUBING & FUNCTION TEST. * TEST AND CALIBRATE JAM UNIT M/U TORQUE.
00.5	0600 - 0630	0		C	COMP	PJSN	TBG	RIG	14379	14379			HPJSM WITH ALL PERSONS FOR HALLIBURTON UPPER COMPLETION.
01.5	0630 - 0800	0		C	COMP	HT	PBR	HCO	14379	14379			P/U 4-1/2" MULE SHOE + HALL VERSA FLEX TBR SEAL UNIT+ COMPRESSION SET PERMANENT ANCHOR + 4-1/2" 15.1# Q125 VAM TOP HC PUP JNT + HALL PBR ASSEMBLY + NO-GO SEAL UNIT LOCATOR + 4-1/2" VM-125HC VMTOP HC PUP JNT (ASSEMBLY#1) * DRIFTED ASSEMBLY#1 OFFLINE AS PER HALLIBURTON INSTRUCTION.
01.0	0800 - 0900	0		C	COMP	DTU	DRFT	MSL	14379	14379			HPJSM, P/U MANSOORI LUBRICATOR ASSMEBLY & SHEAVES. RUN MANSOORI SLICKLINE 3.75" DRIFT TO TAG PSA NO-GO LOCATOR @ 52'. POH & RIH W/ 3.65" DRIFT TO 100' - OK. L/D SLICKLINE LUBRICATOR & SHEAVES.
04.5	0900 - 1330	0		C	COMP	RPCS	UPCOM	GOC	14379	14379	100	3855	M/U & RIH W/ 4-1/2" 15.2# TN-125HC T.BLUE TUBING ON HES UPPER COMPLETION SEAL ASSEMBLY TO 3,855'. * TOTAL 4-1/2" JNT RUN: 93/304 JNTS TORQUED TO OPT @ 8150 FT-LB WITH AL GHAITH JAM UNIT. * ASSEMBLY#2: 15.1# VTHC PUP + X-O + 4-1/2" 13.5# VTHC PUP.
02.5	1330 - 1600	0		C	COMP	DTU	DRFT	MSL	14379	14379			R/U MANSOORI SLICK LINE & LUBRICATOR, P/T TO 500 PSI & RIH 3.75" DRIFT TO 3,782'. L/D SLICKLINE & LUBRICATOR.
09.0	1600 - 0100	0		C	COMP	RPCS	UPCOM	GOC	14379	14379	3855	9644	CONTINUE TO P/U, M/U & RIH WITH 4-1/2" 13.5# VM-95-HCSS VT-HC UPPER COMPLETION STRING TO 9,644'. * TOTAL 4-1/2" JNT RUN: 240/304 JNTS TORQUED TO OPT @ 5210 FT-LB WITH AL GHAITH JAM UNIT.
02.2	0100 - 0315	0		C	COMP	DTU	DRFT	MSL	14379	14379			R/U MANSOORI SLICK LINE & LUBRICATOR, P/T TO 500 PSI & RIH 3.795" DRIFT TO 5,794'. L/D SLICKLINE & LUBRICATOR.
00.5	0315 - 0345	0		C	COMP	HT	PLUGN	HCO	14379	14379			P/U & M/U UPPER R-NIPPLE WITH FLOW COUPLING ASSEMBLY#3 & 01 JT 4-1/2" TBG 13.5# VM-95-HCSS VT-HC. (241/304 JTS). * ASSEMBLY#3: 4-1/2" PUP JNT, FLOW COUPLING, 3.688" R-NIPPLE, FLOW COUPLING & 4-1/2" PUP JNT. * DRIFTED ASSEMBLY#3 OFFLINE AS PER HALLIBURTON INSTRUCTION.
01.2	0345 - 0500	0		C	COMP	RPCS	UPCOM	GOC	14379	14379	9644	10462	CONTINUE TO P/U, M/U & RIH WITH 4-1/2" 13.5# VM-95-HCSS VT-HC UPPER COMPLETION STRING TO 10,462'. * KPI: 13.5 JNTS/HR, ACTUAL: 16 JNTS/HR. * TOTAL 4-1/2" JNT RUN: 260/304 JNTS TORQUED TO OPT @ 5210 FT-LB WITH AL GHAITH JAM UNIT.

UTMN-3049 IS PLANNED TO BE DRILLED AS MK-1 J-SHAPE WELL DESIGN TO 200 FT INTO TAWIL TARGETING PRE-KHUFF AND KHUFF AS PRIMARY AND SECONDARY OBJECTIVES RESPECTIVELY. THE WELL WILL BE COMPLETED WITH 4-1/2" 15K CEMENTED LINER.

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**CSG SETTING DEPTHS:**

- 30" CSG @ 120' MD (PLAN) / NONE.
  - 24" CSG @ 523' MD (PLAN) / 554' MD (ACTUAL).
  - 18-5/8" CSG @ 2,568' MD (PLAN) / 2596' MD (ACTUAL).
  - 13-3/8" CSG @ 6,041' MD (PLAN) / 6,070' MD (ACTUAL).
  - 9-5/8" CSG @ 10,482' MD (PLAN) / 10444' MD/10,350' TVD (ACTUAL).
  - 7" CSG @ 12,454' MD (PLAN) / 12478' MD (ACTUAL).
  - 4-1/2" CSG @ 14,381' MD (PLAN) / 14,379' MD (ACTUAL).
- =====

**RIG KPI:**

- \* DP TRIPPING SPEED (CASED HOLE) KPI: 19 STDS/HR, ACTUAL:
- \* RUN 24" CSG: 4 JTS/HR, ACTUAL: 5.4 JTS/HR.
- \* RUN 18-5/8" CSG: 7 JTS/HR, ACTUAL: 7.2 JTS/HR.
- \* RUN 13-3/8" CSG: 11.5 JTS/HR, ACTUAL: 14.2 JTS/HR.
- \* RUN 9-5/8" CSG: 14 JTS/HR, ACTUAL: 15.6 JTS/HR.
- \* RUN 7" CSG: 14 JT/HR , ACTUAL: 14.57 JTS/HR.
- \* RUN 4-1/2" LINER: 13.5 JT/HR , ACTUAL: 16.7 JTS/HR.

**SAFETY SUMMARY:**

DISCUSSED CURRENT OPERATION RIH UPPER COMPLETION.

HSE ALERT 22-23 AUXILIARY CYLINDER FRAME DAMAGE WHILE LOWERING THE MAST.

HSE ALERT 13-23 TUBING DROPPED FROM V-DOOR DUE TO FAILURE OF SINGLE JOINT ELEVATOR.

DISCUSSED SWI: PICK-UP BHA AND RACK BACK AS STANDS

PINCH PINTS, EJECTION AND ENTANGLE HAZARDS WITH POWER TONG.

DISCUSSED SAFE OPERATING STEPS WHILE PICKING UP TUBING WITH AIR WINCH.

PRECAUTIONS DURING CSE AND ISOLATION PROCEDURE.

FEED BACK FROM THE CREW.

**REPORTED STOP CARD IN ARAMCO SLS: 18.**

DRILLS: NONE.

NEAR MISS: NONE.

INCIDENT: NONE.

STOP WORK AUTHORITY: 5.

ARAMCO CLERK - SHAKIR SAFEER (8162122) ON DUTY SINCE 6-JUNE-2022.

ARAMCO PDP - RAKAN ALAOUDH (798246) ON LOCATION ON 24-FEB-2023.

**RENTAL EQUIPMENT:**

SINOPEC H2S WIRELESS DETECTION SYSTEM SINCE 12/18/2022.

SGA#1: 2.2 KM NW - 25.0139663 N 49.3181470 E.

SGA#2: 2 KM SE - 25.0153889 N 49.3450177 E.

**DAILY COMMUNICATION CALLS TO SITE 24, 577-3664 UTMN-3045 WO OPERATIONS.**

Remarks

**ARAMCO DE ZAREA TURKI NASSER BADGE #756930 ON LOCATION FOR UPPER COMPLETION.**

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS				
MUD DATA	Weight <b>100</b>	PCF <b>0</b>	Funnel Vis. <b>SEC</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>1</b>	YP <b>4</b>	Electrical Stability 0 Volts	3/6 RPM <b>1 / 2</b>	Gels Sec/Min <b>1 / 2</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>1800</b>						
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol.% <b>100</b>	Oil Vol.% <b>0</b>	Solids Vol.% <b>0</b>	Sand Vol.% <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>MXBROBM</b>	Water Well # <b>UTMN-864, UTMN-900</b>								
	Weight <b>100</b>	PCF <b>0</b>	Funnel Vis. <b>SEC</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>1</b>	YP <b>4</b>	Electrical Stability 0 Volts	3/6 RPM <b>1 / 2</b>	Gels Sec/Min <b>1 / 2</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>1800</b>						
	FL Temp <b>120</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol.% <b>100</b>	Oil Vol.% <b>0</b>	Solids Vol.% <b>0</b>	Sand Vol.% <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>MXBROBM</b>	Water Well # <b>UTMN-864, UTMN-900</b>								
MUD TREATMENT																			
BIT DATA																			
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #					
Miscellaneous	BOP Test <b>02/25/2023</b>		BOP Drills <b>02/25/2023</b>		Wind <b>MILD</b>		Sea <b>NA</b>		Weather <b>COOL &amp; DRY</b>		DSLTA		Safety Meeting <b>TOURLY</b>						
	Real-Time Data Quality			Sensors Quality <b>0%</b>			Data Frequency <b>100%</b>			Real-Time Hrs <b>10.74/24 hrs</b>									
Personnel and Services Information	COMPANY		GOC <b>CSR</b>	SUW <b>CTRG</b>	HCO <b>PSSC</b>	RIG <b>RIG</b>	EMC <b>DFMS</b>	MJH <b>SEC</b>	MIF <b>FILT</b>	SNS <b>H2S</b>	RIG <b>OTHR</b>	ARM <b>OTHR</b>	MSL <b>SLS</b>	OTH <b>VAC</b>	ARM <b>WSC</b>	SAM <b>WBCS</b>	MI2 <b>SCS</b>	GEP <b>WHES</b>	Total <b>103</b>
	CATEGORY																		
	NO. OF PERSONS		<b>4</b>	<b>13</b>	<b>1</b>	<b>41</b>	<b>2</b>	<b>5</b>	<b>3</b>	<b>1</b>	<b>10</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>9</b>	<b>2</b>	
	OPERATING HRS.		<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>24</b>	<b>10</b>	<b>24</b>	<b>0</b>	<b>15</b>	<b>0</b>	
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>5</b>	<b>15</b>	<b>15</b>	
Trucks/Boats	Standby/Tankers <b>AB-6427</b>																		
BULK	Drill Wtr.-BBLS <b>1000</b>	Pot Wtr.- BBLS <b>0</b>	Fuel- BBLS <b>356</b>	Barite- SX <b>77</b>	Bentonite - SX <b>33</b>	Cement G- SX <b>1000</b>													
REPAIR ASAP	Instrumentation	Other															Reporter		
	Computer, Communication & V-Sat Issues																		

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HRDH-1551 (DUAL LATERAL PRODUCER TARGETING ARBD WITH ISORITE COMPLETION)</b> Charge #: <b>(66- 22058- 1551)</b> Wellsites: (0) HRDH_1551_0	Rig <b>ADC- 53L</b>	Foreman(s) <b>ELAMRITY, SAMER AHMED/ ELKAWASS, AMIR ABDELHAMID/ ALKHALDI, HAMAD AZZAM</b>
		THURAYA <b>008821677712565</b>	RIG FORMAN VSAT <b>0135784179</b>
		OTHER VSAT <b>0135784290</b>	CONTRACTOR/CLERK VSAT <b>0135784039</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>12516</b>	<b>POOH &amp; LD LNR SETTING TOOL. RIH HALL. LATCH COUPLING CLEANING TOOL, CHECK ORIENTATION &amp; CLEAN LATCH COUPLING, POOH &amp; LD SAME, MU &amp; RIH VHR PKR</b>	<b>CONTINUE RIH &amp; SET VHR PKR. POOH &amp; LD RUNNING TOOL. MU &amp; RIH HALL. MLT MILLING MACHINE &amp; CUT 1ST PASS WINDOW. CHC &amp; POOH. RIH 9- 5/8" CO BHA.</b>	<b>262.6 KM FROM DMG, TURN RIGHT TO AL- KHARJ ROAD FOR 2 KM, RIGHT SIDE FOR 01 KM SKID ROAD.</b>	<b>37.6</b> (01/20/2023@1400)	<b>MDTM 4295 8 FT SHALLOWER SULY 4857 (4862' MD ) 1 FT DEEPER AS PER GOC. HITH 5467 (5534' MD) 5 FT SHALLOWER AS PER GOC. ABAR 5916 (6133' MD) AS PER GOC ARBB 5965 (6206' MD) AS PER GOC ABBR 6039 (6323' MD) AS PER GOC ABCR 6175 (6564' MD) AS PER GOC ARBC 6178 (6378' MD) AS PER GOC ARBD 6310 (6888' MD) AS PER GOC PADS 6399 (7352' MD) AS PER GOC BPDS 6403 (7416' MD) AS PER GOC ABD1 6433 (8910' MD) AS PER GOC AD2A 6451 (9207' MD) AS PER GOC 2A05 6460 (9417' MD) AS PER GOC</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>12516</b>	<b>7</b>	<b>7700</b>			<b>9 5/8</b>	<b>7906</b>	<b>6413</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
00.8	0500 - 0545	0		C	COMP	HT	PKR	BC	12516	12516			CONT'D POOH 4-1/2" MB BAKER LWR COMPLETION RUNNING TOOL TO SURFACE, L/D & INSPECT BHI RUNNING TOOL, NO DAMAGE.
00.5	0545 - 0615	0		N	MILL	PJSN	NA	RIG	12516	12516			HPJSM FOR P/UP HALLIBURTON MLT LATCH COUPLING CLEANING TOOLS.
02.0	0615 - 0815	0		N	MILL	HT	BHA	RIG	12516	12516			P/U & MU HALLIBURTON LATCH COUPLING CLEANING TOOLS WITH BHI MWD, ALIGNED HALL. TOOLS WITH MWD & SHALLOW TEST.
04.0	0815 - 1215	0		N	MILL	TI	STDP	RIG	12516	12516	0	7447	RIH WITH HALLIBURTON LATCH COUPLING CLEANING TOOLS TO 7, 400 FT. RECORD PU.WT 205, SO.WT 165 & FREE TORUQE 7 KLBS.FT. LATCH COUPLING DEPTH @ 7,447', 02 FT HIGHER.
02.0	1215 - 1415	0		N	MILL	CIRC	MPMP	RIG	12516	12516			RIH AND SLOWLY TAG THE LATCH COUPLING WITH 5 KLBS. MEANWHILE JET LATCH COUPLING WITH 500 GPM, AS PER HALLIBURTON, - PUSH AND PULL ASSEMBLY THROUGH THE LATCH COUPLING. - LATCHING IN AS PER HALLIBURTON PROCEDURES & RECORDED 03 CONSISTENT MWD READINGS CONFIRM LATCH COUPLING ORIENTATION 297 DEG.
01.2	1415 - 1530	0		N	MILL	CIRC	MPMP	RIG	12516	12516			CIRC. CONDITION BRINE 68 PCF & CHC. FLOW CHECK- WELL STATIC..
04.0	1530 - 1930	0		N	MILL	TO	STDP	RIG	12516	12516	7447	0	POOH WITH HALLIBURTON LATCH COUPLING CLEANING TOOLS TO SURFACE. - RECHECKED THE SCRIBE LINE MEASUREMENT TO CONFIRM NO CHANGE.
01.5	1930 - 2100	0		N	MILL	HT	BHA	RIG	12516	12516			HPJSM, L/D HALLIBURTON LATCH COUPLING CLEANING TOOLS & L/D BHI MWD.
00.5	2100 - 2130	0		N	MILL	RR	TDS	RIG	12516	12516			HPJSM, SERVICED TDS AND HOUSEKEEPING RIG FLOOR.
01.0	2130 - 2230	0		C	COMP	HT	PEL	BCR	12516	12516			HPJSM. R/U NABORS 4-1/2" TBG RUNNING EQUIPMENT & JAM UNIT.
00.5	2230 - 2300	0		C	COMP	PJSN	PKR	HCO	12516	12516			HOLD PRE-JOB SAFETY MEETING WITH ALL PERSONNEL INVOLVED IN OPERATION BEFORE PU VHR RETRIEVABLE PACKER & POLISHED BORE ASSY.
00.5	2300 - 2330	0		C	COMP	HT	PKR	HCO	12516	12516			HPJSM, P/U, M/U 9-5/8" HALL. VHR RETRIEVABLE PACKER & POLISHED BORE ASSY. - ASSY#1: 4.5" MULE SHOE GUIDE + 4-1/2" PJ + 1 X 4-12" 12.6# L-80, NEW VAM TBG JT.
00.8	2330 - 0015	0		C	COMP	DTU	DRFT	BTT	12516	12516			HPJSM, R/U BAKER SLICK LINE & DRIFT W/3.833" @ 43' & R/D SAME.
00.5	0015 - 0045	0		C	COMP	HT	PKR	HCO	12516	12516			CONT'D P/U, M/U 9-5/8" HALL. VHR RETRIEVABLE PACKER & POLISHED BORE ASSY. - ASSY#2: 4-1/2" INTERWELL IRVS CERAMIC DISK + 2 X 4-1/2" PJ + 1 X 4-12" 12.6# L-80, NEW VAM TBG JT
00.5	0045 - 0115	0		C	COMP	DTU	DRFT	BTT	12516	12516			R/U SLICK LINE & DRIFT W/3.833" @ 43' & R/D SAME.
00.8	0115 - 0200	0		C	COMP	HT	PKR	HCO	12516	12516			CONT'D P/U, M/U 9-5/8" HALL. VHR RETRIEVABLE PACKER & POLISHED BORE ASSY. & RIH TO 164 FT. - ASSY#3: 4-1/2" HALL. VHR RETRIEVABLE PKR ASSY.+ 2 X 4-1/2" PJ. - ASSY#4: 4-1/2" HALL. PBR ASSY. W/CIRC. SUB + 1 X 4-1/2" PJ.
03.0	0200 - 0500	0		C	COMP	HT	PKR	HCO	12516	12516			CONT'D RIH 9-5/8" HALL. VHR RETRIEVABLE PACKER & POLISHED BORE ASSY. ON DRIFTED 5" DP TO 3,750 FT. - CONTRIOL RUNNING SPEED AT 30 FT/MIN AS PER HALLIBURTON PROCEDURES.

===== WELL OBJECTIVE =====

THIS WELL WILL BE DRILLED AS A DUAL LATERAL PRODUCER TARGETING ARBD RESERVOIR, ZONE 2A05. THE WELL WILL BE COMPLETED WITH LOWER COMPLETION REGARDLESS OF LOSSES AND HALLIBURTON ISORITE LATERAL RE-ENTRY SYSTEM.  
 - GOR ARBD: 470 SCF/BBL, H2S ARBD: MOLAR 0.5 %, RER 1/2 LFL: 225 M, RER 100 PPM: 354 M, RER 30 PPM: 598 M.

===== WELL DESIGN =====

- DRILL 34" HOLE SECTION X 30" PLANNED CP @ 467 FT, (+/-50 FT TVD INTO RUS). ACTUAL 467 FT.
- DRILL 28" HOLE SECTION X 24" PLANNED CP @ 1200 FT, (+/-120 FT TVD INTO ARAMCO). ACTUAL 1,178 FT.
- DRILL 22" HOLE SECTION X 18-5/8" PLANNED CP @ 2,059 FT, (+/-50 FT TVD INTO AHMADI). ACTUAL 2,059 FT.
- DRILL 17" HOLE SECTION X 13-3/8" PLANNED CP @ 4,353 FT, (+/-50 FT INTO MID THAMAMA). ACTUAL 4,340 FT.
- DRILL 12-1/4" HOLE SECTION X 9-5/8" PLANNED CP @ 7,810 FT, (+/- 500 FT TVD INTO BPDS). ACTUAL 7,910 FT.
- DRILL 6-1/8" LO LATERAL OH TO 12,476 MD/ 6,513 FT TVD). ACTUAL 12,516 FT MD / TVD.
- DRILL 6-1/8" L1 LATERAL OH TO 12,231 MD/ 6,467 FT TVD). ACTUAL \*\*\*\* FT MD / TVD.

===== ARAMCO PERSONNEL ON LOCATION =====

- ARAMCO FCT DOED AFAMDI AHMAD #295367 ON LOCATION SINCE FEB 21ST 2023.
  - HALL. COMPLETION ENGINEER FOR VHR PKR ON LOCATION SINCE 02/24/2023.
  - HALL. MULTI-LATERAL ENGINEERS ON LOCATION SINCE 02/25/2023.
  - PETROLIZE MUD ENGINEER ON LOCATION SINCE 02/25/2023 & LEFT ON 02/26/2023.
  - INTERWELL ENGINEER FOR IRSV (CERAMIC DESK) ON LOCATION SINCE 02/25/2023.
- ===== LSTK OR CONTRACTOR PERSONNEL ON LOCATION =====
- THIS IS A BAKER PROJECT LUMP-SUM TURN-KEY WELL, BAKER DSV: NAFEA/ ABDELRAHMAN. BHI HSE: NO, BHI SUPT: NO.

===== NEXT WELL=====

- HRDH-368 (STATUS :70%, APPROVED DRLG PROG: YES).

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec		DLS						
MUD DATA	Weight <b>68</b> PCF	Funnel Vis. <b>26</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9.7</b>	CA PPM <b>0</b>	CL PPM <b>65000</b>								
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>94</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>6</b>	Sand Vol. % <b>0</b>	% LGS	MBT	Mud type <b>WBM-NAC</b>	Water Well # <b>HRDH-879</b>									
	Weight <b>68</b> PCF	Funnel Vis. <b>26</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9.6</b>	CA PPM <b>0</b>	CL PPM <b>65000</b>								
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>94</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>6</b>	Sand Vol. % <b>0</b>	% LGS	MBT	Mud type <b>WBM-NAC</b>	Water Well # <b>HRDH-879</b>									
MUD TREATMENT	NACL <b>20</b> (2200L)	CAOH2 <b>3</b> (40LB)	XANPLEX-D <b>5</b> (25KG)																	
BIT DATA	Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #																			
DRILL STRING	BOP Test <b>02/15/2023</b> BOP Drills <b>02/23/2023</b> Wind <b>NORMAL</b> Sea <b>N/A</b> Weather <b>SEASONAL</b> DSLTA Safety Meeting <b>TWICE DAILY</b>																			
Miscellaneous	Real-Time Data Quality		Sensors Quality		100%	Data Frequency		100%	Real-Time Hrs		10.99/24 hrs									
Personnel and Services Information	COMPANY		BTT	BCM	BCR	SUW	HCO	RIG	BDF	SNS	BLH	BHI	HML	TK2	RIG	ARM	TK2	ARM	BWC	Total <b>94</b>
	CATEGORY		SLS	PCS	CSR	CTRG	PSSC	RIG	DFMS	H2S	LHES	LWD	MULS	OTHR	OTHR	OTHR	WSC	WSC	WBCS	
	NO. OF PERSONS		3	3	4	15	1	40	1	1	2	4	2	2	11	1	2	1	1	
	OPERATING HRS.		2	0	5	0	9	24	24	12	1	20	20	12	12	12	24	24	0	
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers <b>DH-3073</b>																			
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>564</b>		Barite- SX		Bentonite - SX		Cement G- SX <b>1300</b>											
REPAIR ASAP	Instrumentation		Other		Computer, Communication & V-Sat Issues												Reporter			

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Date	Well No (Type) :	Rig	Foreman(s)	<b>BENTIRECHE, LAMINE/</b>		
MONDAY 02/27/2023	<b>HRDH-587 (SINGLE-LATERAL OIL PRODUCER (PHZ))</b>	<b>ADC- 54L</b>	Engineer	<b>ALMALEKI, HESHAM ABDULMALEK/</b>		
	Charge (66- 22058-#: <b>0587</b> )	Superintendent		<b>ALKHALDI, HAMAD AZZAM</b>		
	Wellbores: (0) HRDH_587_0		THURAYA	RIG FORMAN VSAT	OTHER VSAT	CONTRACTOR/CLERK VSAT
			+8821677712645	013-572-3076	013-813-7810	013-572-4826

Depth	Last 24 hr operations								Next 24 hr plan		Location		Days Since Spud/Comm (Date)		Formation tops				
4220	<b>CONT. COC &amp; RATHOLE, DRILL 10' NEW FM, CHC &amp; DROP GYRO, POOH TO SURFACE, M/U &amp; RIH 8-1/2" MRSS ASSY, MRSS DRLG 8-1/2" DIR. HOLE TO 4220' (REMAIN 3300' TO LP)</b>								<b>MRSS DRLG 8- N 2691976.00 M / E 1/2" DIR. HOLE 300751.00 M, 2 KM TO 7' LINER BEFORE HRDH GOSP2, POINT @ +/- 7520'.</b>		<b>TURN RIGHT SIDE 3KM SKID ROAD.</b>		9.5 (02/17/2023@1600)		<b>RUS</b>	<b>231</b>	<b>PROG</b>		
													<b>UMER</b>	<b>345</b>	<b>PROG</b>				
													<b>UERA</b>	<b>524</b>	<b>PROG</b>				
													<b>ARUM</b>	<b>1040</b>	<b>13' DEEP</b>				
Prev. Depth													<b>LAMS</b>	<b>1655</b>	<b>56' DEEP</b>				
3562													<b>AHMD</b>	<b>1950</b>	<b>15' SHALLOW</b>				
													<b>SFNY</b>	<b>2220</b>	<b>3' DEEP</b>				
													<b>SHUB</b>	<b>3050</b>	<b>28' DEEP</b>				
													<b>BYDH</b>	<b>3260</b>	<b>24' DEEP</b>				
Prev. Depth									Liner Size		TOL		MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
3562									9 5/8		3561		3561	3561	658				100
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations						
00.8	0500 - 0545	0	12 1/4	N	DRLG	DC	TDS	RIG	3562	3562	3561	3562	CONT. DRILL OUT 9-5/8" REAMER SHOE AT 3561' & RATHOLE T/ 3562', 100% RETURN.						
00.2	0545 - 0600	0	8 1/2	N	DRLG	D	TDS	RIG	3562	3572			ROATRY DRILL 10' NEW FORMATION F/ 3562' T/ 3572' W/ 68 PCF POLYMER MUD & 100% RETURN.						
00.8	0600 - 0645	0	8 1/2	N	DRLG	CIRC	MPMP	RIG	3572	3572			SWEEP HOLE W/ 50 BBLS HVP & CIRCULATE HOLE CLEAN, 100% RETURN.						
00.8	0645 - 0730	0	8 1/2	N	DRLG	WCNT	NA	RIG	3572	3572			POOH INSIDE 9-5/8" CSG SHOE & FLOW CHECK, WELL STATIC. DROP GYRO. - RECORD SCR'S.						
01.5	0730 - 0900	0	8 1/2	N	DRLG	TO	STDP	RIG	3572	3572	3572	467	POOH 8-1/2" CLEAN OUT ASSY F/ 3572' TO TOP BHA @ 467'. - MONITOR WELL THRU TRIP TANK & TRIP SHEET, WELL STATIC.						
00.2	0900 - 0915	0	8 1/2	N	DRLG	WCNT	NA	RIG	3572	3572			FLOW CHECK, WELL STATIC.						
01.0	0915 - 1015	0	8 1/2	N	DRLG	HT	BHA	RIG	3572	3572			CONT. POOH 8-1/2" CLEAN OUT BHA F/ 467' TO SURFACE & L/D SAME. - MONITOR WELL THRU TRIP TANK & TRIP SHEET, WELL STATIC. - RETRIEVE GYRO TOOLS (3554' MD, 1.17 DEG INC). - BIT DULL: 1-1-WT-A-E-I-NO-BHA.						
02.8	1015 - 1300	0	8 1/2	N	DRLG	LDP	STRG	RIG	3572	3572	0	0	PU, MU AND RACK BACK 24 STD'S OF 4" DP ON DERRICK. - MONITOR WELL THRU TRIP TANK & TRIP SHEET, WELL STATIC.						
05.0	1300 - 1800	0	8 1/2	N	DRLG	HT	BHA	BHI	3572	3572			HPJSM, PU, MU 8-1/2" MRSS BHA AND RIH TO 386'. - 8-1/2" PDC BIT (TYPE: DD505VX, SN: 7916477, 7*13), ATK STEERABLE STAB, MODULAR MOTOR, MWD STAB, ON TRAK, MWD STAB, BCPM, NM STOP SUB, FLOAT SUB, FILTER SUB, 6 3/4" PBL, 3 X 5" HWDP, 6 1/2" JAR, 5 X 5" HWDP, X-O - PERFORM TOOLS VERIFICATION TEST & SHALLOW TEST. - SHALLOW SURFACE TEST: 505 GPM - 750 PSI CALIBRATE DEPTH SENSOR. - MTR SPECIFICATION: 6-3/4" XL/RS, ULTRA, 0.21 REV/GAL, 500-660 GPM. - SENSORS OFFSET FROM BIT: NB INCLINATION: 6.73', PRESS.: 48.51', GR: 49.40', RESISTIVITY: 53.44', DIRECTIONAL: 59.23'.						
00.5	1800 - 1830	0	8 1/2	N	DRLG	RR	TDS	RIG	3572	3572			TDS SERVICE						
03.5	1830 - 2200	0	8 1/2	N	DRLG	LDP	STRG	RIG	3572	3572	386	3572	RIH WITH 8-1/2" MRSS/MWD ASSY WHILE PICKING UP 4" DP FROM PIPE RACKS TO 3130'. WASH DOWN TO BTM @ 3572'. - MONITOR WELL THRU TRIP TANK & TRIP SHEET, WELL STATIC.						
00.5	2200 - 2230	0	8 1/2	N	DRLG	CIRC	MPMP	RIG	3572	3572			CUMULATIVE TIME TO FILL UP STRING AND VERIFICATION TEST DD TOOLS.						
01.2	2230 - 2345	0	8 1/2	N	DRLG	CIRC	MPMP	RIG	3572	3572			DISPLACE HOLE TO 77 PCF OBM, CIRC. & CONDITION MT IN=OUT=77 PCF. - FLOW CHECK, WELL STATIC.						
00.2	2345 - 0000	0	8 1/2	N	DRLG	WCNT	NA	RIG	3572	3572			POOH INSIDE 9-5/8" CSG SHOE & FLOW CHECK - WELL STATIC, RECORD SCR.						
04.5	0000 - 0430	0	8 1/2	N	DRLG	DMR	MRSS	BHI	3572	4220			MRSS DRILL 8-1/2" DIRC. HOLE F/ 3572' T/ 4220' W/ 77 PCF OBM & 100% RETURNS. - FOLLOW PLAN HRDH-587_0_REV-E.0 (PWP) AND GOC INSTRUCTIONS. - WASH UP AND REAM DOWN ONE SINGLE EACH STAND. - SWEEP HOLE WITH 30 BBL HVP EVERY 3 STD'S DRILLED. - LAST SURVEY: 4105 FT MD, INC: 0.06DEG, AZM: 171.08 DEG,						

TVD: 4104.79 FT.  
 - NORMAL TRQ & DRAG WITH REASONABLE CUTTINGS  
 QUANTITY & SIZE ON SHALE SHAKERS.

HRDH-587 WELL BE DRILLED AS A SINGLE-LATERAL OIL PRODUCER (PHZ) WELL TARGETING ARAB-D RESERVOIR. THE WELL WILL BE COMPLETED WITH LOWER COMPLETION AND BAKER UPPER COMPLETION WITHOUT PDHMS.

=====WELL DESIGN=====

\*\* 24" CP PLANNED/ACTUAL: 539 FT (15' BELOW UER WATER LEVEL)/ 536 FT.

\*\* 13-3/8" CP PLANNED/ACTUAL: 2010 FT (50' INSIDE AHMADI FM)/ 2032 FT.

\*\* 9-5/8" CP PLANNED/ACTUAL: 3536 FT (300' TVD INSIDE BIYADH)/ 3561 FT.

\*\* KOP: 4200 FT / XXX FT.

\*\* 7" LINER PLANNED/ACTUAL: 7504 FT (2' TVD ABOVE ABD1)/ XXX FT.

\*\* L-0 (MB): PLANNED TD 10845 FT MD, ACTUAL TD XXX FT MD.

\*\* TOTAL WELL FOOTAGE PLANNED / ACTUAL: 10810 FT/XXX FT; TOTAL RC PLAN/ACTUAL: 3340 FT / XXX FT.

=====ARAMCO PERSONNEL ON LOCATION=====

\* ARAMCO FOREMAN AMRIOUI KAMAL #8586973 ON LOCATION SINCE 02/15/2023.

\* NEW ARAMCO ME MOHAMMED ALFALAH # 8589419 ON LOCATION SINCE 02/21/2023.

=====NEXT WELL=====

\* HRDH-1543 (90% READY), W.W: HRDH-803, DP & ERP: NO/NO.

\* HRDH-348 (80% READY), W.W: HRDH-846, DP & ERP: NO/NO.

Remarks

Lateral	Survey MD			Angle		Azimuth		CLength		TVD		N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec		DLS						
MUD DATA	Weight			Funnel Vis.		Filtrate(WL)		Filtrate (WL)		PV		YP		Electrical Stability		3/6 RPM		Gels Sec/Min		PH	CA PPM	CL PPM				
	<b>77</b> PCF			<b>50</b> SEC		<b>8</b> HTHP		API		<b>23</b>		<b>16</b>		<b>1100</b> Volts		<b>6 / 8</b>		<b>9 / 10</b>		<b>0</b>	<b>0</b>	<b>31000</b>				
	FL Temp			Cake HTHP		Cake API		Water Vol. %		Oil Vol. %		Solids Vol. %		Sand Vol. %		% LGS		MBT		Mud type	Water Well #					
	<b>0</b>			<b>1</b>		<b>0</b>		<b>14</b>		<b>68</b>		<b>18</b>		<b>0</b>		<b>0</b>		<b>OBM</b>		<b>HRDH-843</b>						
MUD TREATMENT	Weight			Funnel Vis.		Filtrate(WL)		Filtrate (WL)		PV		YP		Electrical Stability		3/6 RPM		Gels Sec/Min		PH	CA PPM	CL PPM				
	<b>77</b> PCF			<b>50</b> SEC		<b>8</b> HTHP		API		<b>23</b>		<b>16</b>		<b>1100</b> Volts		<b>6 / 8</b>		<b>9 / 10</b>		<b>0</b>	<b>0</b>	<b>30000</b>				
BIT DATA	FL Temp			Cake HTHP		Cake API		Water Vol. %		Oil Vol. %		Solids Vol. %		Sand Vol. %		% LGS		MBT		Mud type	Water Well #					
	<b>0</b>			<b>1</b>		<b>0</b>		<b>14</b>		<b>68</b>		<b>18</b>		<b>0</b>		<b>16</b>		<b>0</b>		<b>OBM</b>	<b>HRDH-843</b>					
	CARBGEL DUOVIS-NS																									
	<b>4</b> (55LB)			<b>4</b> (55LB)																						
DRILL STRING	Bit Number		IADC	Size	Manufacturer	Serial Number		Type		Jets		TFA	MD In	MD Out	TVD Out											
	<b>4RR</b>		<b>517</b>	<b>8.5</b>	HTC	<b>Z738WT</b>		<b>VMD20H / 3 X 32 / 2.356</b>		<b>3562</b>		<b>3572</b>														
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP										
			<b>1</b>		<b>1</b>		<b>WT</b>		<b>A</b>		<b>E</b>															
	Bit Number		IADC	Size	Manufacturer	Serial Number		Type		Jets		TFA	MD In	MD Out	TVD Out											
	<b>5RR</b>		<b>M223</b>	<b>8.5</b>	HTC	<b>7916477</b>		<b>DD505VX / 7 X 13 / 0.907</b>		<b>3572</b>		<b>4220</b>														
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP										
			<b>20</b>		<b>242</b>						<b>3420</b>		<b>270</b>	<b>96</b>	<b>117.65</b>			<b>13</b>								
	Float		<b>Y</b>																							
	BHA Hrs:																									
	String Wt.	Pick Up	Slack Off			Rot. Torque			Jars:			/		Shock		/		Mud		/		Motor:				
	Float		<b>Y</b>																							
	BHA Hrs:		<b>4.5</b>																							
	String Wt.	Pick Up	Slack Off			Rot. Torque			Jars:			/		<b>4.5</b>		Shock		/		Mud		/				
	<b>125</b>	<b>130</b>	<b>120</b>			<b>7500</b>			Serial #/Hrs			/		Sub:		/		Motor:		/		<b>4.5</b>				
	Order	Component					Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #								
	<b>1</b>	<b>Bit</b>					HTC	<b>8.5</b>	<b>1</b>	<b>8.5</b>		<b>0.83</b>	<b>4.5"</b>		<b>REG</b>				<b>0</b>							
	<b>2</b>	<b>RSS</b>					BHI	<b>7.57</b>	<b>1</b>	<b>7.57</b>	<b>1.54</b>	<b>9.43</b>	<b>T2</b>	<b>4.5"</b>		<b>REG</b>		<b>0</b>								
	<b>3</b>	<b>Mud Motor</b>					BHI	<b>6.84</b>	<b>1</b>	<b>6.837</b>	<b>5.352</b>	<b>33.6</b>	<b>T2</b>	<b>T2</b>	<b>0</b>						<b>14310544</b>					
	<b>4</b>	<b>Modular Stabilizer</b>					BHI	<b>7</b>	<b>1</b>	<b>7</b>	<b>2.25</b>	<b>3.35</b>	<b>T2</b>	<b>T2</b>	<b>0</b>						<b>12730943</b>					
	<b>5</b>	<b>Measurement While Drilling (MWD)</b>					BHI	<b>6.75</b>	<b>1</b>	<b>6.75</b>	<b>2</b>	<b>16.95</b>	<b>T2</b>	<b>T2</b>	<b>0</b>						<b>14945107</b>					
	<b>6</b>	<b>Modular Stabilizer</b>					BHI	<b>7</b>	<b>1</b>	<b>7</b>	<b>2.25</b>	<b>4.3</b>	<b>T2</b>	<b>T2</b>	<b>0</b>						<b>15658311</b>					
	<b>7</b>	<b>BCPM. Bi-directional Communication and Power Module</b>					BHI	<b>6.75</b>	<b>1</b>	<b>7</b>	<b>2.25</b>	<b>15.85</b>	<b>T2</b>	<b>T2</b>	<b>0</b>						<b>15626652</b>					
	<b>8</b>	<b>Stop Sub</b>					BHI	<b>7</b>	<b>1</b>	<b>6.88</b>	<b>2.81</b>	<b>2.6</b>	<b>4.5"</b>		<b>IF</b>		<b>T2</b>		<b>0</b>		<b>15901303</b>					
	<b>9</b>	<b>Float Sub</b>					BHI	<b>6.75</b>	<b>1</b>	<b>6.8</b>	<b>2</b>	<b>3.46</b>	<b>4.5"</b>		<b>IF</b>		<b>4.5"</b>		<b>0</b>		<b>14129683</b>					
	<b>10</b>	<b>Filter Sub</b>					BHI	<b>6.75</b>	<b>1</b>	<b>6.75</b>	<b>2</b>	<b>6.84</b>	<b>4.5"</b>		<b>IF</b>		<b>4.5"</b>		<b>0</b>		<b>15298372</b>					
	<b>11</b>	<b>PBL (Multiple Activation By Pass)</b>					DSI	<b>6.69</b>	<b>1</b>	<b>6.69&lt;/b</b>																

Miscellaneous	BOP Test <b>02/25/2023</b>	BOP Drills <b>02/25/2023</b>	Wind <b>SEASONAL</b>	Sea <b>N/A</b>	Weather <b>SEASONAL</b>	DSLTA	Safety Meeting <b>DAILY</b>				
	Real-Time Data Quality	Sensors Quality	100%	Data Frequency	100%	Real-Time Hrs	11.49/24 hrs				
	COMPANY	TSC	SUW	RIG	BDF	TK2	RIG	ARM	BCM	TK2	ARM
Personnel and Services Information	CATEGORY	CSR	CTRG	RIG	DFMS	OTHR	OTHR	OTHR	PCS	WSC	WSC
	NO. OF PERSONS	0	14	40	2	5	12	1	0	2	2
	OPERATING HRS.	0	0	24	24	12	12	12	0	24	24
	ON LOCATION HRS.	0	24	24	24	24	24	24	0	24	24
	Standby/Tankers										Total <b>78</b>
Trucks/Boats	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>312</b>	Barite- SX	Bentonite - SX	Cement G- SX <b>2000</b>					
BULK	Instrumentation	Other									Reporter
REPAIR ASAP	Computer, Communication & V-Sat Issues										

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D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY</b> 02/27/2023	Well No (Type) : <b>HWYH-1212</b> (MK1 VERTICAL WELL TARGETING KUFF-C RESERVOIR)	Rig <b>ADC-55L</b>	Foreman(s) <b>ABDELDAYEM, MOHAMED MAHMOUD/ ALHAJRI, KHALID DAKHEEL/ SUPERINTENDENT OMRAN, MOHAMMAD JAFFAR</b>	THURAYA	RIG FORMAN VSAT <b>008821677712648 013-577-3988 ARAMCO 013-664-8814 IDS 013-875-6983 ADC 013-829-7655 CLINIC</b>	OTHER VSAT	OTHER VSAT	OTHER VSAT	CONTRACTOR/CLERK VSAT <b>013-577-3907 CLERK</b>
Charge <b>(66- 22053- #: 1212)</b> Wellbores: (0) HWYH_1212_0									

Depth <b>0</b>	Last 24 hr operations <b>RIG DOWN ON SDGM-1222. RIG MOVE TO HWYH-1212.</b>	Next 24 hr plan <b>RIG DOWN ON SDGM-1222. RIG MOVE TO HWYH-1212.</b>	Location <b>210.26 KM FROM THE DHAHREN MAIN GATE.</b>	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops				
Prev. Depth <b>0</b>	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage <b>0</b>	Circ %

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations	
									Start	End	Start	End
00.5	0500 - 0530 0		N	RM	PJSM	NA	RIG		0	0		
											<b>HPJSM WITH ALL PERSONNEL PRIOR TO STARTING THE RIG DOWN/MOVE ACTIVITY, DISCUSSED RELATED HAZARDS, PRECAUTIONS AND ALERTS. - DISCUSSED AND ENFORCED FOR WORKING AT HEIGHT PRECAUTIONS AND REQUIREMENTS, LINE OF FIRE, RED ZONE &amp; LIFTING OPERATIONS.</b>	
23.5	0530 - 0500 0		N	RM	RD	NA	RIG		0	0		
											<b>RIG DOWN ON WELL SDGM-1222 &amp; RIG MOVE &amp; R/UP ON WELL HWYH-1212. (R/D 80 %, R/M 70 %, R/U 35%):</b>  <b>SDGM-1222:</b> - MOVED MAST 2 SECTIONS. - LOAD & MOVED RIG GENERATORS, VFD & DIESEL TANK. - LOAD & MOVED SUBBASE TOP SECTIONS. - LOAD & MOVED ROTARY TABLE. - LOAD & MOVED DRAWWORKS FRAME. - LOAD & MOVED SUBE BASE FOR DS & OFDS. - LOAD & MOVED RIG FLOOR PLATES. - LOAD & MOVED RIG MATTING & CELLAR GRATING. - LOAD & MOVED ARAMCO DIESEL TANK. - CONT. WASHING / CLEANING CELLAR. - ALMANSOURI INSPECT ALL LIFTING GEARS & PADE EYES ON MAST IN PROGRESS.  <b>HWYH-1212:</b> - CONNECTING MUD TANKS IN PROGRESS. - MOVED MISCELLANEOUS LOADS.  - PRE-MOVE LOADS: 50 LOADS. - DAILY MOVED LOADS: 25 LOADS, CUMULATIVE MOVED LOADS: 155 LOADS. - MOVE EQUIPMENT: 6 CRANES, 2 FORKLIFT, 2 CHERRY PICKER, 13 LOW BED, 4 WINCH TRUCK, 10 FLAT BED & 4 TRUCK PUSHERS & 2 RIGGERS-1..	

- HWYH-1212 IS PLANNED TO BE DRILLED AS MK1 VERTICAL WELL, TARGETTING KHUFF-C RESERVOIR AS A PRIMARY TARGET AND KHUFF-B AS A SECONDARY TARGET AND WILL BE COMPLETED WITH 15K CEMENTED LINER.

- WATER WELLS: SDGM- 983 & SDGM-807

===== ARAMCO PERSONNEL =====

- ARAMCO GDD FIELD COMPLIANCE TECHNICIAN - ASAAD AKBAR #796636 ON LOCATION 02/15/2023  
- ARAMCO MATERIAL CLERK NAWAF ALSHALAWI # 816284 OFF LOCATION 02/22/2023.

===== IDS PERSONNEL =====

- WSL: NISAR .

- NWSL: MUSTAFA.

===== LAST CONTRACTOR VISIT, IDS & ADC=====

- ADC COO STEPHANE MOYNET - 12/12/22  
- ACD OPERATION MGR NAHEL BURHAN DABJAN - 02/22/23  
- ADC 55 RM YOUSSEF MOHAMED ELGOHARY - 02/18/23  
- ADC HSE MANAGER MOHAMED FOUAD - 02/21/23  
- SLB PROGRAM MNGR GIANLUOGI - 02/22/23  
- JOSE - IWC PROJECT MNGR - 02/22/23  
- EDGAR - IWC DE - 02/16/23  
- P.K. SLB HSE - 02/16/23  
- ALEKSANDR - SLB SUPT - 02/21/23  
- YOUSSEF - SLB SUPT - 02/24/23  
- FEBRA SLB HSE MANGER-02/21/23

===== SERVICE COMPANY =====

===== SAFETY =====

> DWLTI: 703

===== DRILLS & INSPECTION =====

-

===== HSE / OBSERVATIONS =====

>STOP CARDS: 55 (17 UNSAFE ACTS; 15 UNSAFE CONDITIONS, 23 POSITIVE HSE CULTURE),

PJSM HELD WITH BOTH CREWS AND FOLLOWING TOPICS ARE DISCUSSED.

DISCUSSED HSE ALERT 20-23 - HAND INJURY WHILE USING IRON ROUGHNECK.

HELD OPEN DISCUSSION WITH THE CREW WHY DID IT HAPPENED AND WHAT SHOULD BE DONE TO PREVENT RECURRENCE.

GDD DAILY SAFETY TOPIC :- ELECTRICAL SAFETY

HIGHLIGHTED ON THE FULLY ADHERENCE TO MECHANICAL LIFTING OPERATION REGULATIONS AND RULES.

EMPHASIZED ON ENSURE THAT ALL LIFTING GEAR ACCESSORIES CERTIFICATION AND IN GOOD CONDITION.

DISCUSSED THE HAZARDS RELATED TO LIFTING THE LOWER SUBBASE SECTIONS AND CONTROL MEASURES.

DISCUSSED THE PRECAUTIONS WHICH MUST BE TAKEN WHILE WORKING AROUND THE CELLAR AFTER REMOVING THE GRATINGS.

ARAMCO FOREMAN HIGHLIGHTED ON SAFETY IS TOP PRIORITY AND SHARED SOME WALKTHROUGH OBSERVATIONS.

HIGHLIGHTED THE IMPORTANCE TEAMWORK, KNOWLEDGE , COMMUNICATIONS AND FOLLOWING THE RULES.

OPERATIONS AND HSE HIGHLIGHTS BY RS AND WSL AND ARAMCO FOREMAN.

===== INCIDENTS =====

===== AUDITS =====

> 1ST WCI: TOTAL ITEMS: 0, CLOSED 0, OPEN 0 & RHSEI 2023: TOTAL ITEMS: 0, CLOSED 0, OPEN 0

> 2023 GAP ANALYSIS: 97% COMPLIANCE

===== NEXT WELL =====

> HWYH-1212 100% READY.

- WATER WELLS: HWYH-901 AND HRDH-3543

===== VACUUM TANKER =====

===== NEARBY RIGS OR SITES =====

===== DIESEL CONSUMED F/ OBM =====

> TOTAL CALCULATED BBL , ... L ( .. LOADS) TOTAL RECEIVED LOADS 0, REMAINING 0 LOADS

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS																							
MUD DATA																																
MUD TREATMENT																																
BIT DATA																																
DRILL STRING																																
Miscellaneous																																
<table border="1"> <tr> <td>BOP Test</td> <td>BOP Drills</td> <td>Wind</td> <td>Sea</td> <td>Weather</td> <td>DSLTA</td> <td>Safety Meeting</td> </tr> <tr> <td colspan="2"><b>AS REQUIRED</b></td> <td><b>SEASONAL</b></td> <td><b>ONSHORE</b></td> <td><b>SEASONAL</b></td> <td></td> <td><b>TOURLY</b></td> </tr> <tr> <td colspan="4">Real-Time Data Quality</td> <td colspan="6"><b>No Transmission</b></td> </tr> </table>									BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting	<b>AS REQUIRED</b>		<b>SEASONAL</b>	<b>ONSHORE</b>	<b>SEASONAL</b>		<b>TOURLY</b>	Real-Time Data Quality				<b>No Transmission</b>					
BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting																										
<b>AS REQUIRED</b>		<b>SEASONAL</b>	<b>ONSHORE</b>	<b>SEASONAL</b>		<b>TOURLY</b>																										
Real-Time Data Quality				<b>No Transmission</b>																												
Personnel and Services Information	COMPANY	SUW	RIG	SMI	TK3	RIG	ARM	TK3	ARM																							
	CATEGORY	CTR G	RIG	DFMS	OTHR	OTHR	WSC	WSC																								
	NO. OF PERSONS	14	45	2	2	80	1	3	1																							
	OPERATING HRS.	0	24	24	24	24	24	24	24																							
	ON LOCATION HRS.	24	24	24	24	24	24	24	24																							
Trucks/Boats	Standby/Tankers	<b>AMBULANCE</b>																														
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS		Fuel- BBLS	Barite- SX		Bentonite - SX	Cement G- SX																								
REPAIR ASAP	Instrumentation	Other																														
	Computer, Communication & V-Sat Issues																															
	Reporter																															

Total  
**148**

## D&amp;WO Morning Report (Service Providers View)

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Daily Onshore

(0500-0500) Saudi Aramco

Date	MONDAY 02/27/2023	Well No (Type) :	Rig	Foreman(s)	<b>GABR, MOHAMED ABDELWAHAB/ MATA PETIT, FELIX EMILIO/ OMRAN, MOHAMMAD JAFFAR</b>						
Engineer		(K2 - EVALUATION/DELINITION WELL TARGETING KHUFF AND PRE- KHUFF")	ADC- 56L	Superintendent	THURAYA +8821677712649	RIG FORMAN VSAT 013-577-3992	OTHER VSAT 013-829-7756 (ADC)	OTHER VSAT 013-829-7656 (CLINIC)	OTHER VSAT 013-664-8815 (SLB)	OTHER VSAT 013-577-9348 (FCT)	CONTRACTOR/CLERK VSAT 013-577-3948
Charge #:	(66- 22054- 1099)	Wellbores: (0-1) SDGM_1099_1									

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
15075	RIH POLISH MILL BHA TO 13,787' - POLISH CONT POOH - L/D POLISH MILL BHA - R/U CSG EQUIPMENT - RIH DUMMY UTMN-3069 PBR - CHC - POOH TO 1500 FT .	RUN SEAL ASSY - PERFORM TCA & TBG P/T - POOH.		134.9 (10/15/2022@0500)	BKDC 14251 14,249 ( 3 FT LOW ) PKFU 14313 14,295 ( 18 FT LOW ) UNZC 14476 14479 ( 3 FT HIGH ) PUZU 14744
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %
15075	4 1/2	13788	15072	14995	9 5/8 1275012737 0 100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	LT TYPE	LT ID	Summary of Operations
									Start	End			
00.5	0500 - 0530	0-1		C	CT	RR	TDS	RIG	15075	15075		JF	909416 SERVICE TDS.
10.5	0530 - 1600	0-1		C	CT	TI	STDP	RIG	15075	15075	593	13767	JF 909416 CONT. RIH POLISH MILL BHA F/ 593 FT TO 13,767 FT. - CONTROLLING TRIPPING SPEED TO 60 FPM AS PER PP ENG. - MONITOR WELL ON TRIP TANK
00.2	1600 - 1615	0-1		C	CT	RW	BIT	RIG	15075	15075	13767	13817	JF 909416 WASH DOWN F/ 13,766 FT TO 13,817 FT. - RECORDED PARAMETERS. - TAG 4 1/2" TOL WITH POLISH MILL NO GO @ 13,804 FT. - FR 3 BPM, SPP 150 PSI, 40 RPM TQ 6 KLB-FT
02.2	1615 - 1830	0-1		C	CT	CIRC	MPMP	RIG	15075	15075		JF	909416 POLISHED TBR 8 CYCLES AS PER PACKER PLUS ENG. INSTRUCTIONS. - FR 3 BPM, SPP 150 / 540 PSI (OUT/IN TBR), 40 RPM, TQ 5.5-6.5 KLB-FT. - SWEEP WELL W/ 2 HIVIS PILLS.
02.5	1830 - 2100	0-1		C	CT	CIRC	MPMP	RIG	15075	15075		JF	909416 POOH TO 13,807 FT. SWEEP HOLE W/ 2 HIVIS PILLS. - CIRCULATED CLEAN WELL. - FR 400 GPM, SPP 1550 PSI. - RECOVERED FEW CUT PIECES OF SEALS. - BRINE IN GOOD CONDITION. - NO METAL SHAVINGS COLLECTED AT DITCH MAGNETS.
00.2	2100 - 2115	0-1		C	CT	SDR1	NA	RIG	15075	15075		JF	909416 FLOW CHECK : STATIC.
07.8	2115 - 0500	0-1		C	CT	TO	STDP	RIG	15075	15075	13807	1500	JF 909416 POOH POLISH MILL BHA FROM 13,807' TO 1500'. - CONTROL POOH SPEED TO 60 FPM AS PER PACKERPLUS - MONITOR WELL ON TRIP TANK.

## Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
21 Feb 0100 - 0500	24	146	909416		JF	DSFT	HGRL	PKP	15075	ATTEMPTED TO PRESSURE UP ON TBR AND PBR SEALS, OBSERVED LEAK IN STING AND RETURNS AT SOV

SDGM-1099 EVALUATION/DELINITION WELL AS A VERTICAL PILOT TARGETING PRE-KHUFF RESERVOIR IN THE NORTH EASTERN PART OF SHEDGUM FIELD. THE WELL WAS DESIGNED AS K2.

## =====ARAMCO PERSONNEL=====

- ARAMCO CLERK NOORUL RILWAN SULTAN ARIEF ID# 8393134 ON LOCATION SINCE 10/15/2022.
- ARAMCO FIELD COMPLIANCE TECHNICIAN ABDULLAH A. ALZHRANI ID# 781239 ON LOCATION 02/22/2023.
- ARAMCO GDD HSE COORDINATOR MATHEW KOSHY #7080091 ON LOCATION 02/02/2023.

## =====IDS PERSONNEL=====

- IDS WSL: FEHD
- IDS NWSL: MAJID .

## =====SERVICE COMPANY=====

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## =====VISIT=====

- IDS DRLG SUPT ALEKSANDER LOMAKIN ON RIG 02/20/2023
- IDS HSE MANAGER FEBRA VISITED RIG ON 01/15/2023.
- ADC OPS MANAGER NAHEL BURHAN DABJAN ON RIG 01/30/2023
- ADC OPERATIONS MANAGER MATIAS CANTU ON LOCATION TODAY 02/04/2023
- ADC HSE MANAGER YEHIA EL DEEB ON LOCATION 02/07/2023
- ADC CORPORATE HSE MANAGER ANTOINE EL GHUBAIRA ON LOCATION 02/07/2023.
- IDS PROGRAM MANAGER GIANLUIGI MORONI VISITED RIG ON 22/2/2023.
- IDS DRLG SUPT YOUSIF ON RIG 02/24/2023

## =====SAFETY =====

DWLT: 1613.

- GDD SAFETY TOPIC: ELECTRICAL SAFETY .
- EMPHASIZED ON STOP CARDS PARTICIPATION BY EACH CREW MEMBER AND STOP TOURS
- IMPORTANCE OF STOP WORK AUTHORITY DISCUSSED WITH CREW.
- EMPHASIZED ON THE LINE OF FIRE AND RED ZONE
- HAZARDS AND SWI RELATED TO POOH TBG AND LAYDOWN

**DRILLS****NEAR MISS & SLS****AUDITS**

- > HSE GAP ANALYSIS AUDIT RIG SCORE 96%.
- > 1ST WCI 2022: TOTAL ITEMS: 3, CLOSED 3, OPEN 0.
- > 3RD QSI TOTAL ITEMS: 21, CLOSED: 21, OPEN: 0.
- > 1ST RHSEI 2022: TOTAL ITEMS: 27, CLOSED 27 , OPEN 0.
- > 2ND RHSEI 2022: TOTAL ITEMS: 26, CLOSED 26, OPEN 0.

**CASING SETTING DEPTHS**

- > 30" SHOE AT MD= 760'.
- > 24" SHOE AT MD= 3005'.
- > 18 5/8" SHOE AT MD= 4,673 '.
- > 13 3/8" SHOE AT MD = 10,813'.
- > 9 5/8" SHOE AT MD = 12,747'.
- > 7" LINER SHOE AT MD = 14,085'.
- > 4.5" LINER SHOE AT MD = 15,072'.

**NEXT WELL**

> NEXT WELL: SDGM-1246, 100 % COMPLETE AS PER WSE ON 02/13/2023 .

> WATER WELLS SDGM-980/3503

**VACUUM TANKERS**

- > VACCUM TANKER PLAT NO#1174-TRA (DOOR#2008-82) ON LOCATION SINCE 02/19/2023 (MONTHLY) UNDER DRSS-1003830893.
- > VACCUM TANKER PLAT NO#1170-TRA (DOOR#2008-57) ON LOCATION SINCE 01/12/2023 (MONTHLY) UNDER DRSS-1003830893.
- > VACCUM TANKER PLAT NO#6408-NRA (DOOR#0135) ON LOCATION SINCE 02/14/2023 (HOURLY) UNDER DRSS-1003844740.
- > VACCUM TANKER PLAT NO#2334-KDA (DOOR#0119) ON LOCATION SINCE 02/14/2023 (HOURLY) UNDER DRSS-1003844740

**DIRECTIONAL PLAN**

LAST SURVEY:

- LAST SURVEY : 14,928 FT INC: 1.85 DEG, TVD: 14,849 FT
- CT-CT: 3.6 FT R

**DIESEL CONSUMED F/ OBM**

- > TOTAL CALCULATED VOLUME REQUIRED: 1,886 BBLS
- > TOTAL LOADS RECEIVED: 1,400 BBLS
- > REMAINING OF THE REQUIRED LOADS: 486 BBLS
- > TOTAL OBM RECEIVED FROM OTHER LSTK RIGS: 1000

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS		
MUD DATA	Weight <b>70</b>	PCF <b>31</b>	Funnel Vis. <b>SEC</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b>	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>10</b>	CA PPM	<b>0</b>	CL PPM <b>11900</b>			
	FL Temp <b>0</b>	<b>0</b>	Cake HTHP	Cake API <b>0</b>	Water Vol. % <b>99</b>	Oil Vol. % <b>1</b>	Solids Vol. %	Sand Vol. % <b>0</b>	% LGS	MBT <b>0</b>	Mud type <b>NAACL</b>	Water Well # <b>SDGM-3502, SDGM-925</b>					
	Weight <b>85</b>	PCF <b>33</b>	Funnel Vis. <b>SEC</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b>	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9.6</b>	CA PPM	<b>0</b>	CL PPM <b>300000</b>			
	FL Temp <b>0</b>	<b>0</b>	Cake HTHP	Cake API <b>0</b>	Water Vol. % <b>99</b>	Oil Vol. % <b>1</b>	Solids Vol. %	Sand Vol. % <b>0</b>	% LGS	MBT <b>0</b>	Mud type <b>CACL</b>	Water Well # <b>SDGM-3502, SDGM-925</b>					
MUD TREATMENT																	
BIT DATA																	
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #			
Miscellaneous	BOP Test <b>02/25/2023</b>	BOP Drills <b>WEEKLY</b>		Wind <b>SEASONAL</b>	Sea <b>NA</b>	Weather <b>SEASONAL</b>		DSLTA	Safety Meeting <b>PRE TOUR</b>								
	Real-Time Data Quality		Sensors Quality		81%	Data Frequency		100%	Real-Time Hrs		10.97/24 hrs						
Personnel and Services Information	COMPANY		TSC <b>CSR</b>	SUW <b>CTRG</b>	RIG <b>RIG</b>	SMI <b>DFMS</b>	MIF <b>FILT</b>	RAC <b>WMFE</b>	PKP <b>LHES</b>	BR1 <b>MLS</b>	RIG <b>OTHR</b>	ARM <b>OTHR</b>	OTH <b>VAC</b>	TK3 <b>WSC</b>	ARM <b>WSC</b>	SCM <b>PCS</b>	
	CATEGORY															Total <b>103</b>	
	NO. OF PERSONS		<b>3</b>	<b>15</b>	<b>42</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>23</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>3</b>	
	OPERATING HRS.		<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>10</b>	<b>24</b>	<b>24</b>	<b>0</b>	
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>		
Trucks/Boats	Standby/Tankers <b>AB-7106</b>	AMBULANCE															
BULK	Drill Wtr.-BBLS <b>1000</b>	Pot Wtr.- BBLS <b>1000</b>		Fuel- BBLS <b>423</b>		Barite- SX <b>175</b>		Bentonite - SX <b>44</b>		Cement G- SX <b>0</b>							
REPAIR ASAP	Instrumentation	Other		Computer, Communication & V-Sat Issues											Reporter		

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ABHD-182 (HORIZONTAL SINGLE LATERAL OIL PRODUCER TARGETING THE ZONE 3 OF ARAB-C RESERVOIR)</b> Charge #: <b>(66- 22014- 0182)</b> Wellbores: (0) ABHD_182_0	Rig <b>ADC- 57L</b>	Foreman(s) <b>ACHIRI, SAMIR/ CHERESHNIUK, VITALII/ HARBI, MAGBEL MENAWER</b> Engineer Superintendent
	THURAYA <b>+8821677712658</b>	RIG FORMAN VSAT <b>679 1875/4</b>	CONTRACTOR/CLERK VSAT <b>679 1873</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>4252</b>	<b>SDM MOTOR DRILL 16" SECTION TO CP AT 4252 FT, CHC, SPOT CSG GO PILL, POOH 16" MOTOR BHA TO 3830 FT IN PROGRESS</b>	<b>CONT. POOH &amp; L/D 16" MOTOR BHA, RUN &amp; CEMENT 13-3/8" CSG.</b>	<b>0.085 KM N89E OF ABHD-109 AND 0.185 KM N89E OF ABHD-108</b>	<b>8.0</b> (02/19/2023@0500)	<b>RUS 615 2' DEEPER AS PER RCC. UMER 1320 74' DEEPER AS PER RCC. ARUM 2735 109' DEEPER AS PER RCC. LAMS 4205 27' DEEPER AS PER RCC.</b>
<b>Prev. Depth 2935</b>	Liner Size <b>18 5/8</b>	TOL <b>651</b>	MD <b>651</b>	TVD <b>651</b>	Last Csg Size <b>18 5/8</b> MD <b>651</b> TVD <b>651</b> Footage <b>1317</b> Circ % <b>90</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
<b>19.0</b>	<b>0500 - 0000</b>	<b>0</b>	<b>16</b>	<b>N</b>	<b>DRLG</b>	<b>DMS</b>	<b>MMOT</b>	<b>SDM</b>	<b>2935</b>	<b>4252</b>			<b>SDM MOTOR DRIL 16" HOLE W/67 PCF SALT POLYMER MUD AND 90 % CIRC FROM 935 FT TO 13- 3/8" CP @ 4252 FT AS PER RCC - FR=800 GPM, SPP= 1650 - 1850 PSI. DIFF PRESS = 150 - 500 PSI, WOB= 5 - 30 KLB, SRPM= 90, TRQ: 8 - 14 K FT-LB. - DYNAMIC LOSSES: +/- 40 BBL/HR TILL 3430 FT. INCREASE LOSSES RATE TO 80 - 300 BPH FROM 3430 FT. - MIGRATE VIBRATIONS BY CHANGING DRILLING PARAMETERS. - PUMPED 30+50 BBLS HI VISC EVERY STAND.</b>			
<b>04.5</b>	<b>0000 - 0430</b>	<b>0</b>	<b>16</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>4252</b>	<b>4252</b>			<b>SWEEP THE HOLE WITH TWICE 75 BBLS HI-VIS AND CIRCULATE TILL SHAKER CLEAN WITH FR= 800 GPM; SPP=1495 PSI - SPOT 455 BBLS 75 PCF CASING GO PILL - DYNAMIC LOSSES: +/- 40 BPH - FLOW CHECK - STATIC LOSSES RATE: 35 BPH. - DROP GYRO SURVEY TOOL AS PER GYRO ENGR</b>			
<b>00.5</b>	<b>0430 - 0500</b>	<b>0</b>	<b>16</b>	<b>N</b>	<b>DRLG</b>	<b>TO</b>	<b>BHA</b>	<b>RIG</b>	<b>4252</b>	<b>4252</b>	<b>4252</b>	<b>3830</b>	<b>POOH 16" MOTOR BHA IN OPEN HOLE FROM 4252 FT TO 3830 FT . - MONITORED WELL ON TRIP TANK.</b>			

\* WELL ABHD-182, TO BE DRILLED AS A HORIZONTAL SINGLE LATERAL OIL PRODUCER TARGETING THE ZONE 3 OF ARAB-C RESERVOIR. THE WELL WILL BE COMPLETED WITH PDHMS, ESP, AND Y-TOOL, 4-1/2" TUBING, 9-5/8" DOWNHOLE PACKER AND 4"X 3K WELLHEAD TREE.

=====ERP=====

\* IF THERE IS NO WIND, EVACUATION WILL BE TOWARD STAGING AREA #1, LOCATED 0.6 KM AWAY FROM THE LOCATION.

\* IN CASE THE WIND DIRECTION IS FROM SSW OR NNE CLOCKWISE (MOST LIKELY AS PER THE WIND ROSE), PERSONNEL NEED TO GO TO STAGING AREA #1 (27DEG17'18.9"N 48DEG59'35.27"E) LOCATED 0.6 KM AWAY FROM THE LOCATION.

\* WHEN WIND DIRECTION IS FROM NNE OR SSW CLOCKWISE, PERSONNEL SHOULD GO TO THE STAGING AREA #2 (27DEG16'55.62"N 49DEG0'15.5"E), LOCATED 0.75 KM AWAY FROM THE LOCATION.

\* GOR= 60 / SCF/STB (ARAB-C) , H2S 1.02 % MOL , RER 30 PPM AT 497 M , RER 100 PPM AT 270 M , RER 1/2 LFL AT 61 M

===== SIMOPS =====

=====WELL DATA=====

\* 30" CSG PLAN/ACTUAL: 120'/118'.

\* 24" CSG PLAN/ACTUAL: 300'/288'.

\* 18-5/8" CSG PLAN/ACTUAL: 663'/651'. (+/- 36' TVD INTO RUS FORMATION).

\* 13-3/8" CSG PLAN/ACTUAL: 4,228' /XXXX'. DV @ 513'XXX'. (50' TVD INTO LOWER ARUMA SHALE MEMBER).

\* 9-5/8" CSG PLAN/ACTUAL: 6,881' / XXX', DV @ 4,000'XXX'. (+/- 50' TVD INTO BUWAIB).

\* 7" LINER PLAN/ACTUAL: 11,540' / XXXXX' MD. (+/- 500' MD INTO TE).

\* 6-1/8" OH PLAN/ACTUAL: 13,751' / XXXX MD.

===== HSE =====

DAILY SAFETY MEETING WITH BOTH CREW. DISCUSSED HOUSEKEEPING, ARAMCO HSE ALERTS # 20-23 & 21, RUNNING CASING HAZARD AND CONTROLS , SWA REFRESHER

- DRILLS:

=====ARAMCO PERSONNEL ON LOCATION=====

\* ABDULLAH ALABDULWAHEED MATERIAL EXPEDITOR ID # 8521688 ON LOCATION.

\* ABDULMAJEED AL-TOQIQI EDD FCT #295514 ON LOCATION.

=====NEXT WELL=====

- ABHD-635 READINESS 90 % ( LAST UPDATE BY WELL SITE 2/5/2023 )

- ABHD-636 READINESS 65% ( LAST UPDATE BY WELL SITE 2/5/2023 )

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec		DLS	
MUD DATA	Weight 67 PCF	Funnel Vis. 52 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 10	YP 26	Electrical Stability 0 Volts	3/6 RPM 13 / 14	Gels Sec/Min 13 / 15	PH 10	CA PPM 400	CL PPM 24500						
	FL Temp 90	Cake HTHP 0	Cake API 1	Water Vol.% 94	Oil Vol.% 0	Solids Vol.% 6	Sand Vol.% 0.1	% LGS 3.98	MBT 15	Mud type SPUD	Water Well # ABHD-817							
	Weight 67 PCF	Funnel Vis. 50 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 10	YP 25	Electrical Stability 0 Volts	3/6 RPM 12 / 13	Gels Sec/Min 12 / 14	PH 9.8	CA PPM 800	CL PPM 23400						
	FL Temp 90	Cake HTHP 0	Cake API 1	Water Vol.% 94	Oil Vol.% 0	Solids Vol.% 6	Sand Vol.% 0.1	% LGS 3.97	MBT 25	Mud type SPUD	Water Well # ABHD-817							
MUD TREATMENT																		
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out							
	4RR	M223	16	SMT	2055	MSI716C	/	652	4252									
DRILL STRING	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP		
			15	90							1680	800		84.88	106.71	0		
	Float	Y																
	BHA Hrs:																	
	String Wt.	Pick Up	Slack Off	Rot. Torque			Jars:			/ 59	Shock			Mud		/ 59		
	220	186	220	8			Serial #/Hrs			/	Sub:	/	Motor:	/				
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
	1	Bit			SMT	16	1	16		1.59	7-5/8" REG					2055		
	2	Mud Motor			SDM	9.625	1	9.625	3.5	32.72	7-5/8"REG	7-5/8"REG				FS96B0217		
	3	Filter Sub			SDM	9.625	1	9.625	3.5	7.77	7-5/8"REG	7-5/8"REG				IME9508004		
	4	Float Sub			SDM	9.625	1	9.5	3.813	2.57	7-5/8"REG	7-5/8"REG						
	5	Roller Reamer			SDM	16	1	9.5	3	7.68	7-5/8"REG	7-5/8"REG						
	6	Drillcollar			RIG	9.5	1	9.5	3	30.62	7-5/8"REG	7-5/8"REG						
	7	Roller Reamer			SDM	16	1	16	3	8.42	7-5/8"REG	7-5/8"REG						
	8	Drillcollar			RIG	9.5	1	9.5	3	31	7-5/8"REG	7-5/8"REG						
	9	Crossover			RIG	9.5	1	9.5	3	3.35	6-5/8"REG	7-5/8"REG						
	10	Drillcollar			RIG	8.5	8	8.5	2.875	247.1	6-5/8"REG	6-5/8"REG						
	11	Hydro-Mechanical Jar			NPC	9.5	1	9.5	3	31.26	6-5/8"REG	6-5/8"REG						
	12	Drillcollar			RIG	8.5	5	8.5	2.875	149.95	6-5/8"REG	6-5/8"REG						
	13	Crossover			RIG	8.5	1	8.5	2.875	3.27	4-1/2"IF	6-5/8"REG						
	14	Heavy Weight Drillpipe (HWDP)			RIG	5	18	5	3	553	4-1/2"IF	4-1/2"IF						
	15	Drillpipe			RIG	5	1	5	3.5	31	4-1/2"IF	4-1/2"IF						
Miscellaneous	BOP Test		BOP Drills		Wind NORMAL		Sea NA	Weather SEASONAL			DSLTA		Safety Meeting PRE-TOUR MEETING					
	Real-Time Data Quality				Sensors Quality			81%	Data Frequency			100%	Real-Time Hrs		9.73/24 hrs			

Personnel and Services Information	COMPANY		SCC	SDM	RIG	SMI	MJH	TK3	RIG	ARM	MI2	TK3	ARM	TSC	OTH	GCD	Total 96				
	CATEGORY		CTR G	DPDS	RIG	DFMS	SEC	OTHR	OTHR	OTHR	SCS	WSC	WSC	CSR	VAC	ISS					
	NO. OF PERSONS		13	0	38	2	7	14	11	2	1	2	1	2	1	2					
	OPERATING HRS.		0	24	24	24	0	12	12	12	0	24	24	0	10	0					
	ON LOCATION HRS.		24	0	24	24	24	24	24	24	24	24	24	24	24	10					
Trucks/Boats	Standby/Tankers		<b>AMBULANCE</b> AB-6241																		
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>413</b>		Barite- SX		Bentonite - SX		Cement G- SX <b>2650</b>												
REPAIR ASAP	Instrumentation		Other														Reporter				
	Computer, Communication & V-Sat Issues																				

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ABHD-634 (HRZ SINGLE LATERAL POWER WATER INJECTOR TARGETING ARAB-B RES.)</b>	Rig <b>ADC- 58L</b>	Foreman(s) <b>ALY, ZAKARIA RAMADAN/ GANI-ZADA, FAZIL/ CERESHNIUK, VITALII/ HARBI, MAGBEL MENAWER</b>
Charge #: (66- 22014- 0634)	Wellbores: (0- 1) ABHD_634_1	RIG THURAYA +8821677712659 3786458	RIG FORMAN VSAT 3786457
Mobile +966593021582	Contractor/Clerk VSAT 3786459		

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>10987</b>	<b>SDM DD 8 1/2" SEC TO 10987 FT, CHC, PERFORM SHORT W/T, SPOT CSG GO PILL, POOH FOR CSG.</b>	<b>CONT. POOH 8 1/2" SDM/WFD BHA, L/D SAME, RIH 7" LINER.</b>	<b>N-3023120.54, E-297379.33, AFTER ABUHADRIA CHECK POINT ON NAERIA ROAD.</b>	<b>52.5 (01/05/2023@1600)</b>	<b>7088 FT MD AS PER GOC, BUWB 7081 19 FT DEEPER THAN DD PLAN D7 7513 FT MD AS PER GOC, YAMM 7503 39 FT DEEPER THAN DD PLAN D9 7807 FT MD AS PER GOC, SULY 7828 25 FT DEEPER THAN DD PLAN D9 8465 FT MD AS PER GOC, HITH 8340 28 FT DEEPER THAN DD PLAN D9 9428 FT MD AS PER GOC, ABAR 8759 21 FT DEEPER THAN DD PLAN D9 10323 MD ASPER GOC, 22 ABBR 8830 FT DEEPER THAN DD PLAN D9</b>

Prev. Depth	Liner Size	TOL	MD	TVB	Last Csg Size	MD	TVB	Footage	Circ %
<b>10805</b>					<b>9 5/8</b>	<b>7166</b>	<b>7166</b>	<b>182</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
05.0	0500 - 1000	0-1	8 1/2	N	DRLG	DMR	MRSS	SDM	10805	10987			<b>SDM VRTX DRILLED 8-1/2" DIR. SEC FM: 10805' TO 10987' UTILIZED 79 PCF NaCl/KCl SALT POLY. MUD &amp; 100% CIRC.                      - GOC/RMD CALLED 10987' MD/8837' TVD IS TD OF 8 1/2" SEC. 7" LINER POINT.                      - FR: 550 GPM, SPP: 3100-3200 PSI, WOB: 15-25 KLB, RPM: 100, TQ: 8-13 KLB.FT, DIFF PR: 350-400 PSI.                      - SPOT 20 BBLS SEAL PILL ON BOTTOM BEFORE EACH CONNECTION.                      - MAINTAINED 10% DIESEL IN MUD SYSTEM &amp; ADDED DRILLING DETERGENT AS PER PROGRAM TO MUD SYS.                      * PPT @ 1000 PSI, 200 F ON 20 MICRONS ALOXITE DISK (SPURT: 2.2 ML, TOTAL: 13.8 ML/30MIN) (SAMPLE FROM ACTIVE TANK)                      * PROJECTION @ 10987', WELL PATH: (6.21' CT-CT, 3.4' BELOW, 5.2' LEFT OF PLAN L0-1 P10).</b>			
05.5	1000 - 1530	0-1	8 1/2	N	DRLG	CIRC	MPMP	RIG	10987	10987			<b>SWEPT HOLE W/ 20 BBLS L.V/30 BBLS H.V.P, C &amp; C MUD 3 FULL CYCLES UTILIZED 79 PCF NaCl/KCl POLY. MUD PRIOR POOH FOR SHORT W/T &amp; 100 % CIRC, FINALLY SHAKERS ARE CLEANED.                      - FR: 550 GPM, SPP: 3070 PSI, TQ: 7-9 K.FT_LB, REAMED UP 40 RPM/DN 100 RPM FULL STD.                      - @ END OF CIRC. RECORDED SCR, F/C WHILE ROTATING STRG. WELL STATIC, RECORDED PUW &amp; ROTATING WT (250 K.LB &amp; 219 K.LB), SDM DOWNLINKED RSS.</b>			
01.0	1530 - 1630	0-1	8 1/2	N	DRLG	ST	STD	RIG	10987	10987	10987	10480	<b>POOH 8 1/2" SDM VRTX BHA ALONG W/ WFD LWD FOR SHORT W/T THRU OPEN HOLE ON ELEVATOR FROM 10987 FT TO 10480 FT &amp; RIH BACK.                      - HOLE HAD A CLEAR PATH.</b>			
03.0	1630 - 1930	0-1	8 1/2	N	DRLG	CIRC	MPMP	RIG	10987	10987			<b>SWEPT HOLE W/ 20 BBLS L.V/30 BBLS H.V.P, C &amp; C MUD 1 FULL CYCLE UTILIZED 79 PCF NaCl/KCl POLY. MUD PRIOR POOH FOR SHORT W/T &amp; 100 % CIRC, FINALLY SHAKERS ARE CLEANED.                      - SPOT 300 BBLS LINER GO PILL THRU WHOLE OPEN HOLE (ADDED ALPINE DRILL BEADS 5 LB/BBL), F/C: WELL STATIC.                      - MEANWHILE HPJSM DISCUSSED TRIPPING GUIDELINE AS PER ARAMCO PROCEDURES.</b>			
05.8	1930 - 0115	0-1	8 1/2	N	DRLG	TO	BHA	RIG	10987	10987	10987	7160	<b>POOH 8 1/2" SDM VRTX BHA ALONG W/ WFD LWD THRU OPEN HOLE ON ELEVATOR FROM 10987 FT TO 7160 FT (INSIDE 9 5/8" CSG SHOE).                      - F/C AFTER 10 STDs POOH &amp; @ 9 5/8" CSG. SHOE: WELL STATIC.</b>			
02.2	0115 - 0330	0-1	8 1/2	N	DRLG	TO	STD	RIG	10987	10987	7160	2450	<b>POOH 8 1/2" SDM VRTX BHA ALONG W/ WFD LWD THRU CASED HOLE ON ELEVATOR FROM 7160 FT TO 2450 FT.</b>			
01.5	0330 - 0500	0-1	8 1/2	N	DRLG	RR	DWKS	RIG	10987	10987			<b>PERFORMED SLIP &amp; CUT FOR DRLG LINE, CALIBRATED CROWN-O-</b>			

MATIC AND SAVER SENSORS.....INC@RPT  
 - MONITORED WELL VIA T.T & T.S FOR ALL PAST OPERATION  
 SINCE START POOH, OBSERVED NEITHER GAIN NOR LOSSES.

WELL, ABHD-634, TO BE DRILLED AS A HORIZONTAL SINGLE LATERAL POWER WATER INJECTOR TARGETING ARAB-B RESERVOIR. THE WELL WILL BE COMPLETED AS PWI WELL WITH 4- 1/2" X 7" DOWNHOLE PACKER AND 7" 3K WELLHEAD/TREE.

=====ERP=====

- GOR ABBR.: 60 SCF/STB, H2S ARAB-B: 0.48 MOLAR%.
- 30 PPM RER @ 310 M (ABCR), 100 PPM RER @ 170 M & 1/2 LFL: 64 M (ABCR).

=====WELL DATA=====

- 30" CSG PLAN/ACTUAL: 120'/119'.
- 24" CSG PLAN/ACTUAL: 300'/292'.
- 18-5/8" CSG PLAN/ACTUAL: 786' 826'. (76' INTO RUS).
- 13-3/8" CSG L0-1 PLAN/ACTUAL: 4419'4198 ', (175' ABOVE LAMS), DVT @ 658'.
- 9-5/8" CSG L0-1 PLAN/ACTUAL: 7130' 7168 ' (60' TVD INTO BUWB), DVT @ '.
- 7" LINER L0-1 PLAN/ACTUAL: 11025' ' MD, (400' MD/3' TVD INTO ABBR), TOL @ '.
- 6-1/8" L0-1 TD PLAN/ACTUAL: 13465' ' MD, OH PLAN/ACTUAL 2623' ', (ABBR).

=====WELL STATUS @ AP- & PIW=====

\* PWI (ABHD-615), (ABHD-623) AFFECTING THE PRESSURES OF ARAB-A & ARAB-B RES, WELLS WERE SHUT-IN BEFORE DRILLING 8-1/2" & 6-1/8" SEC.

=====ARAMCO PERSONNEL ON LOC.=====

=====LSTK/CONTRACTOR =====

=====NEXT WELLS =====

- ABHD-633: READINESS 100%
- ABHD-164: READINESS 100% (AS PER WELLSITE)

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
0-1	10987	90.00	141.50	83	8837.3	-858.81	2789.45	2450.91	5.96
0-1	10904	89.63	136.57	96	8837.03	-796.16	2735.05	2367.95	4.17
0-1	10808	89.68	132.57	92	8836.45	-728.80	2666.68	2272.4	2.76
0-1	10716	91.20	130.54	98	8837.16	-667.78	2597.84	2181.41	5.57

MUD DATA	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM
	79 PCF	56 SEC	0 HTHP	API	22	25	0 Volts	9 / 10	9 / 11	10.1	360	105000
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	
	146	0	1	76	10	14	0.1	3.39	5	WBM	ABHD-825	
BIT DATA	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM
	79 PCF	54 SEC	0 HTHP	API	22	24	0 Volts	9 / 10	9 / 11	10.1	440	102000
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	
	146	0	1	76	10	14	0.1	3.39	5	WBM	ABHD-825	

MUD TREATMENT	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out					
	10RR	M222	8.5	SMT	SN1371	MS616C / 6 X 13 /	0.778	9250	10987							
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
			22	100			3200	550	227	475.35			156			

DRILL STRING	Float	Y												
	BHA Hrs:	50												
	String Wt.	Pick Up	Slack Off	Rot. Torque	Jars:	/ 65	Shock	/	Mud	/ 16				
	217	257	178	12500	Serial #/Hrs	/	Sub:	/	Motor:	/				
	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit	SMT	8.585		8.5		0.78	4-1/2"R					SN1371
	2	Stabilizer	SDM	8.375	1	6.75	4.2	1	4.5"IF	4.5"R				
	3	RSS	SDM	6.75	1	6.75	4.2	13.88	4-1/2"IF	4-1/2"IF				101849
	4	Float Sub	SDM	6.95		6.95	2	2.35	4-1/2"IF	4-1/2"IF				340676
	5	Component Not listed	SDM	6.88	3	6.88	2	9.02	4-1/2"IF	4-1/2"IF				3738-1-2
	6	Mud Motor	SDM	7.05	2	7.05	5.5	35.19	4-1/2"IF	4-1/2"IF				5260
	7	Component Not listed	SDM	6.89	2	6.89	2	8.2	5.5"FH	4-1/2"IF				3124-1-5
	8	Stabilizer	SDM	8.21	1	6.9	3.25	1.38						32198
	9	Measurement While Drilling (MWD)	SDM	6.75	3	6.75	3	27.57	5.5"FH	5.5"FH				N0000622
	10	Stabilizer	SDM	8.21	1	6.75	2.25	1	5.5"FH	5.5"FH				
	11	Logging While Drilling (LWD)	WDS	6.75	3	6.75	2.25	76	4 1/2" IF	4 1/2" IF				AK230114RKB
	12	Filter Sub	SDM	6.75	1	6.75	2.8	7.78	4.5"IF	4-1/2"IF				6758009
	13	Heavy Weight Drillpipe (HWDP)	RIG	6.625	3	5	3	91.45	4-1/2"IF	4-1/2"IF				
	14	Hydraulic Jar	SJS	6.91	1	6.75	2.5	31.23	4-1/2"IF4-1/	4-1/2"IF				44533K
	15	Heavy Weight Drillpipe (HWDP)	RIG	6.625	2	5	3	60.79	4-1/2"IF	4-1/2"IF				
	16	Drillpipe	RIG	6.625	1	5	4.276	30	4-1/2"IF	4-1/2"IF				

Miscellaneous	BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting									
	02/17/2023	02/17/2023	HIGH	N/A	COLD											
	Real-Time Data Quality	Sensors Quality	83%	Data Frequency	100%	Real-Time Hrs	10.98/24 hrs									
Personnel	COMPANY	SCC	SDM	RIG	SMI	SNG	SLH	WDS	TK3	RIG	ARM	TK3	ARM	TSC	SCM	
	CATEGORY	CTRG	DPDS	RIG	DFMS	SEC	LHES	LWD	OTHR	OTHR	OTHR	WSC	WSC	CSR	PCS	Total
	NO. OF PERSONS	13	3	37	1	6	1	3	9	11	1	3	2	2	4	

and Services Information														
	<b>OPERATING HRS.</b>													
	0	20	24	24	0	2	20	12	12	24	24	0		
	<b>ON LOCATION HRS.</b>	24	24	24	24	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers													
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX								
REPAIR ASAP	Instrumentation	Other												
	Computer, Communication & V-Sat Issues												Reporter	

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Date	MONDAY 02/27/2023	Well No (Type) :	HWHY-1279 (MK-1 VERTICAL WELL 59L TO KHUFF C)	Rig	Foreman(s) Engineer Superintendent	ROGERS, RICHARD ALLEN/ MATA PETIT, FELIX EMILIO/ JALLAL, FAISAL ALI						
Charge #:	(66- 22053- 1279)	Wellbores: (0) HWHY_1279_0	THURAYA	RIG FORMAN VSAT	OTHER VSAT	OTHER VSAT	CONTRACTOR/CLERK VSAT	CONTRACTOR/CLERK VSAT	013-875-6395 CLINIC	013-577-3952 CLERK	013-875-6393 IPM	

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops								
13205	PERFOMANCE DRILL 8-3/8" HOLE SECTION FROM 12,735 FT TO 12,205 FT.	DRILL 8-3/8" SECTION TO 13,323 FT, +5 FT INTO KFCC, CHC, POH FOR LOGGING	177.32 KM F/DHAHRAN MAIN GATE, SOUTH ON HARD HWY TO RIG SIGN, MAKE U TURN & FOLLOW SIGNS.	36.6 (01/21/2023@1500)	BJDM 10760 8' SHALLOW MDJR 11045 14' SHALLOW SUDR 11918 1' DEEP SDDM 12298 39' SHALLOW BSRD 12335 51' SHALLOW KHFF 12686 6' DEEP KFAC 12726 8' DEEP KFBC 12840 17' DEEP								
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %								
12735	9 5/8		10784	5348	470 100								
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations		
23.5	0500 - 0430 0	8 3/8	N	DRLG	DMR	MMOT	SDM	12735	13205	Start End Start End	DRILL 8-3/8" SECTION FROM 12,735 FT TO 13,205 FT, WOB: 20-35 KLBS. FR: 500 GPM. SPP: 4,000-4,500 PSI. RPM: 60-100 TRQ 4-8 KLBS, DIFF 450-500 PSI. OPTIMIZED PARAMETERS TO COMBAT, MOTOR STALL, SHOCKS ON D & M TOOLS. RECORD SURVEY AFTER CONNECTION. APPLY BRIDGING STRATEGY AS PER PLAN.		
00.5	0430 - 0500 0	8 3/8	N	DRLG	RR	TDS	RIG	13205	13205	Start End Start End	SERVICE TOP DRIVE.		

> HWHY-1279, MK-1 VERTICAL WELL TO KHUFF C, WITH15K CEMENTED LINER.

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 > ARAMCO FCT DOECD ABDULLAH H. ALABDRABALNABI ID#746354 ON LOCATION 02/24/2023 @ 09:00 HRS  
 > ARAMCO MAT. EXPEDITOR IBRAHIM HADRI #8334164 ON LOCATION 02/22/2023 @ 09:00 HRS.  
 > DOECD FCC YERZHAN TUGEZBAYEV (ID#8101729) ARRIVED TO LOCATION FOR INVESTIGATION ON 02/25/2023 AT 7:50 AM  
 > JOSEPH MOUEL CEA (ID#8966307) ARRIVED TO LOCATION FOR INVESTIGATION ON 02/25/2023 AT 8:20 AM

=====IDS & ADC PERSONNEL & CONTRACTOR RIG VISITS=====  
 > IDS SUPERVISORS (DAY/NIGHT): AHMED/WALEED.

=====HSE =====  
 >PRE TOUR-MEETING: DISCUSSED DAILY SAFETY TOPIC ELECTRICAL SAFETY, AD-55 INCIDENT OF MAST LOWERING, AD-59 FIRE INCIDNET OF MINIBUS, ELECTRICAL RISK AROUND THE RIG, RECOGNIZED FIRE FIGHTING TEAM, RIG MANAGER INTRODUCE WITH CREW HANDS  
 >GDD SAFETY TOPIC: ELECTRICAL SAFETY  
 > STOP CARDS: 65  
 > GDD CEHA 2023 - 97% TOTAL COMPLIANCE  
 > 1ST RHSEI 2022 - 24 TOTAL, 24 CLOSED, 0 OPEN. / 2ND RHSEI 2022 - 33 TOTAL. 33 CLOSED. 0 OPEN.  
 > WC 2022 - 2 TOTAL, 2 CLOSED, 0 OPEN.

=====DRILLS, INSPECTIONS =====  
 > DRILLS: N/A  
 > INSPECTION: GAS DETECTION EQUIP - 1, EMERGENCY GENERATOR - 1, LIFTING ACCESSORIES - 1  
 > NEAR MISS: N/A

=====APPROVED OBM DIESEL=====  
 > TOTAL DIESEL APPROVED AMOUNT FOR OBM: 1581 BBLS  
 > RECIEVED 1000 BBL'S

=====PLANNED VS ACTUAL CASING DEPTHS=====  
 > 24" CSG POINT PLAN AT 805' (50' +/- INTO THE RUS) ACTUAL AT 858', TIME PLAN: 41HRS, ACTUAL 38HRS, FLAT TIME PLAN 43HRS, ACTUAL 62 HRS  
 > 18-5/8" CSG POINT PLAN AT 2923' (50' +/- INTO AHMD) ACTUAL AT 2912', TIME PLAN: 44HRS, ACTUAL 32.25 HRS, FLAT TIME PLAN 82 HRS, ACTUAL 111 HRS  
 > 13-3/8" CSG POINT PLAN AT 6671' (50' +/- INTO HITH) ACTUAL AT 5348' SET IN (MDTM), FLAT TIME PLAN: 124 HRS, ACTUAL 150.5 HRS  
 > 9-5/8" CSG POINT PLAN AT 10,798' (50' +/- INTO BJDM) FLAT TIME PLAN: 158 HRS, ACTUAL 228.25 HRS  
 > 7" LINER POINT PLAN AT 13,321' (50' +/- INTO KFCC) FLAT TIME PLAN: 226 HRS, ACTUAL 3.25 HRS  
 > 4 1/2" LINER POINT PLAN 13,792' (50' +/- INTO KFDA)

=====NEXT LOCATION=====  
 > 3 WELL PAD LOCATION: NEXT WELLS HWHY-1325 AND HWHY-1315 ARE 100% READY.  
 > 3 WELL PAD LOCATION WWS: HWHY-3508/3512 (ASSIGNED TO ALL WELLS)

=====VACUUM TANKERS=====

> NOT IN USE AT THIS TIME.

Remarks

GDD DIVISION #4 SUPT FAISAL JALLAL VISITED ADC-59L TO DISCUSS RECENT THIRD PARTY VEHICLE FIRE,ON ADC-59L, HSE, ONGIONG & FORWARD OPERATIONS.

Lateral	Survey MD		Angle	Azimuth		CLength	TVD		N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS
0	13015	1.08	342.39	94	12957.58	184.39	-90.16	184.39	0.05						
0	12921	1.12	341.59	94	12863.6	182.68	-89.61	182.68	0.03						
0	12827	1.10	340.76	191	12769.62	180.95	-89.02	180.95	0.06						
0	12636	1.18	336.50	94	12578.65	177.42	-87.63	177.42	0.25						

MUD DATA	Weight 125 PCF	Funnel Vis. 63 SEC	Filtrate(WL) 2.8 HTHP	Filtrate (WL) API	PV 50	YP 21	Electrical Stability 900 Volts	3/6 RPM 10 / 11	Gels Sec/Min 11 / 15	PH	CA PPM	CL PPM
	FL Temp 157	Cake HTHP 1	Cake API 0	Water Vol. % 53	Oil Vol. % 37.01	Solids Vol. % 9.99	Sand Vol. % 0.1	% LGS 6.67	MBT 0	Mud type ALLOIL	Water Well # HWYH-3508, HWYH-3512	
	Weight 125 PCF	Funnel Vis. 62 SEC	Filtrate(WL) 3 HTHP	Filtrate (WL) API	PV 49	YP 21	Electrical Stability 900 Volts	3/6 RPM 10 / 11	Gels Sec/Min 11 / 15	PH	CA PPM	CL PPM
	FL Temp 163	Cake HTHP 1	Cake API 0	Water Vol. % 53	Oil Vol. % 37.01	Solids Vol. % 9.99	Sand Vol. % 0.1	% LGS 6.67	MBT 0	Mud type ALLOIL	Water Well # HWYH-3508, HWYH-3512	

MUD TREATMENT														
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BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out					
	6	M223	8.375	SMT	SM0950	MSIZ619B / 6 X 14 /	0.902	10790	13205							
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
	30	100					4550	500	178	307.22	439.39	138				

DRILL STRING	Float Y															
	BHA Hrs: 78.3															
	String Wt. 324	Pick Up 327	Slack Off 322	Rot. Torque 5200			Jars: Serial #/Hrs			/	78.3	Shock Sub:		/		
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit			SMT	8.375	1	8.375	1.5	0.75	4-1/2 R					SM0950
	2	Mud Motor			SDM	7	1	7	2.25	31.27	4-1/2 IF	4-1/2 R				1251476
	3	Stabilizer			SDM	8.25	1	6.5	2.75	6.38	4-1/2 IF	4-1/2 IF				PST4286
	4	Measurement While Drilling (MWD)			SDM	6.75	1	6.84	3	33.1	4-1/2 IF	4-1/2 IF				G6411
	5	Stabilizer			SDM	8.25	1	6.5	2.754	4.65	4-1/2 IF	4-1/2 IF				23501
	6	Filter Sub			SDM	6.75	1	6.75	3	6.63	4-1/2 IF	4-1/2 IF				6751562
	7	Filter Sub			SDM	6.75	1	6.95	2.81	2.45	4-1/2 IF	4-1/2 IF				338592
	8	Crossover			RIG	6.5	1	6.5	2.75	3.67	4 IF	4 IF				334
	9	Drillcollar			RIG	6.5	17	6.5	2.75	520.91	4 IF	4 IF				ON-FILE
	10	Hydraulic Jar			SJS	6.5	1	6.5	2.75	31.18	4 IF	4 IF				41728K
	11	Drillcollar			RIG	6.5	3	6.5	2.75	91.48	4 IF	4 IF				ON-FILE
	12	Crossover			RIG	6.875	1	6.875	2.75	3.65	XT 54	4 IF				300
	13	Heavy Weight Drillpipe (HWDP)			RIG	5.5	6	6.5	3	184.1	XT 54	XT 54				ON-FILE
	14	Drillpipe			RIG	5.5	0	6.5	4.267	0	XT 54	XT 54				

Miscellaneous	BOP Test 02/22/2023	BOP Drills 2 X WEEKLY	Wind NORMAL	Sea N/A	Weather SEASONAL	DSLTA	Safety Meeting PRIOR TO EACH TOUR
	Real-Time Data Quality	Sensors Quality 89%	Data Frequency 100%	Real-Time Hrs 11.48/24 hrs			

Personnel and Services Information	COMPANY	RIG	SDM	RIG	SMI	SGR	TK3	RIG	ARM	TK3	ARM				Total 86
	CATEGORY	CTRG	DPDS	RIG	DFMS	MLS	OTHR	OTHR	OTHR	WSC	WSC				
	NO. OF PERSONS	13	2	38	3	2	5	16	4	2	1				
	OPERATING HRS.	0	12	24	24	0	0	0	12	24	24				
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24				

Trucks/Boats	Standby/Tankers <b>FORD F-150 AB-6314</b>	4X4 AMBULANCE													
BULK	Drill Wtr.-BBLS 800	Pot Wtr.- BBLS 160	Fuel- BBLS 295	Barite- SX 145	Bentonite - SX 57	Cement G- SX 2000									

REPAIR ASAP	Instrumentation	Other													Reporter
	Computer, Communication & V-Sat Issues														



Date	Well No (Type) :	Rig	Foreman(s)	<b>MARTIN, JOSEPH NORTEYE/ SHI, RENLIN/ OLATUNBOSUN, AYOOLA OLANREWAJU/ YAMI, NASSER SALEM</b>				
				MONDAY	MRJN-560	ADC-60	Engineer	Superintendent
Date	Well No (Type) :	Rig	Foreman(s)	MARTIN, JOSEPH NORTEYE/ SHI, RENLIN/ OLATUNBOSUN, AYOOLA OLANREWAJU/ YAMI, NASSER SALEM				
02/27/2023	MRJN-560	ADC-60	THURAYA	0088-2167-771-2838	378-6510	013-829-7760 (OIM)	378-6511 (RR)	378-6512 (CLERK)
Charge #:	(66- 22073- 0560)	Wellbores:	(0) MRJN_560_0					

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
9348	RIH W/ 9-5/8" SCRAPER ASSY, TAG TOC. PERFORM CBL LOG. R/D WL. P/U & RIH 2- DISPLACW WB TO 76 PCF CACL BRINE. 7/8" CEMENT STINGER, SPOT 500 FT CMT POOH & L/D SCRAPER. N/U SH. NIPPLE. PLUG AT 1500 FT. WOC & TAG TOC. POOH R/U WL, RIH & PERFORM CBL LOG. R/D & L/D STINGER. N/D BOPE, N/D TUBING SPOOL.		UTM (ZONE-39) N- 3133317.00, E- 368494.00	176.0 (09/04/2022@0545)	URTR 7915 7917 FT MD SULY 8138 8139 FT MD LRTR 8188 8189 FT MD MNFR 8765 8767 FT MD BMFR 8848 8850 FT MD HITH 8875 8877 FT MD ABAR 9129 9131 FT MD BAAR 9219 9213 FT MD ABBR 9272 9274 FT MD BABR 9346 9348 FT MD

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
9348	7	4689	7910	7910	9 5/8	7901	7901	0	100

Hrs (From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations			
								Start	End	Start	End						
01.0 0500 - 0600 0		N	PA	WOC	SQZ	RIG		9348	9348			JF	904218	WOC BASED ON 500 PSI COMPRESSIVE STRENGTH AS PER UCA.			
01.8 0600 - 0745 0		N	CT	TI	STDP	RIG		9348	9348	1500	3600	JF	904218	RIH WITH 9-5/8" SCRAPER ASSY ON 5-1/2" DP TO 3600'			
01.0 0745 - 0845 0		N	CT	RW	BIT	RIG		9348	9348	3600	3925	JF	904218	M/U TDS, WASH DOWN WITH 9-5/8" SCRAPER ASSY, TAG TOC @ 3901".			
04.5 0845 - 1315 0		N	CT	CIRC	MPMP	RIG		9348	9348			JF	904218	PUMP SWEEPS, CIRC TILL HOLE CLEAN.			
01.5 1315 - 1445 0		N	CT	CIRC	MPMP	RIG		9348	9348			JF	904218	DISPLACE WELL BORE TO 76 PCF CACL BRINE, CIRC BRINE WT EVEN.			
00.5 1445 - 1515 0		N	CT	SDR1	NA	RIG		9348	9348			JF	904218	FLOW CHECKED, WELL STATIC. SLUG THE PIPE.			
02.0 1515 - 1715 0		N	CT	TO	STDP	RIG		9348	9348	3901	310	JF	904218	POOH WITH 9-5/8" SCRAPER ASSY ON 5-1/2" DP TO TOP OF 5-1/2" HWDP.			
00.2 1715 - 1730 0		N	CT	SDR1	NA	RIG		9348	9348			JF	904218	FLOW CHECKED, WELL STATIC.			
00.2 1730 - 1745 0		N	CT	TO	BHA	RIG		9348	9348	310	128	JF	904218	POOH WITH 9-5/8" SCRAPER ASSY ON 5-1/2" HWDP.			
01.2 1745 - 1900 0		N	CT	HT	BHA	RIG		9348	9348	128	0	JF	904218	POOH WITH 9-5/8" SCRAPER ASSY TO SURFACE, L/D MAGNETS, SCRAPER. B/OUT 8-1/2" WELDED BIT.			
00.5 1900 - 1930 0		N	CT	SDR1	NA	RIG		9348	9348			JF	904218	CLEAN AND CLEAR RIG FLOOR.			
00.2 1930 - 1945 0		N	LOG	LOG	CBL	BAW		9348	9348			JF	904218	PRE JOB-SAFETY MEETING FOR RIGGING UP WL SHEAVES & MAKING UP TOOLS.			
00.5 1945 - 2015 0		N	LOG	LOG	CBL	BAW		9348	9348			JF	904218	RU BAKER W/L SHEAVES, BUSHING AND TOOLS BOX TO RIG FLOOR.			
01.0 2015 - 2115 0		N	LOG	LOG	CBL	BAW		9348	9348			JF	904218	PICK UP AND MAKE UP LOGGING TOOLS W/ BAKER INDEX-DAL (GR/CCL/CBL). FUNCTION TEST, OK.			
00.2 2115 - 2130 0		N	LOG	LOG	CBL	BAW		9348	9348			JF	904218	RIH LOGGING TOOLS W/ BAKER INDEX-DAL TO 230 FT. HAD BAD COMMUNICATION ON LOGGING TOOLS.			
04.0 2130 - 0130 0		N	LOG	LOG	CBL	BAW		9348	9348			TF	909567	POOH W/ LOGGING TOOLS TO SURFACE. TOOBLESHOOT COMMUNICATION ISSUE, NO GOOD.			
03.2 0130 - 0445 0		N	LOG	LOG	CBL	BAW		9348	9348			TF	909567	L/D PRIMARY INDEX-DAL LOGGING TOOLS, P/U & M/U ALL SET WITH BACK UP TOOLS. FUNCTION TEST, OK. RUN BACK TO 230'.			
00.2 0445 - 0500 0		N	LOG	LOG	CBL	BAW		9348	9348			JF	904218	RIH LOGGING TOOLS W/ BAKER INDEX-DAL TO 1000 FT.			

#### Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
31 Oct 0700 - 0500	16.75	538	904218		JF	CCAJ	NA	ARM	4824	DV TOOL FAILED WHILE CIRCULATING THRU SAME.
27 Feb 2130 - 0445	7.25	7.25	909567		TF	FOT	WLT	BAW	200	RIH W/ INDEX-DAL LOGGING TOOLS TO 230 FT, HAD BAD COMMUNICATION.

**WELL OBJECTIVES: MRJN-560 WILL BE DRILLED AS AN OIL-EVALUATION / PRODUCER IN MRJN.**

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\*\* HOLD PRE-SPUD SAFETY MEETING WITH DE OKE OMOLOLU AT 13:00HRS AUG 30, 2022 \*\*

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#### WELL DESIGN

- PLANNED 30" CONDUCTOR PIPE AT 458 FT - ACTUAL AT 456 FT.
- PLANNED 18-5/8" AT 2,408 FT (50'MD INTO RUS) - ACTUAL AT 2,408 FT.
- PLANNED 13-3/8" AT 5,334 FT (50'MD ABOVE LWWH)-ACTUAL AT 5,301 FT.
- PLANNED 9-5/8" AT 7,904 FT (50'MD INTO YAMAMA) - ACTUAL AT 7,901 FT.
- PLANNED 8-1/2" TD AT 9,355 FT (INSIDE ARAB-B RESERVOIR). ACTUAL AT 9,348 FT.

=====

\* WAIT ON WEATHER: TODAY 3.75 HRS, TOTAL 19.5 HRS

\* WAIT ON PRODUCING: TODAY 0 HRS, TOTAL 0 HRS

\* WAIT ON MARINE: TODAY 0 HRS, TOTAL 0 HRS

\* WAIT ON TOOL HOUSE: TODAY 0 HRS, TOTAL 0 HRS

=====

\*WATER DEPTH: 146'

\*RIG HEADING: 14 DEG

\*RKB TO SEABED: 248.5'

\*AIR GAP: 36

\*RKB TO MEAN SEA LEVEL: 100

\*FINAL LEG PENETRATIONS: BOW LEG 7.97', PORT LEG 6.99' AND STARBOARD LEG 7.64'.

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#### MLC DETAILS:

\*\*30" LANDING RING @ 262 FT.

\*\* 18-5/8" MLC HGR @ 262 FT [18-5/8" MLC HGR P/N: R61144-2 & S/N: DJ6506237-07, 18-5/8" MLC RUNNING TOOL P/N: R61145-2 & S/N: DJ5927489-11

\*\* 13-3/8" MLC HGR @ 261 FT [13-3/8" MLC HGR P/N: R61077-2 & S/N: DJ7085837-03, 13-3/8" MLC RUNNING TOOL P/N: R61044-11 & S/N: DJ7786287-04

\*\* 9-5/8" MLC HGR @ 261 FT [9-5/8" MLC HGR P/N: R61040-12 & S/N: DJ5457706-08, 9-5/8" MLC RUNNING TOOL P/N: R61045-12 ; S/N: DJ5418870-01

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DRILLS: H2S & FIRE & ABANDON SHIP DRILL ON 02/25/2023.

HSE ALERTS 20-23, 21-23, 22-23 AND 23-23.

- \* LC-50 SAMPLE (WBM) SENT: MANIFEST # 2400581160 VIA SEACOR 888 ON 09/12/2022.  
 \* LC-50 SAMPLE (OBM) SENT: MANIFEST # 2400583213 VIA WALGAMOTTE TIDE ON 09/28/2022.

**RENTAL TOOLS ON BOARD:**

COUGAR 6-3/4" JAR S/N DJ6-675-134 RECEIVED ON 02/04/2023 MNF# 2100679344 - WILLIAM R  
 COUGAR 4-3/4" JAR S/N DJ6-500-380 RECEIVED ON 02/04/2023 MNF# 2100679344 - WILLIAM R

**PERSONNEL ON BOARD:**

ARAMCO MATERIAL EXPEDITOR NASSIR ALYAMI #8280776 ARRIVED ON RIG ON 02/14/2022.  
 ARAMCO MATERIAL EXPEDITOR SULTAN ALHUAZALI #8389807 ARRIVED ON RIG ON 02/21/2022.  
 ARAMCO PDP HAMAD AL SHALAWI #820755 ARRIVED ON RIG ON 02/21/2023.  
 ODD HSE PEREZ JOSE R # 8567397 ON BOARD FOR HSE GAP ANALYSIS SINCE 02/21/2023.

**NEXT LOCATION: SFNY-4070 MLC**

RM-2023-4008335 TO MOVE RIG ADC-60 FROM MRJN-560 TO SEA HAS BEEN SUBMITTED FOR APPROVAL.  
 RM-2023-4008337 TO MOVE RIG ADC-60 FROM SEA TO SFNY-4070 MLC WELL HAS BEEN SUBMITTED FOR APPROVAL.  
 CRM REQUEST #8800019285 FOR RIG POSITIONING OVER MRJN-560 SUBMITTED FOR APPROVAL 01/24/2023.  
 DIVING REQUEST DP-2023-12988 HAS BEEN INITIATED FOR POST LOAD TEST CHECK.  
 DIVING REQUEST DP-2023-12987 HAS BEEN INITIATED FOR PRE-LOAD TEST CHECK.  
 CRM REQUEST #4044602467 HAS BEEN INITIATED TO RELOCATE VSAT IN THE NEW LOCATION.

**Remarks**

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS								
MUD DATA	Weight <b>76</b> PCF	Funnel Vis. <b>36</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9.52</b>	CA PPM <b>105000</b>	CL PPM <b>187000</b>											
	FL Temp <b>120</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>89</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>11</b>	Sand Vol. % <b>0</b>	% LGS	MBT <b>0</b>	Mud type <b>CACL</b>	Water Well #												
	Weight <b>92</b> PCF	Funnel Vis. <b>55</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>17</b>	YP <b>33</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>14 / 15</b>	Gels Sec/Min <b>16 / 19</b>	PH <b>9</b>	CA PPM <b>280</b>	CL PPM <b>48000</b>											
	FL Temp <b>120</b>	Cake HTHP <b>0</b>	Cake API <b>0.5</b>	Water Vol. % <b>80</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>20</b>	Sand Vol. % <b>0.1</b>	% LGS	MBT <b>0</b>	Mud type <b>WBM</b>	Water Well #												
MUD TREATMENT																							
BIT DATA																							
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #									
Miscellaneous	BOP Test <b>02/07/2023</b>	BOP Drills <b>DAILY</b>	Wind <b>6-7 KNOTS N</b>	Sea <b>2-3 FT</b>	Weather <b>SEASONAL</b>	DSLTA	Safety Meeting <b>PRE-TOUR / WEEKLY</b>																
	Real-Time Data Quality		Sensors Quality		95%	Data Frequency		100%	Real-Time Hrs		10.99/24 hrs												
Personnel and Services Information	COMPANY	HCB	GOS	RIG	BDF	WI1	BR1	RIG	ARM	SCM	ARM	SAM	GEP	BAW	Total <b>88</b>								
	CATEGORY	BRCR	CTR G	RIG	DFMS	WMFE	MLS	OTHR	OTHR	PCS	WSC	WBCS	WHES	WLS									
	NO. OF PERSONS	1	14	52	1	1	0	4	4	2	2	1	1	5									
	OPERATING HRS.	0	0	24	24	0	24	0	12	24	24	14	0	10									
	ON LOCATION HRS.	24	24	24	24	0	24	24	24	24	24	24	24	24									
Trucks/Boats	Standby/Tankers <b>HADI-41</b>	KEHOE TIDE																					
BULK	Drill Wtr.-BBLS <b>2237</b>	Pot Wtr.- BBLS <b>1206</b>	Fuel- BBLS <b>1412</b>	Barite- SX <b>2020</b>	Bentonite - SX <b>759</b>	Cement G- SX <b>2985</b>																	
REPAIR ASAP	Instrumentation	Other													Reporter								
Computer, Communication & V-Sat Issues																							

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D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ANDR-599 (TRI-LATERAL HORIZONTAL 62L OIL PRODUCER TARGETING ARBD ZONE-1)</b> Charge #: <b>(66- 22056- 0599)</b> Wellbores: (0) ANDR_599_0	Rig <b>ADC-62L</b>	Foreman(s) <b>ALI, AMR ABDEL/ RAZA, HUSNAIN/ ABABATIN, YASSER ABDULLATIF/ HARBI, MAGBEL MENAWER</b>
		Engineer Superintendent	<b>THURAYA</b> <b>+8821677712545</b> RIG FORMAN VSAT 3786460
			CONTRACTOR/CLERK VSAT 3786461

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>7526</b>	<b>CONT. RIH WITH MDT-GR TOOLS ON TLC, RECORD PRESSURE POINTS AS PER PROGRAM.</b>	<b>CONT. RIH SLB WL MDT-GR ON TLC, RECORD PRESSURE POINTS, POOH &amp; COLLECT FORMATION SAMPLES AS PER PROGRAM.</b>	<b>PASS ANDR GOSP-2 TOWARDS NORTH DIRECTION LEFT SIDE ROAD.</b>	<b>29.9 (01/28/2023@0600)</b>	<b>AS PER GOC (27' MDTM 5095 SHALLOWER THAN PROGRAM). 5548' TVD AS PER SULY 5550 GOC (3' SHALLOWER THAN PROGRAM). 6098' TVD AS PER HITH 6100 GOC (3' DEEPER THAN PROGRAM). 6582' TVD AS PER ABAR 6584 GOC (16' SHALLOWER THAN PROGRAM). 6615' TVD AS PER ARBB 6617 GOC (16' SHALLOWER THAN PROGRAM). 6670' TVD AS PER ABBR 6672 GOC (15' SHALLOWER THAN PROGRAM). 6698' TVD AS PER ARBC 6700 GOC (13' SHALLOWER THAN PROGRAM). 6791' TVD AS PER ABCR 6793 GOC (18' SHALLOWER THAN PROGRAM). 6870' TVD AS PER ARBD 6872 GOC (25' SHALLOWER THAN PROGRAM). 6960' TVD AS PER PADS 6962 GOC (25' SHALLOWER THAN PROGRAM). 6973' TVD AS PER BPDS 6975 GOC (28' SHALLOWER THAN PROGRAM). 6981' TVD AS PER D010 6983 GOC (45' SHALLOWER THAN PROGRAM).</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>7526</b>					<b>9 5/8</b>	<b>5146</b>	<b>5146</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		OOS ID	Summary of Operations
									Start	End	Start	End		
02.0	0500 - 0700	0	6 1/8	E	LOG	TI	STDP	RIG	7526	7526	3583	4950	6669	RIH SLB WL MDT-GR LOGGING ASSY ON DRIFTED 5" DP STDS F/ 3,583 FT TO 4,950 FT (LATCHING DEPTH). - RIH TOTAL 3 STDS X 4" HWDP + 33 STDS X 4" DP + 15 STDS X 5" DP. - CONTROL RIH SPEED @ 3 MINS SLIP-TO-SLIP. - FILL UP STRING WITH DP-SCREEN EVERY 10 STANDS AND BREAK CIRCULATION. - MONITOR WELL ON TRIP TANK & TRIP SHEET.
00.5	0700 - 0730	0	6 1/8	E	LOG	RR	TDS	RIG	7526	7526			6669	SERVICE TDS.
01.5	0730 - 0900	0	6 1/8	E	LOG	CIRC	MPMP	RIG	7526	7526			6669	CIRC. FOR 1.5X STRING VOL. MEANWHILE HOLD PJSM & R/U WL SHEAVES.
00.5	0900 - 0930	0	6 1/8	E	LOG	OTH	NA	SWL	7526	7526			6669	M/U WL CSES TO THE STRING. - MONITOR WELL ON TT & TRIP SHEET.
03.5	0930 - 1300	0	6 1/8	E	LOG	OTH	NA	SWL	7526	7526			6669	LATCH PWCH ONTO LOGGING ASSY. &

															<b>CONFIRM LATCH.</b> - FUNCTION TEST LOGGING TOOLS - OK. - INSTALL CABLE CLAMP ON CSES & PERFORM PULL TEST @ 3,000 LBS - OK. - INSTALL SNATCH PULLEY. - MONITOR WELL ON TT & TRIP SHEET.
00.5	1300 - 1330	0	6 1/8	E	LOG	PJSM	NA	RIG	7526	7526				6669	HELD PJSM PRIOR TO RUN WL MDT-GR ON TLC LOGGING, DISCUSSED SCHL & RIG JSA & CLARIFIED RISKS AND RESPONSIBILITIES.
03.0	1330 - 1630	0	6 1/8	E	LOG	TI	STD P	RIG	7526	7526	4950	6595		6669	RIH SLB WL MDT-GR LOGGING ASSY ON TLC F/ 4,950 FT TO 6,595 FT. - CONTROL RUNNING SPEED @ 4-5 MIN SLIP-TO-SLIP. - OPEN HOLE IN GOOD CONDITION. - MONITOR WELL ON TT & TRIP SHEET.
12.5	1630 - 0500	0	6 1/8	E	LOG	LOG	WLT	SWL	7526	7526	6595	7300		6669	RECORD PRESSURE POINTS F/ 6,595 FT TO 7,300 FT AS PER LOGGING PROGRAM. - RECORD TOTAL 9/25 PRESSURE POINTS IN ABAR & ARBD FORMATIONS (IN PROGRESS). - PERFORM STICK TEST @ 3, 5, 8, & 15 MINS BEFORE TAKING 1ST PRESSURE POINT IN EACH FORMATION AND CHECKED STRING AFTER ECAH STEP, STRING FREE. - PERFORM STICK TEST @ 3 & 8 MINS BEFORE TAKING NEXT PRESSURE POINTS IN SAME FORMATION - STRING FREE. - RECORD PRESSURE POINTS WITH MAX. STATIONARY TIME 30 MINS - NO OVERPULL. - MONITOR WELL ON TT & TRIP SHEET.

**Out of Scope Details**

From	Hrs	Cum. Hrs	DOOS ID	Type	Category	Out of Scope Summary
23 Feb 0000	24	76	6669	OOS	LOG	NMR, MDT & CALIPER LOGGING RUNS

=====OBJECTIVE OF THE WELL=====

\* WELL ANDR-599 , WHICH IS TO BE DRILLED AS A TRI-LATERAL HORIZONTAL OIL PRODUCER TARGETING ARBD ZONE-1 RESERVOIR WITH 8-1/2" PILOT HOLE. THE WELL WILL BE COMPLETED WITH SMART COMPLETIONS AND WILL BE EQUIPPED WITH PDHMS IN THE MOTHERBORE FOR REGULAR PRESSURE MONITORING AND ICD LOWER COMPLETION IN EACH LATERAL.

=====CASING SETTING DEPTH=====

- 24" CONDUCTOR PLAN/ACTUAL: 115'/115'.
- 18-5/8" CSG PLAN/ACTUAL: 661'/650' (35' INTO RUS).
- 13-3/8" CSG PLAN/ACTUAL: 3061'/3052' (32' INTO AHMD).
- 9-5/8" CSG PLAN/ACTUAL: 5172'/5146' (51' INSIDE MDTM).
- 7" LINER PLAN/ACTUAL: 9200' MD, 7044'TVD/XXXX' MD, XXXX' TVD (XXX FT MD INTO BPADS).
- L-0 6-1/8" OPEN HOLE L-0, PLAN/ACTUAL: 7507'/7526' MD/7507' TVD / 7524 FT.
- L-1 6-1/8" OPEN HOLE L-1, PLAN/ACTUAL: 13638'/XXXXXX' MD/7129' TVD / XXXX' FT.
- L-2 6-1/8" OPEN HOLE L-2, PLAN/ACTUAL: 13433'/XXXXXX' MD/7097' TVD / XXXX' FT.
- L-3 6-1/8" OPEN HOLE L-3, PLAN/ACTUAL: 12807'/XXXXXX' MD/7104' TVD / XXXX' FT.

=====ARAMCO PERSONNEL ON LOCATION=====

=====WCE=====

- FUNCTION TESTED IGNITION SYSTEM ON 21-FEB-2023.
- CHANGE 13-5/8" ANNULAR PREVENTER ELEMENT ON 2-FEB-2023, TYPE: SHAFFER NITRITE.
- =====NEXT WELL ADC-62L =====
- ANDR-3041, 15% READY AS PER LAST UPDATE FROM WELLSITE ENGINEER ON 26-FEB-2023.
- ANDR-3042, ZERO% (W3 REQUEST NOT ISSUED).

=====CONTACTOR PERSONNEL VISITS=====

**Remarks**

Lateral	Survey MD		Angle	Azimuth	CLength		TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight <b>86</b>	Funnel Vis. <b>62</b> SEC	Filtrate(WL) <b>2.6</b> HTHP	Filtrate (WL) API	PV <b>17</b>	YP <b>14</b>		Electrical Stability <b>688</b> Volts	3/6 RPM <b>7 / 8</b>	Gels Sec/Min <b>8 / 10</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>22000</b>
	FL Temp <b>120</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. %	Oil Vol. %	Solids Vol. %		Sand Vol. % <b>0.1</b>	% LGS <b>3.35</b>	MBT <b>0</b>	Mud type <b>OBM</b>	Water Well # <b>ANDR-839</b>	
	Weight <b>86</b>	Funnel Vis. <b>63</b> SEC	Filtrate(WL) <b>2.8</b> HTHP	Filtrate (WL) API	PV <b>17</b>	YP <b>14</b>		Electrical Stability <b>681</b> Volts	3/6 RPM <b>7 / 8</b>	Gels Sec/Min <b>8 / 10</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>22000</b>

	FL Temp <b>120</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>15</b>	Oil Vol. % <b>59</b>	Solids Vol. % <b>26</b>	Sand Vol. % <b>0.1</b>	% LGS <b>3.35</b>	MBT <b>0</b>	Mud type <b>OBM</b>	Water Well # <b>ANDR-839</b>										
MUD TREATMENT																					
BIT DATA																					
DRILL STRING	Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #																				
Miscellaneous	BOP Test <b>02/14/2023</b>		BOP Drills <b>02/14/2023</b>		Wind <b>SEASONAL</b>		Sea <b>N/A</b>	Weather <b>SEASONAL</b>	DSLTA		Safety Meeting										
	Real-Time Data Quality			Sensors Quality		86%	Data Frequency		100%	Real-Time Hrs		10.68/24 hrs									
Personnel and Services Information	COMPANY		TSC	OTH	SDM	RIG	SMI	MJH	SWL	TK3	RIG	ARM	SCM	OTH	TK3	ARM	Total <b>92</b>				
	CATEGORY		CSR	CTRG	DPDS	RIG	DFMS	SEC	LPS	OTHR	OTHR	OTHR	PCS	VAC	WSC	WSC					
	NO. OF PERSONS		0	16	0	43	1	6	5	2	12	0	0	2	3	2					
	OPERATING HRS.		0	0	0	24	24	24	24	12	24	0	0	12	24	24					
	ON LOCATION HRS.		0	24	0	24	24	24	24	24	24	0	0	24	24	24					
Trucks/Boats	Standby/Tankers	AMBULANCE	PICKUP8938																		
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX <b>2600</b>															
REPAIR ASAP	Instrumentation		Other										Reporter								
	Computer, Communication & V-Sat Issues																				

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D&WO Morning Report (Service Providers View) Copyright 2010 Saudi Aramco. All Rights Reserved Daily Onshore (0500-0500) Saudi Aramco			Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HWYH-1253 (MK1 VERTICAL WELL ACROSS KHUFF-B AND KHUFF-C RESERVOIRS.)</b>	Rig <b>ADC- 64L</b>	Foreman(s) Engineer Superintendent <b>ZERROUKI, MOHAMED/ OMBE, EBIKEBENA MARK/ GAHTANI, SAEED MUARREH</b>	THURAYA	RIG FORMAN VSAT	OTHER VSAT	OTHER VSAT	OTHER VSAT	CONTRACTOR/CLERK VSAT
<b>*8821677712646 ARM: 013-577-3986 FCT: 013-577-9350 IDS-WSL: 013-6648812 ADC-RM: 013-8297664 MAT EXP: 013-577-3961</b>												

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>14360</b>	<b>RIH &amp; SET INTERWELL PLUG. INSTALL BPV. N/U BOP. N/U XTREE &amp; P/T SAME. RUN FINAL DRIFT. INSTALL BPV. SECURE THE WELL &amp; RELEASE RIG</b>	<b>RIG MOVE TO HWYH-1259</b>	<b>199.22 KM FROM THE DAHRAN MAIN GATE</b>	<b>50.5 (01/07/2023@1700)</b>	AHMD 3245 58' DEEPER SHUB 4550 62 DEEPER MDTM 5880 88' DEEPER SULY 6512 94' DEEPER HITH 7135 64' DEEPER ABAR 7607 79' DEEPER ABBR 7732 82' DEEPER ARBC 7751 64' DEEPER ABCR 7875 38' DEEPER ARBD 7980 31' DEEPER PADS 8117 31' DEEPER LFDR 9586 30' DEEPER MRRT 10313 5' HIGHER MNJR 10668 112' HIGHER JILH 11031 42' HIGHER BJDM 11487 59' HIGHER MDJR 11794 59' HIGHER SUDR 12705 10' HIGHER SDDM 13149 15' DEEPER BSRD 13178 1' HIGHER KFBC 14110 16' DEEPER KC01 14128 24' DEEPER KC02 14150 18' DEEPER KC03 14172 5' HIGHER KC04 14190 3' HIGHER KC05 14208 2' DEEPER KC06 14219 AS PROGRAM KC07 14240 AS PROGRAM KC08 14266 4' DEEPER KC09 14285 2' HIGHER KC10 14308 7' DEEPER KC11 14336 2' HIGHER KC12 14372 1' HIGHER KFDA 14392 4' HIGHER

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>13644</b>	<b>4 1/2</b>	<b>13302</b>	<b>14617</b>	<b>14617</b>	<b>9 5/8</b>	<b>11534</b>	<b>11513</b>	<b>716</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations					
									Start	End	Start	End	Start	End	Start	
02.0	0500 - 0700	0		C	COMP	SET	PLUGT	INW	14620	14620	0	400	- RUN AND SET THE HPHT RETRIEVABLE BRIDGE PLUG ON SLICKLINE AT 400 FT, POOH. R/D S/L.			
00.8	0700 - 0745	0		C	COMP	OTH	TBG	RIG	14620	14620			B/O & L/D THE LANDING JOINT. - B/O & L/D LANDING SUB FROM LANDING JNT. - R/D NABORS TUBING RUNNING TOOLS			
00.8	0745 - 0830	0		C	WH	SET	BPV	ARM	14620	14620			R/U GWSD AND INSTALLED 4" BPV			
04.5	0830 - 1300	0		C	BOP	ND	BOP	RIG	14620	14620			HPJSM, N/D 13-5/8" 10M CLASS 'A' BOP STACK. - N/D FLOW LINE, BELL NIPPLE, - DISCONNECTED CHOK LINE, KILL LINE AND EMERGENCY KILL LINE. - DISCONNECTED BOP'S AND N/D SAME.			
02.5	1300 - 1530	0		C	WH	NU	WH	IWS	14620	14620			N/U 10M VETCO GRAY TUBING BONNET W/ 4" X 10M LOWER MANUAL MASTER VALVE. LMMV, S/N: DJ5128938; PN: H4076021ARM1) - P/T HANGER NECK VOID TO 7,500 PSI FOR 10 MIN - OK.			
02.0	1530 - 1730	0		C	WH	NU	TREE	IWS	14620	14620			N/U VETCO GRAY 4-1/16" 10 M X-TREE. S/N: DJ2608330. PN:H456683-1H203 - SECONDARY MASTER ACTUATOR/UPPER MASTER.			
01.0	1730 - 1830	0		C	WH	SET	BPV	IWS	14620	14620			RETRIEVED BPV AND INSTALLED TWCV			
01.0	1830 - 1930	0		C	WH	PTST	TREE	IWS	14620	14620			P/T X-MASS TREE AT 10,000 PSI-OK			
00.5	1930 - 2000	0		C	WH	SET	BPV	IWS	14620	14620			RETRIEVED TWCV			

01.0	2000 - 2100	0		C	COMP	NU	SNIP	SLL	14620	14620			HPJSM, R/U SLICKLINE WITH BOP/LUBRICATOR AND P/T SAME.
01.5	2100 - 2230	0		C	COMP	HT	PLUGT	INW	14620	14620			RIH AND RETRIEVED INTERWELL PLUG FROM 400 FT.
04.5	2230 - 0300	0		C	COMP	DTU	DRFT	SLL	14620	14620			SLICK LINE PERFORM BELOW RUN: - RUN # 2: RETRIEVE PRONG FROM UPPER R NIPPLE. - RUN # 3: REMOVE PLUG FROM UPPER R NIPPLE. - PERFORMED FINAL DRIFT 3.625" WITH S/L TO 14458 FT (PBTD)- OK. - POOH SL AND L/D SAME.
01.0	0300 - 0400	0		C	WH	SET	BPV	IWS	14620	14620			R/U GWSD WITH LUBRICATOR, INSTALLED 4" BPV, R/D GWSD.
01.0	0400 - 0500	0		C	WH	OTH	NA	IWS	14620	14620			SECURED THE WELL BY CLOSING LMMV, ALL VALVES WITH ACTUATORS ON X-MAS TREE AND MANUAL VALVES. - CHECKED ALL CCA AND TCA PRESSURES ZERO PSI.
00.0	0459 - 0459	0		S	OT	RELS	NA	RIG	14620	14620			RELEASED RIG ON 27-FEBRUARY -2023 AT 05:00 HR. - NEW WELL HWYH-1259.

WELL OBJECTIV: PLANNED TO BE DRILLED AS MK1 VERTICAL WELL ACROSS KHUFF-B AND KHUFF-C RESERVOIRS AND WILL BE COMPLETED WITH 10K CEMENTED LINER. A SEPARATE SUPPLEMENT WILL BE ISSUED TO COVER THE COMPLETION DETAILS.

RER 1/2 LFL = 97 M; 100 PPM = 164 M; 30 PPM = 472 M

- SGA-1: N 2,733,238.00 M, E 323,939.00 M 1.0KM
- SGA-2: N 2,731,706.00 M, E 324,581.00 M 1.0 KM

#### =====RIG MOVE=====

RIG MOVE PERCENTAGE :RD 100 % ; RM 100 % ; RU 100 % .

#### =====PLANNED VS ACTUAL CASING DEPTHS=====

- 24" CASING POINT AT +- 1140 FT MD/TVD (50' INTO RUS). ACTUAL 950' (50' INTO RUS)
- 18-5/8" CASING POINT AT +- 3230 FT MD/TVD (50' INTO THE AHMADI). ACTUAL 3298 (53' INTO AHMADI )
- 13-3/8" CASING POINT AT +- 5,923 FT MD / TVD, (50' INTOMDTM)
- 9-5/8" CASING POINT AT +- 11,423 FT MD / TVD 0 DEG (30' TVD INTO JILH DOLOMITE),
- 7" CASING POINT AT +- 13,585 FT MD/ 12,843 FT TVD (11' TVD ABOVE KFBR). ACTUAL 13641 FT (10 FT INTO KFBC)
- 4-1/2 CASING POINT AT +/- 14596 FT MD (200 FT INTO KFDA). ACTUAL 14617 FT (200 FT INTO KFDA)

#### =====FLAT TIME KPI=====

- NONE

#### =====ARAMCO ERSONNEL=====

- MATERIAL EXPEDITOR HAMED M AL-HABES ID #8341694 ON LOCATION 2/18/2023

#### =====IDS PERRSONNEL=====

- IDS SUPERVISORS; DAY: ATAF, NIGHT: SOFIANE

#### =====3RD PARTY EQUIPMENT=====

#### =====3RD PARTY PERSONEL=====

#### =====VACUUM TANKERS ON LOCATION HWYH-1253=====

GECAT REQUEST# 1003807956

- PLATE# 8469 02 LOADS
- PLATE# 1021 02 LOADS
- PLATE# 1249 02 LOADS
- PLATE# 3983 02 LOADS

TOTAL: 08 LOADS .

#### =====AUDITS=====

2022, 1ST RSI: 42 ITEMS,0 OPEN ; 2022 2ND RSI: 18 ITEM, 01 OPEN ; WCI: 11 ITEM, 0 OPEN ; HAZCOM SCORE: 98%, CEHA SCORE= 95%

#### =====HSE=====

TODAY PRE TOUR-SAFETY MEETING CONDUCTED AT 11:40 AM AND PARTICIPATED BY RSTC, WSL, RS AND ARAMCO FOREMAN AND ALL SHIFT CREW MEMBERS, THE TOPICS OF DISCUSSION WERE AS FOLLOWS:

HIGHLIGHTED THE HSE DAILY TOPIC: ELECTRICAL SAFETY  
 ENSURE ALL OPENING FOR REMOVAL OF THE LADDER OR EQUIPMENT  
 ENSURE INSPECTED LIFTING GEARS TO BE USED.  
 ENSURE FALL PROTECTION EQUIPMENT TO BE USED PROPERLY.  
 ENSURE NO ONE STAY IN THE LINE OF FIRE.  
 OPERATIONAL SAFETY AND NEXT OPERATION GAME PLAN.

WEEK NO: 09

DRILLS: 2X PIT, 2X FIRE PUMP

DWLTI: 1719

#### =====WATER WELLS=====

>> HWYH-3543 @ 6 KM. SHEARED WITH RIG SIPEM

>> HWYH-811 @ SHEARED WITH RIG ADC-65 & SANAD-2001

NEXT LOCATION HWYH-1259 80 % READY

#### =====RIG DIESEL CONSUMPTION=====

- DAILY DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP) = 26 BBLS

- CUMULATIVE DIESEL CONSUMPTION PER WELL =2564 BBLS (TOTAL FOR HWYH-1253)

- (TOTAL FOR FEBRUARY 2136) = 990 BBLS6

=====ARAMCO MUDIESEL=====

- 1000 BBLS OF MUD DIESEL ALLOWED FOR HWYH-1253

- TOTAL RECEIVED =10000 BBLS

- STOCK = 300 BBLS

- CONSUMPTION = 700 BBLS TODAY

=====MUD MOTOR ==

Remarks

Lateral	Survey MD			Angle	Azimuth		CLength		TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS				
MUD DATA	Weight <b>70</b>	PCF	Funnel Vis. <b>27</b>	SEC	Filtrate(WL) <b>0</b>	HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b>	Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>10.4</b>	CA PPM <b>0</b>	CL PPM <b>0</b>				
	FL Temp <b>0</b>		Cake HTHP <b>0</b>		Cake API <b>0</b>		Water Vol. % <b>100</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>0</b>	Sand Vol. % <b>0</b>	% LGS	MBT <b>0</b>	Mud type <b>WBM-NAC</b>	Water Well # <b>HWYH-811, HWYH-3543</b>						
	Weight <b>70</b>	PCF	Funnel Vis. <b>27</b>	SEC	Filtrate(WL) <b>0</b>	HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b>	Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>10.4</b>	CA PPM <b>0</b>	CL PPM <b>0</b>				
	FL Temp <b>0</b>		Cake HTHP <b>0</b>		Cake API <b>0</b>		Water Vol. % <b>100</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>0</b>	Sand Vol. % <b>0</b>	% LGS	MBT <b>0</b>	Mud type <b>WBM-CAC</b>	Water Well # <b>HWYH-811, HWYH-3543</b>						
MUD TREATMENT																				
BIT DATA	Bit Number <b>8</b>	IADC <b>M432</b>	Size <b>5.875</b>	Manufacturer <b>SMT</b>	Type <b>QF7762</b>	Serial Number <b>MDSI713V2C</b>	Jets <b>/ 3 X 13 /</b>	TFA <b>0.389</b>	MD In <b>13644</b>	MD Out <b>14620</b>										
	Feet <b>10</b>	Hours <b>60</b>	WOB <b>1</b>	RPM <b>1</b>	I-Row <b>WT</b>	O-Row <b>A</b>	DC <b>X</b>	Loc <b>0</b>	Pressure <b>2500</b>	GPM <b>250</b>	Jet Vel <b>207</b>	DP Av <b>330.94</b>	DC Av <b>85</b>							
DRILL STRING	Float <b>Y</b>																			
	BHA Hrs: <b>2</b>																			
Miscellaneous	String Wt. <b>316</b>	Pick Up <b>285</b>	Slack Off <b>280</b>	Rot. Torque <b>280</b>				Jars: Serial #/Hrs <b>/ /</b>			Shock Sub: <b>/ /</b>	Mud Motor: <b>/ /</b>								
	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #						
Personnel and Services Information	BOP Test <b>02/23/2023</b>		BOP Drills <b>02/23/2023</b>		Wind <b>SEASONAL</b>		Sea	Weather		DSLTA		Safety Meeting <b>DAILY</b>								
	Real-Time Data Quality			Sensors Quality <b>81%</b>			Data Frequency <b>100%</b>		Real-Time Hrs <b>3.24/24 hrs</b>											
Trucks/Boats	Standby/Tankers <b>ARAMCO TRUCK AB-5568</b>																			
BULK	Drill Wtr.-BBLS		Pot Wtr.- BBLS		Fuel- BBLS <b>580</b>		Barite- SX		Bentonite - SX		Cement G- SX									
REPAIR ASAP	Instrumentation Computer, Communication & V-Sat Issues															Reporter				

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Total  
**91**

Date	MONDAY 02/27/2023	Well No (Type) :	HWYH-1337 (GAP WELL, MK-1 SINGLE LATERAL WELL ACROSS KHUFF C & COMPLETED WITH 15K MSF.)	Rig ADC- 65L	Foreman(s) Engineer Superintendent	BELLOUT, MOHAMED JALALE/ NASSER, MOHAMMED HASAN/ JALLAL, FAISAL ALI						
THURAYA	00882-167-771-2647	RIG FORMAN VSAT	013-577-3982	OTHER VSAT	013-577-9351 (FCT)	013-829-7665 (CLINIC)	013-664-8813 (IDS)	013-829-7765 (ADC)	013-829-7765 (ADC)	CONTRACTOR/CLERK VSAT	013-577-3908	

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
21500	WORK ON STUCK STRING, PERFORM 7TH ACID JOB, WORK ON STUCK, CHC, POOH.	RIH WITH 2"7/8" D/P OPEN END ON 4" & 5"1/2 D/P FOR KICK OFF CEMENT PLUG.	HWYH-1337	73.8 (12/15/2022@1000)	KFCC 13712 KC01 13775 KC02 13810 13' DEEPER 44' DEEPER 58' DEEPER
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %
21500	7	10834	14595	13723	9 5/8 11127 11127 0 100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	LT TYPE	LT ID	Summary of Operations	
01.0	0500 - 0600	0		C	FISH	CIRC	MPMP	RIG	21500 21500		STUK	908976	WORKED ON STRING TO RELEASE SAME. - APPLIED MAXIMUM OP WITH JARRING UP -- NO PROGRESS. - CIRCULATE OUT ACID TO THE SURFACE AFTER WORKING ON STRING FOR 2 HOURS. * TOTAL VOLUME LOST DURING ENTIRE ACID JOB: 8 BBLS.	
01.0	0600 - 0700	0		C	FISH	CIRC	MPMP	RIG	21500 21500		STUK	908976	CIRCULATE OUT SPENT ACID TO SURFACE. - CLOSED BOP AND CIRCULATED THROUGH CHOKE MANIFOLD BEFORE ACID REACHED SURFACE. - OBSERVED 70 BBLS ACID/MUD CONTAMINATION ON SURFACE. - NO LOSSES.	
00.5	0700 - 0730	0		C	FISH	OTH	NA	RIG	21500 21500		STUK	908976	HPJSM PRIOR TO ACID JOB. P/U, M/U PUP JT + FOSV + SES + FOSV + PUP JT ASSEMBLY.	
02.0	0730 - 0930	0		C	FISH	CIRC	MPMP	RIG	21500 21500		STUK	908976	PERFORMED 7 TH ACID JOB AS FOLLOWS: - RIG PUMPED 65 BBLS OF 96 PCF MUD + 10 BBLS OF 86 PCF SURFACTANT PILL. - CEMENT UNIT PUMPED 78 BBLS ACID. (10% VDA). - RIG PUMPED 10 BBLS SURFACTANT PILL + 30 BBLS OF 96 PCF MUD. - PUMPED 248 BBLS OF 86 PCF MUD TO DISPLACE ALL ACID OUT OF THE STRING. * STARTED WORKING ON STRING WHILE DISPLACING THE ACID INTO THE ANNULUS	
02.5	0930 - 1200	0		C	FISH	CIRC	MPMP	RIG	21500 21500		STUK	908976	WORKED ON STRING TO RELEASE SAME. - APPLIED MAXIMUM 220 KLBS OP, 220 KLBS SO AND MAX 75 KLBS WHILE JARRING UP. -- NO PROGRESS. - STARTED CIRCULATE OUT ACID TO THE SURFACE AFTER WORKING ON STRING FOR 1 HOUR, NO SUCCESS. * DECISION CAME TO PULL OUT AND SET CEMENT PLUG FOR SIDETRACK. * OBSERVED PRESSURE DROP AND STRING WT. DROPPED TO 337 KLB (SPEAR STRING WT. 337 KLB) WHILE WORKING ON THE STUCK. CONTINUE CIRC ACID OUT. * TOTAL VOLUME LOST DURING ENTIRE CITRIC ACID JOB: 10 BBLS.	
01.0	1200 - 1300	0		C	FISH	CIRC	MPMP	RIG	21500 21500		STUK	908976	CIRCULATE OUT SPENT ACID TO SURFACE. - CLOSED BOP AND CIRCULATED THROUGH CHOKE MANIFOLD BEFORE ACID REACHED SURFACE. - OBSERVED 85 BBLS ACID/MUD CONTAMINATION ON SURFACE. - NO LOSSES.	
00.5	1300 - 1330	0		C	FISH	RW	FISHT	RIG	21500 21500	14984 14600	STUK	908976	POOH W/ FISHING BHA TO SHOE. - HOLE IN GOOD CONDITION. - MONITOR WELL THROUGH TRIP TANK.	
00.5	1330 - 1400	0		C	FISH	CIRC	MPMP	RIG	21500 21500	14600 14600	STUK	908976	FLOW CHECK, WELL STATIC. - PUMP SLUG PILL.	
02.0	1400 - 1600	0		C	FISH	TO	STDP	RIG	21500 21500	14600 10600	STUK	908976	POOH W/ FISHING BHA. - MONITOR WELL THROUGH TRIP TANK.	
01.5	1600 - 1730	0		C	FISH	OTH	NA	RIG	21500 21500				SLIP AND CUT DRILLING LINE - MONITOR WELL THROUGH TRIP TANK.	
05.0	1730 - 2230	0		C	FISH	TO	STDP	RIG	21500 21500	10600 0	STUK	908976	POOH W/ FISHING BHA TO SURFACE. - MONITOR WELL THROUGH TRIP TANK.	
01.0	2230 - 2330	0		C	FISH	HT	FISHT	RAC	21500 21500		STUK	908976	HPJSM, L/D SPEAR FISHING BHA. - L/D ITCO SPEAR + XO + 4-3/4" SJ + X/O + BIT SUB + 4"3/4 BUMPER SUB + 4"3/4 F-JAR + XO + 4"3/4 INTENSIFIER JAR + XO. - OBSERVED A VERTICAL CRACK IN THE 3.861" GRAPPLE - LOST IN HOLE 4-1/2" PACK OFF. - OBSERVED LOOSE CONNECTION BETWEEN BTM OF SAFETY JOINT AND TOP X/O. - MONITOR WELL THROUGH TRIP TANK.	
01.0	2330 - 0030	0		C	CT	HT	BHA	RIG	21500 21500		STUK	908976	R/U 2-7/8" HANDLING TOOLS.	
04.5	0030 - 0500	0		C	CT	LDP	STRG	RIG	21500 21500	0	1000	STUK	908976	HPJSM, P/U & RIH WITH OPEN END 2-7/8" D/P (10.4#, S-135, PAC) CEMENT STRING. - RIH WITH 35 JTS OF RAWABI 2-7/8" D/P, PAC. - DRIFT ALL JTS. - CONTINUE RIH W/ 4" DP... ONGOING RPT

**- MONITOR WELL ON TRIP TANK.**

**Lost Time Details**

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
11 Feb 0700 - 0500	22.5	293	908976		STUK	STBG	TBG	TK3	16750	LOWER COMPLETION GOT STUCK WHILE RIH AFTER CONNECTION AT 16750'.

**WELL OBJECTIVE:** HWYH-1337, IS PLANNED AS GAP WELL, MK1 SINGLE LATERAL WELL ACROSS KHUFF-C RESERVOIR IN THE MIN. HZ STRESS DIRECTION & WILL BE 15K MSF.

===== ERP NON-POPULATED AREA =====

- HWYH-1337, NON-POPULATED AREAS WITHIN THE 30 PPM RER.

===== PERSONNEL ON LOCATION =====

>> ARAMCO MATERIAL EXP. FAISAL T. ALAJMI# 8530517 ON LOCATION SINCE 2/15/2023.

>> IDS WSL: DAY (AHMED)/NIGHT (MAHMOUD).

\*\*\*RIG VISIT \*\*\*

ADC RM YOUSEF ELGOHARY LAST VISIT 2/9/2023.

ADC SAFETY SUPERVISOR LAURENT LAST VISIT 1/27/2023.

ADC OPERATION MANAGER - 12/20/2022.

IDS PROJECT MANAGER - 2/18/2023.

IDS DRILLING SUPERINTENDENT - 1/20/2023.

IDS SAFETY GERARDO LAST VISIT 1/27/2023.

IDS WELL OPER. MG RAED GHALI LAST VISIT 2/1/2023.

=====HSE=====

>> GDD SAFETY TOPIC - ELECTRICAL SAFETY, ELECTRICAL HAZARDS AND SAFETY CONTROLS IN PLACE, GFCI BREAKER REQUIREMENT IN LOCATION.

>> DRILLS: PIT DRILL X 2, FIRE PUMP TESTS.

>> NEAR MISS SLS CONTRACTOR: 0 YTD.

>> TOTAL STOP CARDS: 10.

>> SWA: 2

===== PLAN VS ACTUAL CSG SETTING DEPTHS=====

>> 24" CSG POINT PLAN AT 1,059' (50' INTO RUS FM), ACTUAL AT 815' - FLAT TIME PLAN: 67 HR, ACTUAL 32.75 HR.

>> 18 5/8" CSG POINT PLAN AT 3,109' (50' INTO AHMD FM), ACTUAL AT 3,053' - FLAT TIME PLAN: 116 HR, ACTUAL 60.75 HR.

>> 13 3/8" CSG POINT PLAN AT 5,562' (50' INTO MDTM FM), ACTUAL AT 5,605' - FLAT TIME PLAN: 144 HR, ACTUAL 100 HR.

>> 9 5/8" CSG POINT PLAN AT 11,125' (30' INTO BJDM FM), ACTUAL AT 11,127' - FLAT TIME PLAN: 226 HR, ACTUAL 148.5 HR.

>> 7" CSG POINT PLAN AT 14,495' (7' ABOVE KFCR), ACTUAL AT 14,595' - FLAT TIME PLAN: 242 HR, ACTUAL 178.75 HR.

>> 5 7/8" TD PLAN AT 21,369', ACTUAL AT 21,500 - FLAT TIME PLAN: 169 HR, ACTUAL 265 HR.

===== GDD COST OPTIMIZATION & WATER CONSUMPTION =====

>> KILL MUD: 0.

>> ACID: 0.

>> FRAC TANK: 0.

===== VACUUM TANKER & EQUIP ON LOCATION=====

>> 6,000-GAL 00 VACUUM TANKERS ON LOCATION FOR HWYH-1337 DRSS# 1003830756.

===== ARAMCO SUPPORT FOR LSTK =====

- RECEIVED 3200 BBLS DIESEL FOR 8 3/8" & 5 7/8" OBM PHASES.

- RECEIVED 2 LOADS ON 1/2/2023, 2 X 1/3/2023, 2 X 1/4/2023, 1 X 1/15/2023, 2 X 1/16/2023, 2 X 1/18/2023, 1 X 1/19/2023, 1 X 2/2/2023, 1 X 2/6/2023, 1 X 2/10/2023, 2 X 2/17/2023.

===== FISH LEFT IN HOLE =====

>> TOTAL LENGTH OF FISH: 1766'. TOP OF FISH: 14984'.

>> LEFT IN HOLE: 40 X 4 1/2" 15.2#, TN-BLUE TBG JTS + 35 FT CUT OFF JOINT 4 1/2" 15.2#, TN-BLUE TBG + 3 X PACKERSPLUS ROCKSEAL PACKERS W/ PUP JTS + 1 X PACKERSPLUS FRACPORTS W/ PUP JTS + 1 X HYDRAULIC OH ANCHOR + 1 X HYDRAULIC DIFFUSOR SLEEVE (SIH)+ 1 X CROSSOVER: 4-1/2" 15.2# TENARIS BLUE BOX X 4-1/2" 15.1# VTHC PIN + 1 X CROSSOVER: 4-1/2" 15.1# VTHC BOX X 4-1/2" 15.2# TENARIS BLUE PIN + UPPER TCS P.J + TITANIUM XV TOE CIRCULATING SUB + DUAL VALVE FLOAT SHOE.

===== >> NEXT WELL: HWYH-1318, 90 % PROGRESS AS PER WELL SITE ENG. UPDATE ON 2/8/2023.

Remarks

Lateral	Survey MD		Angle	Azimuth	CLength		TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight <b>86</b>	Funnel Vis. <b>77</b> SEC	Filtrate(WL) <b>2.8</b> HTHP	Filtrate (WL) API	PV <b>33</b>	YP <b>12</b>	Electrical Stability <b>505</b> Volts	3/6 RPM <b>6 / 7</b>	Gels Sec/Min <b>7 / 10</b>	PH	CA PPM		CL PPM	
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>18</b>	Oil Vol. % <b>62</b>	Solids Vol. % <b>20</b>	Sand Vol. % <b>0.1</b>	% LGS <b>5.5</b>	MBT	Mud type <b>RELIANT</b>	Water Well # <b>HWYH-811, HWYH-3521</b>			
	Weight <b>86</b>	Funnel Vis. <b>76</b> SEC	Filtrate(WL) <b>2.8</b> HTHP	Filtrate (WL) API	PV <b>33</b>	YP <b>12</b>	Electrical Stability <b>500</b> Volts	3/6 RPM <b>6 / 7</b>	Gels Sec/Min <b>7 / 10</b>	PH	CA PPM		CL PPM	
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>18</b>	Oil Vol. % <b>62</b>	Solids Vol. % <b>20</b>	Sand Vol. % <b>0.1</b>	% LGS <b>5.5</b>	MBT	Mud type <b>RELIANT</b>	Water Well # <b>HWYH-811, HWYH-3521</b>			
MUD TREATMENT	BARITE	SUREMUL	VG-PL	HPHT-FLC	CAOH2	CCT-3000D	11(3300L) 1(55GL)	4(50LB) 4(50LB)	20(25KG) 2(55GL)					
BIT DATA	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
DRILL STRING	BOP Test <b>02/22/2023</b>	BOP Drills <b>WEEKLY</b>		Wind	Sea	Weather	DSLTA	Safety Meeting <b>TOURLY</b>						
Miscellaneous	Real-Time Data Quality	Sensors Quality	78%	Data Frequency	94%	Real-Time Hrs	11.47/24 hrs							

Personnel and Services Information	COMPANY	RIG	SDM	RIG	SMI	RAC	TK3	RIG	ARM	SCM	TK3	ARM	Total <b>87</b>
	CATEGORY	CTR G	DPDS	RIG	DFMS	WMFE	OTHR	OTHR	OTHR	PCS	WSC	WSC	
	NO. OF PERSONS	13	6	40	2	2	2	13	1	5	2	1	
	OPERATING HRS.	0	0	24	12	12	12	12	12	6	24	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers	<b>AMBULANCE</b>											
BULK	Drill Wtr.-BBLS <b>1000</b>	Pot Wtr.- BBLS		Fuel- BBLS <b>432</b>	Barite- SX <b>350</b>		Bentonite - SX <b>88</b>	Cement G- SX <b>1200</b>					
REPAIR ASAP	Instrumentation	Other											Reporter
	Computer, Communication & V-Sat Issues												

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D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY</b> 02/27/2023	Well No (Type) : <b>HWYH-1263</b> <b>(MK-1 S-SHAPE WELL</b> <b>ACROSS KHUFF-C</b> <b>RESERVOIR.)</b>	Rig <b>ADC-66L</b>	Foreman(s) <b>ELDAFRAWY, MOHAMED IBRAHIM/</b> <b>ALZAYER, MOHAMMED AHMED/</b> <b>ALHAJJAJ, FERAS MONEEF/</b> <b>ZAHRANI, NAWAF MOHAMMED</b>
Charge <b>(66- 23053-</b> <b>#:</b> <b>1263)</b>	Wellbores: (0) HWYH_1263_0	Engineer Superintendent <b>THURAYA</b> <b>8821677712543</b> <b>577-3975</b>	RIG FORMAN VSAT <b>RIG FORMAN VSAT</b> <b>OTHER VSAT</b> <b>CONTRACTOR/CLERK VSAT</b> <b>577-3597</b> <b>577-9352</b>
Days Since Spud/Comm (Date) <b>36.6</b> (01/21/2023@1500)	Formation tops		

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>13651</b>	<b>DRILL 8-3/8" HOLE TO 13,651 (10' TVD INSIDE KFBC), CHC, WIPER TRIP, POH.</b>	<b>RUN 7" LINER.</b>	<b>192.8 KM FROM DMG.</b>	<b>36.6</b> (01/21/2023@1500)	<b>SDDM 13122 46 FT SHALLOW.</b> <b>BSRD 13159</b> <b>KHFF 13452 16 FT SHALLOW</b> <b>KFAC 13489 11 FT DEEP</b> <b>KHFA 13536 18 FT DEEP.</b> <b>JILH 10950 80' DEEPER</b> <b>BJDM 11350</b> <b>MDJR 11652 -</b> <b>SUDR 12641 -</b>
Prev. Depth <b>13295</b>	Liner Size	TOL	MD	TVD	Last Csg Size <b>9 5/8</b> MD <b>1142211380</b> TVD <b>356</b> Footage Circ % <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
<b>06.0</b>	<b>0500 - 1100</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>DMR</b>	<b>MMOT</b>	<b>SDM</b>	<b>13295</b>	<b>13651</b>			<b>DRILL 8 3/8" HOLE F/ 13350 FT TO SECTION TD AT 13651 FT (CONFIRMED BY GOC).</b> - WOB: 15-25 KLBS, RPM (SURFACE/DOWNHOLE): 100-120/270-290, TQ: 6-14 KLB-FT. - FR: 560 GPM, SPP: 4300-4400 PSI, DIFF. PRESSURE: 300-400 PSI. - AVG ROP: 50 FT/HR. - NO GAIN / LOSS. - FOLLOW IWC CONNECTION PRACTICES. - SECTION TD DECLARED BY GOC. <b>LAST SURVEY DETAILS:</b> - MD: 13577', INC: 1.92 DEG, AZI: 309.40 DEG, TVD: 13535.36' - COMPARISON W/ PLAN: 32.75' CT-CT, 0' BELOW, 32.75' RIGHT. <b>PROJECTION AT TD:</b> - MD: 13651', INC: 1.90DEG, AZI: 309.00 DEG, TVD: 13609.32' - MOTOR HOURS: 29.5 - REST OF THE BHA HOURS: 65.75
<b>01.5</b>	<b>1100 - 1230</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>13651</b>	<b>13651</b>			<b>CIRCULATE CLEAN HOLE.</b> - BACK REAM AND REAM DOWN COMPLETE STAND DURING CIRCULATION. - FR: 600 GPM, SPP: 4350 PSI.
<b>00.5</b>	<b>1230 - 1300</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>OTH</b>	<b>NA</b>	<b>RIG</b>	<b>13651</b>	<b>13651</b>			<b>FLOW CHECK - WELL STATIC.</b>
<b>02.5</b>	<b>1300 - 1530</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>ST</b>	<b>STDP</b>	<b>RIG</b>	<b>13651</b>	<b>13651</b>	<b>13651</b>	<b>11416</b>	<b>POOH 8-3/8" PERFORMANCE BHA F/ 13651 FT TO 11416 FT (9-5/8" CSG SHOE).</b> - CONTROL SPEED: 20-30 FT/MIN. - OPEN HOLE IN GOOD CONDITION. - MONITOR WELL THROUGH TRIP TANK.
<b>00.2</b>	<b>1530 - 1545</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>OTH</b>	<b>NA</b>	<b>RIG</b>	<b>13651</b>	<b>13651</b>			<b>FLOW CHECK - WELL STATIC.</b>
<b>02.0</b>	<b>1545 - 1745</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>ST</b>	<b>STDP</b>	<b>RIG</b>	<b>13651</b>	<b>13651</b>	<b>11416</b>	<b>13465</b>	<b>RIH 8-3/8" PERFORMANCE BHA F/ 11375 FT TO 13465 FT.</b> - MONITOR WELL THROUGH TRIP TANK. - OH IN GOOD CONDITION. - DRIFT 14 X 5-1/2" DP STANDS W/ 3.50" DRIFT DURING RIH (REQUIRED FOR LINER JOB).
<b>00.5</b>	<b>1745 - 1815</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>RW</b>	<b>BIT</b>	<b>SBT</b>	<b>13651</b>	<b>13651</b>	<b>13465</b>	<b>13651</b>	<b>WASH DOWN LAST TWO STANDS F/ 13465 FT TO 13651 FT.</b> - NO FILL ON BOTTOM.
<b>01.5</b>	<b>1815 - 1945</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>13651</b>	<b>13651</b>			<b>CIRCULATE CLEAN HOLE.</b> - BACK REAM AND REAM DOWN COMPLETE STAND DURING CIRCULATION. - FR: 600 GPM, SPP: 4350 PSI.
<b>00.5</b>	<b>1945 - 2015</b>	<b>0</b>	<b>8 3/8</b>	<b>N</b>	<b>DRLG</b>	<b>OTH</b>	<b>NA</b>	<b>RIG</b>	<b>13651</b>	<b>13651</b>			<b>FLOW CHECK - WELL STATIC.</b>

02.5	2015 - 2245 0		8 3/8	N	DRLG	TO	STDP	RIG	13651	13651	13651	11416	POOH 8-3/8" PERFORMANCE BHA F/ 13651 FT TO 11416 FT (9-5/8" CSG SHOE). - CONTROL SPEED: 20-30 FT/MIN. - OPEN HOLE IN GOOD CONDITION. - MONITOR WELL THROUGH TRIP TANK.
00.2	2245 - 2300 0		8 3/8	N	DRLG	OTH	NA	RIG	13651	13651			FLOW CHECK - WELL STATIC, PUMP SLUG
00.5	2300 - 2330 0		8 3/8	N	DRLG	RR	TDS	RIG	13651	13651			SERVICE TDS.
01.8	2330 - 0115 0		8 3/8	N	DRLG	TO	STDP	RIG	13651	13651	11416	8450	POOH 8-3/8" PERFORMANCE BHA F/ 11416 FT TO 8450 FT. - MONITOR WELL THROUGH TRIP TANK.
00.2	0115 - 0130 0		8 3/8	N	DRLG	SDR1	NA	RIG	13651	13651			PERFORM TRIP DRILL - OBSERVE GOOD RESPONSE FROM THE CREW.
03.5	0130 - 0500 0		8 3/8	N	DRLG	TO	STDP	RIG	13651	13651	8450	912	POOH 8-3/8" PERFORMANCE BHA F/ 8450 FT TO 912 FT (TOP OF BHA). - MONITOR WELL THROUGH TRIP TANK.

HWYH-1263, PLANNED TO BE DRILLED AS AN S-SHAPE WELL ACROSS KHUFF-C RESERVOIR, THE COMPLETION WILL BE 12.5K OR 15K MSF. A SEPARATE SUPPLEMENT WILL BE ISSUED TO COVER THE COMPLETION DETAILS.

#### =====SAFETY MEETING=====

>> ARAMCO GDD SAFETY TOPICS (ELECTRICAL SAFETY)

>> DISCUSSED LIFTING GEARS / COLOR CODE

>> ALERT # 17-23-USE OF NON-CERTIFIED LIFTING POINTS RESULTED PROPERTY DAMAGE.

>> CONTINUE DISCUSSED TO MAINTAIN GOOD HOUSEKEEPING AT RIG SITE.

>> 2ND RSI 2022: TOTAL FINDING 45 ACTION ITEMS - CLOSED ITEMS: 45- OPEN ITEMS: 00

>> WCI 2022: TOTAL FINDING 08 ACTION ITEMS - CLOSED ITEMS: 08 - OPEN ITEMS: 00

>> INSPECTIONS: >> DAILY FUNCTION TEST OF GAS DETECTIONS DEVICES >> SAFETY HARNESS

>> DRILLS: 1 X H2S DRILL >> 1 X BOP DRILL

>> STOP CARDS: TOTAL STOP CARDS 10 IN SLS

>> STOP TOURS: 06

#### =====ARAMCO PERSONAL=====

>> FAHAD ALSHAMMARI MATERIAL EXPEDITOR # 8343518 ON LOCATION 2/8/2023.

>> ABDULAZIZ ALOTAIBI #796606 - HSE ON LOCATION 02/15/2023.

>> OSAMA M. NAQI #818690 - MATERIAL CLERK TRAINEE ON LOCATION 02/16/2023

#### =====FUEL=====

ON-HAND 214 BBLS --RECEIVED 0 BBLS-- USED 95 BBLS

#### =====DIRECTION DATA=====

\*\* LAST SURVEY DETAILS:

- MD: 13577', INC: 1.92 DEG, AZI: 309.40 DEG, TVD: 13535.36'

- COMPARISON W/ PLAN: 32.75' CT-CT, 0' BELOW, 32.75' RIGHT.

#### =====LSTK CHARGE BACK ITEMS=====

NONE @RT

#### =====VACUUM TANKER=====

NONE @RT

#### =====GDD COST OPTIMIZATION=====

NONE @ RT

#### =====NEXT WELL=====

HWYH- 1262 100% READY PAD WELL

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD		N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
0	13521	1.93	309.68	94	13480.53		-302.19		-435.37		-302.19	0.22
0	13427	1.72	309.96	95	13386.58		-304.11		-433.07		-304.11	0.03
0	13332	1.69	310.18	94	13291.62		-305.93		-430.91		-305.93	0.29
0	13238	1.46	304.87	95	13197.66		-307.51		-428.87		-307.51	0.14

MUD DATA	Weight <b>110</b> PCF	Funnel Vis. <b>57</b> SEC	Filtrate(WL) <b>2.4</b> HTHP	Filtrate (WL) API	PV <b>36</b>	YP <b>15</b>	Electrical Stability <b>650</b> Volts	3/6 RPM <b>6 / 7</b>	Gels Sec/Min <b>9 / 12</b>	PH <b>0</b>	CA PPM <b>110</b>	CL PPM <b>0</b>
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol.% <b>15</b>	Oil Vol. % <b>57</b>	Solids Vol. % <b>28</b>	Sand Vol. % <b>15</b>	% LGS <b>0</b>	MBT <b>21</b>	Mud type <b>RELIANT</b>	Water Well # <b>HWYH-3534</b>	
	Weight <b>110</b> PCF	Funnel Vis. <b>56</b> SEC	Filtrate(WL) <b>2.4</b> HTHP	Filtrate (WL) API	PV <b>36</b>	YP <b>14</b>	Electrical Stability <b>630</b> Volts	3/6 RPM <b>6 / 7</b>	Gels Sec/Min <b>9 / 12</b>	PH <b>0</b>	CA PPM <b>110</b>	CL PPM <b>0</b>
	FL Temp <b>145</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol.% <b>15</b>	Oil Vol. % <b>57</b>	Solids Vol. % <b>28</b>	Sand Vol. % <b>15</b>	% LGS <b>0</b>	MBT <b>21</b>	Mud type <b>RELIANT</b>	Water Well # <b>HWYH-3534</b>	
MUD TREATMENT												
	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out	

BIT DATA	7 M222 8.375 SMT JV0721 MS616C / 6 X 13 / 0.778 11422 12125																						
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP							
					3	8	RO	S	X	0													
	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out												
	8	M222	8.375	SMT	JV0719	MS616C / 6 X 13 / 0.778	12125	13651															
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP							
												4400	560	231	344.08	492.12	229						
					30	100																	
	Float	Y																					
	BHA Hrs:																						
DRILL STRING	String Wt.	Pick Up	Slack Off		Rot. Torque		Jars:		/	Shock		/	Mud		/								
	Float	Y					Serial #/Hrs		/	Sub:		/	Motor:		/								
	BHA Hrs:	65																					
	String Wt.	Pick Up	Slack Off		Rot. Torque		Jars:		/	Shock		/	Mud		/								
	305	314	293		8000		Serial #/Hrs		/	Sub:		/	Motor:		/								
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #							
	1	Bit			SMT	8.375	0	0	0	0.89	4.5 REG		0			JV0719							
	2	Mud Motor			SDM	7	1	7	5.5	30.88	4-1/2" IF	4.5 REG.				1251475							
	3	Stabilizer			SDM	6.8	1	6.8	2.8	5.42	4-1/2" IF	4-1/2" IF	0			12653							
	4	Saver Sub			SDM	6.9	1	6.9	4.625	1.24	5.5 FH	4-1/2" IF	0			OSS19-00794							
	5	Measurement While Drilling (MWD)			SDM	6.75	1	6.75	5	30.63	5.5" FH	5.5FH	0			E38C-67-1							
	6	Saver Sub			SDM	6.9	1	6.9	4.625	1.37	4-1/2" IF	5.5" FH	0										
	7	Stabilizer			SDM	6.8	1	6.8	2.813	5.66	4-1/2" IF	4-1/2" IF	0			12561							
	8	Float Sub			SDM	6.85	1	6.85	2.81	2.07	4-1/2" IF	4-1/2" IF	0			338512							
	9	Float Sub			SDM	6.85	1	6.85	2.81	1.68	4-1/2" IF	4-1/2" IF	0										
	10	Filter Sub			SDM	6.8	1	6.8	2.81	6.25	4-1/2" IF	4-1/2" IF	0			675-1006							
	11	Crossover			RIG	6.5	1	6.5	2.5	3.65	XT54	4.5IF	0			18-4248-14							
	12	Drillcollar			RIG	6.5	17	6.5	2.815	506.24	4" IF	4" IF	0			TALLY							
	13	Crossover			RIG	6.625	1	6.625	2.875	2.42	XT-54	4" IF				38384-1A							
	14	Hydraulic Jar			SRT	6.5	1	6.5	2.875	31.8	XT54	XT54	0			112756							
	15	Crossover			RIG	6.625	1	6.625	2.875	3.65	4" IF	XT-54				18-4248-12							
	16	Drillcollar			RIG	6.5	17	6.5	2.815	506.24	4" IF	4" IF	0			TALLY							
	17	Crossover			RIG	6.875	1	6.875	2.5	3.63	XT-54	4" IF				333							
	18	Heavy Weight Drillpipe (HWDP)			RIG	5.5	6	5.5	3.25	184.42	XT54	XT54	0			TALLY							
	19	Drillpipe			RIG	5.5	1	5.5	4.67	0	XT54	XT54	0			TALLY							
Miscellaneous	BOP Test		BOP Drills			Wind		Sea		Weather		DSLTA		Safety Meeting									
	02/21/2023		2X PER WEEK +			SEASONAL		N/A		SEASONAL		2 X DAILY + PJSM											
	Real-Time Data Quality				Sensors Quality			86%	Data Frequency			100%	Real-Time Hrs			10.74/24 hrs							
Personnel and Services Information	COMPANY		SCC	SDM	RIG	SMI	SGR	TK3	RIG	ARM	TK3	ARM	SLH	TSC	SCM	Total 98							
	CATEGORY		CTRG	DPDS	RIG	DFMS	MLS	OTHR	OTHR	OTHR	WSC	WSC	LHES	CSR	PCS								
	NO. OF PERSONS		13	2	38	2	3	4	20	3	2	2	2	3	4								
	OPERATING HRS.		0	24	24	24	24	12	12	12	24	24	0	0	0								
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	12	12	10								
	Standby/Tankers <b>AB-8966 -ARAMCO PICKUP</b>																						
Trucks/Boats	ADC- AMBULANCE				ADC-PICK UP				ADC-SUV														
BULK	Drill Wtr.-BBLS		Pot Wtr.- BBLS		Fuel- BBLS		Barite- SX		Bentonite - SX		Cement G- SX												
REPAIR ASAP	Instrumentation				Other								Reporter										
Computer, Communication & V-Sat Issues																							



Date <b>MONDAY</b> 02/27/2023	Well No (Type) : <b>SDGM-1251</b> <b>(K2 S-SHAPE WELL TARGETING UNAYZAH RESERVOIR)</b>	Rig <b>ADC</b> <b>67L</b>	Foreman(s) Engineer Superintendent <b>HOOVER, TERRY LEE/ ALZAHRANI, MOHAMMED UTHMAN/ NASSER, MOHAMMED HASAN/ ZAHRANI, NAWAF MOHAMMED</b>
		THURAYA 0882-167-7712544 577-3957	RIG FORMAN VSAT OTHER VSAT 875-6902 SLB IDS 875-6904 ADC 875-6903 MOH MEDIC OTHER VSAT CONTRACTOR/CLERK VSAT 577-3592

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>7171</b>	<b>DRILL 16" HOLE, CIRCULATE AND INCREASE MUD WEIGHT.</b>	<b>CONTINUE CIRCULATE AND CONDITION MUD, DRILL 16" HOLE TO 10,674 FT (+/-30' INTO BJD).</b>		<b>31.6</b> (01/26/2023 @ 1400)	<b>SHUB</b> 3750 <b>BYDH</b> 4100 <b>MDTM</b> 4790 <b>SULY</b> 5284 <b>HITH</b> 5822 <b>ABAR</b> 6312 <b>ARBB</b> 6346 <b>ABBR</b> 6390 <b>ARBC</b> 6423 <b>ACBR</b> 6501 <b>ARBD</b> 6585 <b>PADS</b> 6671 <b>AD3B</b> 6910 <b>AD3A</b> 6863 <b>AD2A</b> 6697 <b>AD2B</b> 6764

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>6875</b>			<b>18 5/8</b>	<b>44284428</b>				<b>296</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations					
									Start	End	Start	End						
08.0	0500 - 1300	0	16	N	DRLG	D	RSS	SDM	6875	6900			DRILLED 16" HOLE SECTION WITH RSS BHA FROM 6,870 FT TO 7,054 FT. - WOB: 10 - 25 KLBS , RPM: 140-160, FLOW : 900 GPM, PRESS: 2,550 PSI, TQ: 7.0-18.0 KLBS.FT. - PUMPED HIGH VIS EVERY STAND. - OBSERVED STICK-SLIP & SHOCKS, INTERMITTENT ERRATIC TQ , ADJUSTED DRILLING PARAMETERS TO MITIGATE. - PU OF BOTTOM SEVERAL TIMES TO RELEASE TQ FLUCTUATIONS. - FOLLOWED IDS CONNECTION PRACTICES. - RECORD THE B/O TQ EVERY CONNECTION WITH 40 RPM.					
00.5	1300 - 1330	0	16	N	DRLG	RR	TDS	RIG	6900	6900			PERFORM GENERAL TDS RIG SERVICE.					
10.0	1330 - 2330	0	16	N	DRLG	D	RSS	SDM	6900	7171			DRILLED 16" HOLE SECTION WITH RSS BHA FROM 7,054 FT TO 7,171 FT. - WOB: 10 - 25 KLBS , RPM: 140-160, FLOW : 900 GPM, PRESS: 2,550 PSI, TQ: 7.0-18.0 KLBS.FT. - PUMPED HIGH VIS EVERY STAND. - OBSERVED STICK-SLIP & SHOCKS, INTERMITTENT ERRATIC TQ , ADJUSTED DRILLING PARAMETERS TO MITIGATE. - PU OF BOTTOM SEVERAL TIMES TO RELEASE TQ FLUCTUATIONS. - FOLLOWED IDS CONNECTION PRACTICES. - RECORD THE B/O TQ EVERY CONNECTION WITH 40 RPM.					
05.5	2330 - 0500	0	16	N	DRLG	CIRC	MPMP	RIG	7171	7171			** LAST SURVEY: - MD: 7,132 FT, INC: 18.73 DEG, AZI: 224.06 DEG, TVD: 7017.13 FT, DLS: 0.90 DEG. - 0.83 FT ABOVE, 2.4 FT RIGHT, 2.54 FT CT-CT. WHILE DRILLING @ 7,171 FT HAD LEL ALARM WITH 41% @ SHALE SHAKER SENSOR. SECURED THE WELL & CREW RESPONDED AT MUSTER POINT. MONITORED SIDPP & SICP. ZERO PRESSURES. PRECAUTIONARY CIRCULATE BOTTOM UP THRU CHOKES MANIFOLD AND RAISED UP MUD WT & ADJUST MWT IN -OUT TILL 88 PCF... ONGOING AT RT.					

SDGM-1251 PLANNED TO BE DRILLED AS AN S-SHAPE MP WELL TARGETING UNAYZAH RESERVOIR IN THE MIDDLE PART OF SHEDGUM FIELD AND WILL BE COMPLETED WITH 15K CEMENTED LINER. THE WELL IS PLANNED AS K-2 DESIGN FOR FUTURE SIDETRACK REQUIREMENT ACROSS KHUFF OR PRE-KHUFF RESERVOIRS.

=====ARAMCO PERSONNEL/ EQUIP=====

>> AHMED AL-ALI #8334174 ARAMCO MATERIAL EXPEDITER ON LOCATION 02-15-2023.  
 >> ABDULLAH ALDOSSARY #777181 ARAMCO HSE TECH OFF LOCATION 02/22/2023.  
 >> HUSSAIN ALI ALSAQER #818673 ARAMCO MATERIAL EXPEDITER ON LOCATION 02-15-2023.

=====IDS PERSONNEL=====

>> WCS SUPERVISORS: DAY / VIJAY-- NIGHT / ALONSO.

=====HSE=====

PRE TOUR-MEETING:

- GDD TOPIC " ELECTRICAL SAFETY".
- ARAMCO ALERT FOR LIFTING FROM IMPROPER LIFTING POINTS.
- ARAMCO ALERT OF DOG BITE.
- ARAMCO ALERT FOR USING THE SJE WRONGLY.
- DISCUSSED ABOUT STOP TOUR OBSERVATIONS.

>> INSPECTIONS: CONTINUE SAFETY HARNESS INSPECTION.

>> DRILLS: 2 X FIRE PUMP DRILL - 1 X LOST & SEARCH DRILL.

>> NEAR MISS:

=====AUDITS & INSPECTIONS=====

>>1ST QSI 2022: TOTAL FINDINGS 30, OPEN 0.  
 >>1ST RSI 2022: TOTAL FINDINGS 26, OPEN 0.  
 >> 2ND QSI 2022: TOTAL FINDINGS 22, OPEN 0.

>> HAZCOM & CEHA (1ST QTR-2022): TOTAL 0, OPEN 0.

=====COMMUNICATION WITH NEAR BY FACILITY=====

- NO FACILITY NEAR BY RIG LOCATION.

=====GDD COST OPTIMIZATION=====

>> KILL MUD: NOT PROVIDED BY SAUDI ARAMCO, LSTK RIG.  
 >> FRAC TANK: NOT PROVIDED BY SAUDI ARAMCO, LSTK RIG.  
 >> ACID FOR STUCK PIPE: NOT PROVIDED BY ARAMCO, LSTK RIG.  
 >> MUD DIESEL:

=====VACUUM TANKERS=====

>> VACUUM TANKERS (TUWAIRESH): DRSS (1003829876) - TAMIMI: DRSS (1003846519)  
 >>> TUWAIRESH - DOOR/PLATE NUMBER: 3752/1017 - 2564/1041 - 7428/1032 - 8832/1038  
 >>> TAMIMI: 4834 - 4672 - 4391 - 2307

=====DIESEL CONSUMPTION=====

>> DAILY DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP): 94 BBLS --- CUM. DIESEL CONSUMPTION FOR WELL = 2,108 BB.

=====WATER WELLS=====

WATER WELLS: SDGM-995 - 2.179 KM / SDGM-3502 - 1.983 KM.

SENSOR DISTANCE FROM BIT: GR @ 35.01 --- D&I @ 37.17

=====NEXT WELL=====

SDGM-1267 - COMPLETION STATUS 60%. WATER WELL: SDGM-3504 & UTMN-3531.

Remarks

Lateral	Survey MD		Angle	Azimuth	CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
0	7132		18.73	224.06	94	7017.28	-516.89		-528.84		-516.89	0.9
0	7038		18.83	221.46	95	6928.28	-494.67		-508.30		-494.67	0.18
0	6943		18.92	221.92	94	6838.39	-471.72		-487.86		-471.72	0.19
0	6849		18.92	222.48	95	6749.47	-449.14		-467.39		-449.14	0.45

MUD DATA	Weight 86 PCF	Funnel Vis. 45 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV <b>14</b>	YP <b>24</b>	Electrical Stability 0 Volts	3/6 RPM <b>12 / 13</b>	Gels Sec/Min <b>12 / 21</b>	PH <b>10</b>	CA PPM <b>400</b>	CL PPM <b>23000</b>
	FL Temp 132	Cake HTHP 0	Cake API 1	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type <b>WBM</b>	Water Well # <b>SDGM-995, SDGM-3502</b>	
	Weight 86 PCF	Funnel Vis. 48 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV <b>14</b>	YP <b>25</b>	Electrical Stability 0 Volts	3/6 RPM <b>13 / 14</b>	Gels Sec/Min <b>12 / 22</b>	PH <b>9.8</b>	CA PPM <b>600</b>	CL PPM <b>25000</b>
	FL Temp 0	Cake HTHP 0	Cake API 1	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type <b>WBM</b>	Water Well # <b>SDGM-995, SDGM-3502</b>	

MUD TREATMENT

BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out					
	7	M223	16	SMT	QF7561	MSI716C / 4 X 14 / 6 X 13 / 1.379	5458	7171								
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
		20	150				2470	900	210	97.71	120.05	237				

DRILL STRING	Float	Y														
	BHA Hrs:	148														
	String Wt.	Pick Up	Slack Off	Rot. Torque				Jars:			/	148		Shock Sub:	/	
	225	265	215	15000				Serial #/Hrs			/			Mud Motor:	/	
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit			SMT	16	1	16	3	1.72	7 5/8 REG		0			QF7561
	2	RSS			SDM	15.75	1	15.75	5.125	14.24	6 5/8" REG	7 5/8" REG				93756
	3	Sub			TK3	9.5	1	9.5	3.5	8.35	6 5/8" REG	6 5/8" REG	0			C LINK
	4	Saver Sub			SDM	9.375	1	9.375	4	1.08	7 5/8 REG	6 5/8" REG	0			585291
	5	Measurement While Drilling (MWD)			SDM	9.125	1	9.125	5.9	25.08	7 5/8 REG	7 5/8 REG	0			N000287
	6	Saver Sub			SDM	9.125	1	9.125	2.88	1.56	7 5/8 REG	7 5/8 REG				43871
	7	Stabilizer			SDM	15.75	1	15.75	3	7.87	7 5/8 REG	7 5/8 REG				1832
	8	Non Magnetic Drill Collar ( NMDC )			SDM	9.625	1	9.625	3	21.15	7 5/8 REG	7 5/8 REG				1088
	9	Float Sub			SDM	9.563	1	9.563	3.75	2.25	7 5/8 REG	7 5/8 REG	0			338646
	10	Filter Sub			SDM	9.5	1	9.5	4	7.57	7 5/8 REG	7 5/8 REG				9508009
	11	PBL (Multiple Activation By Pass)			MIW	9.25	1	9.25	3	14.21	7 5/8 REG	7 5/8 REG	0			B2007990MNB
	12	Crossover			RIG	9.38	1	9.38	3	4	6 5/8"	7 5/8 REG				
	13	Drillcollar			RIG	8.5	1	8.5	2.875	29.39	6 5/8 REG	6 5/8 REG	0			
	14	Hydraulic Jar			SRT	8.5	1	8.5	3	32.85	6 5/8 REG	6 5/8 REG	0			56144J
	15	Drillcollar			RIG	8.5	1	8.5	2.875	30.6	6 5/8 REG	6 5/8 REG				
	16	Crossover			RIG	8.5	1	8.5	3	3	XT-54	6 5/8 REG	0			
	17	Heavy Weight Drillpipe (HWDP)			RIG	5.5	30	5.5	3.3	928.89	XT-54	XT-54				
	18	Drillpipe			RIG	5.5	1	5.5	3	1	XT-54	XT-54	0			

Miscellaneous	BOP Test	BOP Drills	Wind	Sea	Weather	Safety Meeting
	02/13/2023	ONCE PER WEEK/CREW	SEASONAL	N/A	SEASONAL	DSLTA 2 PER DAY

Real-Time Data Quality		Sensors Quality		97%	Data Frequency		100%	Real-Time Hrs	10.74/24 hrs
COMPANY	TSC	SUW	RIG	SMI	SDM	TK3	RIG	ARM	TK3 ARM

Personnel and Services Information	Category	CSV	CTR G	RIG	DFMS	LWD	OTHR	OTHR	WSC	WSC	Total 82
	NO. OF PERSONS	2	14	40	2	2	5	11	2	2	
	OPERATING HRS.	0	0	24	24	24	12	12	12	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	

Trucks/Boats	Standby/Tankers AB-6321	4X4 AMBULANCE	4X4 ADC CAR	BUS						
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BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	384	Barite- SX	166	Bentonite - SX	65	Cement G- SX	4000
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REPAIR ASAP	Instrumentation	Other	Computer, Communication & V-Sat Issues	Reporter
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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>FDHL-169 (LFDL TRI-LATERAL OIL PRODUCER )</b> Charge #: <b>(66- 22018- 0169)</b> Wellbores: (2) FDHL_169_2	Rig <b>ADC-68L</b>	Foreman(s) <b>GADALLA, MOSTAFA ELSAYED/ KHALAF, EMAD AHMED/ OTAIBI, AYEDH MUHAMMAD/ HARBI, MAGBEL MENAWER</b>
		THURAYA	RIG FORMAN VSAT <b>+8821677712630 3788071/3788073 3788072</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>17846</b>	<b>RIH SLB LOWER SMART COMPLETION ON 4-1/2" VAM TOP TBG, CYCLE ICVS, SET PACKERS, 1/2" VAM TOP TBG. POOH &amp; L/D RUNNUNG TOOL.</b>		<b>DISTANCE TO DHARAHAN (118.53 KM), SURFACE LOCATION N: 2,986,791.00 M E: 322,872.00 (ESTIMATED)</b>	<b>130.6</b> (10/19/2022@1300)	<b>LFDR 11554 9781 FT TVD (1 FT SHALLOW AS PER GOC)</b>
<b>Prev. Depth</b> <b>17846</b>	<b>Liner Size</b> <b>7</b>	<b>TOL</b> <b>10987</b>	<b>MD</b> <b>13835</b>	<b>TVD</b> <b>9807</b>	<b>Last Csg Size</b> <b>9 5/8</b>
				<b>MD</b> <b>11509</b>	<b>TVD</b> <b>9777</b>
				<b>Footage</b> <b>0</b>	<b>Circ %</b> <b>0</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		OOS ID	Summary of Operations
									Start	End	Start	End		
<b>08.2</b>	<b>0500 - 1315</b>	<b>2</b>		<b>C</b>	<b>COMP</b>	<b>HT</b>	<b>PKR</b>	<b>SCP</b>	<b>17846</b>	<b>17846</b>			<b>6651</b>	TERMINATED CONTROL LINE AT ICV#3 AND PRESSURE TEST TO 9000 PSI FOR 15 MIN OK. FEED CONTROL LINE THROUGH PAKER #3 AND TERMINATE CONTROL LINE AND PRESSURE TEST TO 9000 PSI FOR 15 MIN, OK. FEED CONTROL LINE ICV#1,2 THRUH PACKER#3 AND PRESSURE TEST TO 9000 PSI FOR 15 MIN. SPLICED BETWEEN PACKER #3 AND LOWER HLWM FOR ICV#1,2,3. TERMINATED ABOVE RUNNING TOOL FOR ICV#1,2,3. PRESSURE TEST ICV#1,2,3 TO 9000 PSI FOR 15 MIN. FULL CYCLE ICV#1,2,3 TO RUN IN HOLE POSITION. - PUMP 70 PCF BRINE INTO ANNULUS AT 2-2.5 BPM THRU TRIP TANK, WELL IN TOTAL LOSSES.
<b>04.0</b>	<b>1315 - 1715</b>	<b>2</b>		<b>C</b>	<b>COMP</b>	<b>RPCS</b>	<b>SMCO2</b>	<b>RIG</b>	<b>17846</b>	<b>17846</b>	<b>4257</b>	<b>6315</b>	<b>6651</b>	RUN LOWER COMPLETION (51X 4-1/2" 12.6# VT-HC TBG JTS) FROM 4257 TO 6315 FT. - PUMP 70 PCF BRINE INTO ANNULUS AT 2-2.5 BPM THRU TRIP TANK, WELL IN TOTAL LOSSES.
<b>03.0</b>	<b>1715 - 2015</b>	<b>2</b>		<b>C</b>	<b>COMP</b>	<b>DTU</b>	<b>DRFT</b>	<b>NSL</b>	<b>17846</b>	<b>17846</b>			<b>6651</b>	R/U SLICK LINE PCE. P/T SL EQUIPMENT TO 300/ 1,000 PSI FOR 10 MIN; OK. - DRIFT COMPLETION ASSEMBLY TO 2020 FT W/ 3.833" DRIFT,- R/D SLICKLINE EQUIPMENT. - PUMP 70 PCF BRINE INTO ANNULUS AT 2 BPM THRU TRIP TANK, WELL IN TOTAL LOSSES.
<b>04.0</b>	<b>2015 - 0015</b>	<b>2</b>		<b>C</b>	<b>COMP</b>	<b>RPCS</b>	<b>SMCO2</b>	<b>RIG</b>	<b>17846</b>	<b>17846</b>	<b>6315</b>	<b>8411</b>	<b>6651</b>	RUN LOWER COMPLETION (102X 4-1/2" 12.6# VT-HC TBG JTS) FROM 6315 TO 8411 FT. - PUMP 70 PCF BRINE INTO ANNULUS AT 2-2.5 BPM THRU TRIP TANK, WELL IN TOTAL LOSSES.
<b>03.0</b>	<b>0015 - 0315</b>	<b>2</b>		<b>C</b>	<b>COMP</b>	<b>DTU</b>	<b>DRFT</b>	<b>NSL</b>	<b>17846</b>	<b>17846</b>			<b>6651</b>	R/U SLICK LINE PCE. P/T SL EQUIPMENT TO 300/ 1,000 PSI FOR 10 MIN; OK. - DRIFT COMPLETION ASSEMBLY TO 2100 FT W/ 3.833" DRIFT,- R/D SLICKLINE EQUIPMENT. - PUMP 70 PCF BRINE INTO ANNULUS AT 2 BPM THRU TRIP TANK, WELL IN TOTAL LOSSES.
<b>00.5</b>	<b>0315 - 0345</b>	<b>2</b>		<b>C</b>	<b>COMP</b>	<b>RPCS</b>	<b>SMCO2</b>	<b>RIG</b>	<b>17846</b>	<b>17846</b>	<b>8411</b>	<b>8740</b>	<b>6651</b>	RUN LOWER COMPLETION (112X 4-1/2" 12.6# VT-HC TBG JTS) FROM 8411 TO 8740 FT. - PUMP 70 PCF BRINE INTO ANNULUS AT 2-2.5 BPM THRU TRIP TANK, WELL IN TOTAL LOSSES.
<b>01.0</b>	<b>0345 - 0445</b>	<b>2</b>		<b>C</b>	<b>COMP</b>	<b>WO</b>	<b>NA</b>	<b>RIG</b>	<b>17846</b>	<b>17846</b>			<b>6651</b>	WAIT ON WEATHER, HIGH WIND SPEED 55-60 KM/HR AND SAND STORM. - PUMP 70 PCF BRINE INTO ANNULUS AT 2 BPM THRU TRIP TANK, WELL IN TOTAL LOSSES.
<b>00.2</b>	<b>0445 - 0500</b>	<b>2</b>		<b>C</b>	<b>COMP</b>	<b>RPCS</b>	<b>SMCO2</b>	<b>RIG</b>	<b>17846</b>	<b>17846</b>	<b>8740</b>	<b>8905</b>	<b>6651</b>	RUN LOWER COMPLETION (114X 4-1/2" 12.6# VT-HC TBG JTS) FROM 8740 TO 8905 FT. - PUMP 70 PCF BRINE INTO ANNULUS AT 2-2.5 BPM THRU TRIP TANK, WELL IN TOTAL LOSSES.

#### Out of Scope Details

From	Hrs	Cum. Hrs	DOOS ID	Type	Category	Out of Scope Summary
<b>25 Feb 0000</b>	<b>24</b>	<b>69.5</b>	<b>6651</b>	<b>OOS</b>	<b>COM</b>	<b>RUN SMART COMPLETION, ESP AND FUNCTION TEST.</b>

**FDHL-169 IS PLANNED TO BE DRILLED AS A MULTILATERAL OIL PRODUCER TARGETING LFDL RESERVOIR. THE WELL WILL BE COMPLETED WITH PDHMS, HEWM, ICV, ESP AND Y-TOOL.**

=====ERP=====

- GOR 740 SCF/STB (LFDL), LFDL H2S: 5.48 % MOL.

=====WELL DATA=====

- 36" CSG PLAN/ACTUAL: 120'/119'.

- 30" CSG PLAN/ACTUAL: 300'/290'.

- 24" CSG PLAN/ACTUAL: 754'/780'.

- 18-5/8" CSG PLAN/ACTUAL: 4085'/4,015, (70 FT TVD INTO LAMS), DVT @600'.

- 13-3/8" CSG PLAN/ACTUAL: 6435'/6467' (54 FT TVD INTO BUWAIB), DVT @3838'.

- 9-5/8" CSG PLAN/ACTUAL: 11459'/11509' (+/-6.5 FT TVD ABOVE LFDL), DVT @ 6232'.

- 7" LINER PLAN/ACTUAL: 13900'/13,835 MD (2281' MD INTO LFDL.), TOL @ 10,987'.

- 6-1/8" L0 TD PLAN/ACTUAL: 19,197'/19,197 MD.

- 6-1/8" L1 TD PLAN/ACTUAL: 17,706'/17,777 MD.

- 6-1/8" L2 TD PLAN/ACTUAL: 17,657'/17846 MD.

===== ARAMCO PERSONNEL ON LOC. =====

- ARAMCO DOE&CD AHMAD S HASHMI AL AMEER ID#768386 ON LOC SINCE 2/19/23.

- ARAMCO PDP MUTEB AL OTAIBI ID# 812918 ON LOC SINCE 2/19/23.

- ARAMCO MATERIAL EXPEDITOR ABDULAZIZ H. ALHAMAD #816259 ON LOC SINCE 2/22/23

=====SAFETY/DRILLS=====

DRILLS:

FLARE IGNITION SYSTEM: LAST TEST ON 2/24/2023.

===== SIMOPS PLANNING =====

- SINO-7N, WELL FDHL-112 LOCATED WITHIN ADC-68L, WELL FDHL-169 AT 100 PPM (1,563 M) & ADC-68L WELL FDHL-169 LOCATED WITHIN 30 PPM FOR SINO-7N WELL FDHL-112.

- SIMOPS FOR RIG IN PLACE: SINOPEC H2S SENSORS INSTALLED & TESTED FROM 01-13-2023, RELEASED ON 02/23/2023 AT 09:00 AM.

=====DIESEL CONSUMPTION=====

- DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP) = (DAILY: 26.03 BBL / CUMULATIVE FOR CURRENT WELL: 6,182.09 BBL).

=====SERVICE COMPANY =====

- SLB SMART COMPLETION ON LOCATION SINCE 2/18/2023

- BAKER ESP COMPLETION ON LOCATION SINCE 2-26/2023

- SLB CEMENT SER ON LICITION SINCE 2-26/2023

- NESR SLICK LINE ON LOCATION SINCE 2-23-2023.

=====NEXT WELL =====

- FDHL-162 100% READY. (LAST UPDATE 12/05/2022).

- KRSN-180 (W3 REQUEST WAS ISSUED).

- KRSN-163.

Remarks

Lateral	Survey MD		Angle		Azimuth		CLength		TVD		N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec		DLS					
MUD DATA	Weight <b>70</b>	PCF <b>33</b>	Funnel Vis. <b>SEC</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>1</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0/0</b>	Gels Sec/Min <b>0/0</b>	PH <b>7</b>	CA PPM <b>0</b>	CL PPM <b>0</b>											
	FL Temp <b>90</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>93</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>7</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>NACL</b>	Water Well # <b>FDHL-810</b>													
	Weight <b>70</b>	PCF <b>33</b>	Funnel Vis. <b>SEC</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>1</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0/0</b>	Gels Sec/Min <b>0/0</b>	PH <b>7</b>	CA PPM <b>0</b>	CL PPM <b>0</b>											
	FL Temp <b>90</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>93</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>7</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>NACL</b>	Water Well # <b>FDHL-810</b>													
MUD TREATMENT	<b>NACL</b> <b>40(2200L)</b>																							
BIT DATA																								
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #										
Miscellaneous	BOP Test <b>02/24/2023</b>		BOP Drills <b>02/24/2023</b>		Wind <b>NORMAL</b>		Sea <b>N/A</b>		Weather <b>NORMAL</b>		DSLTA		Safety Meeting <b>DAILY</b>											
Real-Time Data Quality		Sensors Quality			98%	Data Frequency			100%	Real-Time Hrs			10.99/24 hrs											
Personnel and Services Information	COMPANY		SCB	OTH	SCP	SCP	RIG	SMI	MJH	RIG	TK3	RIG	ARM	NSL	OTH	TK3	ARM	BC	SCM					
	CATEGORY		BRCR	CTRG	PSSC	ICE	RIG	DFMS	SEC	MED	OTHR	OTHR	OTHR	SLS	VAC	WSC	WSC	PSSC	PCS					
	NO. OF PERSONS		1	13	1	7	39	1	4	1	11	9	3	3	2	2	2	3	3					
	OPERATING HRS.		24	0	24	24	24	12	0	24	24	24	24	24	10	24	24	0	0					
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	12	12					
Trucks/Boats	Standby/Tankers <b>DH-8962</b>																		Total <b>105</b>					
BULK	Drill Wtr.-BBLS <b>5000</b>	Pot Wtr.- BBLS <b>200</b>	Fuel- BBLS <b>404</b>	Barite- SX		Bentonite - SX		Cement G- SX <b>700</b>																
REPAIR ASAP	Instrumentation Computer, Communication & V-Sat Issues				Other														Reporter					
<b>COMPUTER DATA LOST DURING UPDATE COMPUTER IN IT DEP.</b>																								

D&WO Morning Report (Service Providers View)  
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 Daily OffShore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY</b> 02/27/2023	Well No (Type) : <b>MRJN-762</b> <b>(MRJN-764 WILL BE DRILLED AS A DUAL LATERAL HORIZONTAL ACROSS UPPER RATAWI RESERVOIR )</b>	Rig <b>ADC-70</b>	Foreman(s) <b>ELGAMMAL, SHAKER MOUSTAFA/ ALSHAMMARI, KHALID DUBAYS/ ALSUHAIBANI, NASSER ABDULRAHMAN/ ALAHMADI, RAYAN KHALID/ GHAMDI, MAGID ABDULLA</b>
Engineer Superintendent	THURAYA <b>008821677712168</b>	RIG FORMAN VSAT <b>6735725</b>	OTHER VSAT <b>013-829-7707 RADIO ROOM</b>
			CONTRACTOR/CLERK VSAT <b>673-7390</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>5821</b>	<b>L/D SPS DIR BHA. P/U &amp; M/U 16" REAMING ASSY. RIH TO BOTTOM, CHC, POH &amp; L/D 16" REAMING ASSY. WOC, INSTALL CSG SLIPS, 2ND RUN 13-3/8" CSG.</b>	<b>CONTINUE RUN 13-3/8" CSG, CIRC, PERFORM 1ST STAGE CMT, WOC, INSTALL CSG SLIPS, 2ND STAGE CMT.</b>	<b>MRJN-762</b>	<b>9.4</b> (02/22/2023@0200)	<b>UMER 2682 ARUM 4795 LAMS 5608 2650' TVD 4681' TVD 5442' TVD</b>
Prev. Depth <b>5821</b>	Liner Size	TOL MD TVD	Last Csg Size MD TVD	Footage	Circ %
		<b>18 5/8 23462346</b>		<b>0</b>	<b>98</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
01.0	0500 - 0600	0	16	N	DRLG	HT	BHA	RIG	5821	5821			RACK BACK 9-1/2" AND 8-1/2" DC'S & L/D 16" SPS MM/MWD BHA.
00.2	0600 - 0615	0	16	N	DRLG	OTH	NA	RIG	5821	5821			CLEANED & CLEARED RIG FLOOR.
00.2	0615 - 0630	0	16	N	DRLG	PJSM	NA	RIG	5821	5821			HELD PJSM PRIOR P/U 16" REAMING ASSY.
01.5	0630 - 0800	0	16	N	DRLG	HT	BHA	RIG	5821	5821			P/U & RIH 16" REAMING BHA.
00.5	0800 - 0830	0	16	N	DRLG	TI	STHDP	RIG	5821	5821	301	762	RIH 16" REAMING BHA ON 5-1/2" HWDP.
00.5	0830 - 0900	0	16	N	DRLG	TI	STDP	RIG	5821	5821	762	2346	RIH 16" REAMING BHA ON 5-1/2" DP TO CSG SHOE.
02.5	0900 - 1130	0	16	N	DRLG	TI	STDP	RIG	5821	5821	2346	5821	RIH 16" REAMING BHA ON 5-1/2" DP. HOLE IN GOOD CONDITION.
00.5	1130 - 1200	0	16	N	DRLG	PJSM	NA	RIG	5821	5821			HELD STAND DOWN MEETING WITH ALL PARTIES, DISCUSSED LIFE SAVING RULES, STOP WORK AUTHORITY, LINE OF FIRE, MAN RIDING OPERATIONS & VISUAL CHECK OF RIDING DEVICES, NEXT OPERATIONS AND DISCUSSED STOP CARDS & SWA.
03.8	1200 - 1545	0	16	N	DRLG	CIRC	MPMP	RIG	5821	5821			SWEET & CIRCULATED HOLE CLEAN. - DYNAMIC LOSSES +/- 20 BPH.
01.0	1545 - 1645	0	16	N	DRLG	CIRC	MPMP	RIG	5821	5821			SPOT 200 BBL OF CASING GO PILL ON BTM. - FLOW CHECK, +/- 16 BPH STATIC LOSSES.
03.8	1645 - 2030	0	16	N	DRLG	TO	STDP	RIG	5821	5821	5821	2346	POOH 16" REAMING BHA ON 5-1/2" DP AT CONTROLLED SPEED. - FLOW CHECK @ 18-5/8" CSG SHOE - STATIC LOSSES +/- 16 BPH.
00.5	2030 - 2100	0	16	N	DRLG	TO	STDP	RIG	5821	5821	2346	762	POOH 16" REAMING BHA ON 5-1/2" DP.
00.2	2100 - 2115	0	16	N	DRLG	TO	STHDP	RIG	5821	5821	760	301	POOH 16" REAMING BHA ON 5-1/2" HWDP.
00.2	2115 - 2130	0	16	N	DRLG	PJSM	NA	RIG	5821	5821			HPJSM FOR L/D 16" REAMING BHA.
01.5	2130 - 2300	0	16	N	DRLG	HT	BHA	RIG	5821	5821			L/D 16" REAMING BHA.
00.5	2300 - 2330	0	16	N	DRLG	RR	TDS	RIG	5821	5821			PERFORM SERVICE TDS AND DROP OBJECT INSPECTION.
00.5	2330 - 0000	0	16	N	DRLG	PJSM	NA	RIG	5821	5821			HELD STAND DOWN MEETING WITH ALL PARTIES, DISCUSSED LIFE SAVING RULES, STOP WORK AUTHORITY, LINE OF FIRE, MAN RIDING OPERATIONS & VISUAL CHECK OF RIDING DEVICES, NEXT OPERATIONS AND DISCUSSED STOP CARDS & SWA.
01.0	0000 - 0100	0	16	N	CSG	HT	PEL	FMC	5821	5821			R/U FRANKS CRT & 13-3/8" CASING HANDLING EQUIPMENT.
00.2	0100 - 0115	0	16	N	CSG	PJSM	CSG	RIG	5821	5821			HELD PJSM & INSPECT CRT PRIOR R/U & 13-3/8" CASING RUN.
01.0	0115 - 0215	0	16	N	CSG	RCSG	CSTR	FMC	5821	5821	0	209	M/U & RIH W/13-3/8", 68# J-55 FBE-EPC BTC SHOE TRACK. - FUNCTION TEST FLOATS-OK. THREAD-LOCK & TACK WELD FIRST 5 JTS.
02.8	0215 - 0500	0	16	N	CSG	RCSG	CRT	FMC	5821	5821	209	1916	RIH 13-3/8", 68#, J-55, FBE-EPC AS PER TALLY...IN PROGRESS @ RPT.

**MRJN-762 WILL BE DRILLED AS A SINGLE LATERAL HORIZONTAL PRODUCER WITH 5000 FT RESERVOIR CONTACT ACROSS UPPER RATAWI RESERVOIR.**

- RIG POSITION: MRJN-760/769 PF LAT: 28 DEG 21.16' N & LONG: 049 DEG 31.21' E. RIG HEADING: 332 DEG.
- WATER DEPTH: 151 FT, AIR GAP: 43', RKB TO MSL: 106.7' & RKB TO SEA BED: 257.7'.
- FINAL LEG PENETRATIONS: BOW 14.8', PORT 14' & STBD 14.8'.

#### ARAMCO ON BOARD:

\* ARAMCO PDP MOHAMMED DAWOOD ID#786252 ON LOCATION SINCE 02/24/2023.

\* 32" CP AT 303' [56 FT TVD BELOW SEA BED].

\* PLANNED / ACTUAL 18-5/8" CSG AT 2361' / 2370' [50' TVD INTO RUS].

\* PLANNED 13-3/8" CSG AT 5,865' [50' TVD ABOVE LAWAHA].

\* PLANNED 9-5/8" CSG AT 9223' [30' TVD INTO YAMAMA].

\* PLANNED 7" LNR AT 12540' [WELL TE 90 DEGREE INCLINATION].

\* PLANNED 6-1/8" TD AT 17540' [WELL TD 90 DEGREE INCLINATION].

- WELL PATH: 3.5 ABOVE & 9 LEFT OF PLAN (MRJN-762 PLAN#1).

- RIH WITH 16" READ (NOV) BIT (TK76M-4D, SN#291818, IADC M423) AS A TRIAL RUN.

=====MRJN 760/769 PF BATCH DRILLING SEQUENCE=====

-MRJN-761 LATERAL-0-1-1 (6-1/8" HOLE). SECTION TD @ 16,059'. SUSPEND WELL FOR FLOW BACK.

-MRJN-763 (16" HOLE): RAN & CMT 13-3/8" CSG. SUSPENDED WELL FOR BATCH DRILLING ON 01/19/2023.

-MRJN-765 (16" HOLE): RAN & CMT 13-3/8" CSG. SUSPENDED WELL FOR BATCH DRILLING ON 01/26/2023.

-MRJN-767 (16" HOLE): RAN & CMT 13-3/8" CSG. SUSPENDED WELL FOR BATCH DRILLING ON 02/02/2023.

- MRJN-768 (22" HOLE): RAN & CMT 13-3/8" CSG. SUSPENDED WELL FOR BATCH DRILLING ON 02/08/2023.
- MRJN-766 (22" HOLE): RAN & CMT 13-3/8" CSG. SUSPENDED WELL FOR BATCH DRILLING ON 02/15/2023.
- MRJN-764 (22" HOLE): RAN & CMT 13-3/8" CSG. SUSPENDED WELL FOR BATCH DRILLING ON 02/22/2023.
- MRJN-762 (22" HOLE): CURRENT WELL.

- OBSERVATION CARDS: SAFE: 21 , UNSAFE: 24
- HELD 2 X SAFETY STAND DOWN MEETING.
- WEEKLY FUNCTION TEST H2S/LEL SENSORS; OK.

**RENTAL TOOLS ON BOARD :**

- RECEIVED 9-1/2" NOV DRILLING JAR SN: 38195045, MF#2100680604 ON 02/08/2023.

- LC-50 SAMPLE (WBM) SENT: SENT OM 09/10/2022 BY KEHOE TIDE, MN #2400580827.

- LC-50 SAMPLE (OBM) SENT: SENT OM 10/19/2022 BY CAROLINE TIDE III, MN #2400586130.

Remarks

Lateral	Survey MD			Angle	Azimuth		CLength		TVD		N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec		DLS																				
MUD DATA	Weight <b>70</b>	PCF	Funnel Vis. <b>64</b>	SEC	Filtrate(WL) <b>0</b>	HTHP	Filtrate (WL) API	PV <b>19</b>	YP <b>29</b>		Electrical Stability <b>0</b> Volts	3/6 RPM <b>12 / 14</b>	Gels Sec/Min <b>13 / 16</b>	PH <b>9.7</b>	CA PPM <b>360</b>	CL PPM <b>61000</b>																							
	FL Temp <b>100</b>		Cake HTHP <b>0</b>		Cake API	Water Vol. % <b>1</b>	Oil Vol. %	Solids Vol. % <b>2</b>		Sand Vol. % <b>0</b>	% LGS <b>2.24</b>	MBT <b>5</b>	Mud type <b>NCPOL</b>	Water Well #																									
	Weight <b>70</b>	PCF	Funnel Vis. <b>65</b>	SEC	Filtrate(WL) <b>0</b>	HTHP	Filtrate (WL) API	PV <b>19</b>	YP <b>28</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>12 / 14</b>	Gels Sec/Min <b>13 / 15</b>	PH <b>9.5</b>	CA PPM <b>360</b>	CL PPM <b>61000</b>																								
	FL Temp <b>100</b>		Cake HTHP <b>0</b>		Cake API	Water Vol. % <b>1</b>	Oil Vol. %	Solids Vol. % <b>2</b>		Sand Vol. % <b>0</b>	% LGS <b>2.29</b>	MBT <b>5</b>	Mud type <b>NCPOL</b>	Water Well #																									
MUD TREATMENT																																							
BIT DATA	Bit Number <b>2</b>	IADC <b>M423</b>	Size <b>16</b>	Manufacturer <b>REED</b>	Serial Number <b>S291818</b>	Type <b>TK76M4D</b>	Jets <b>/</b>	TFA <b>2346</b>	MD In <b>5821</b>	MD Out	TVD Out																												
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM <b>1100</b>	Jet Vel <b>119.43</b>	DP Av <b>146.73</b>	DC Av <b>0</b>	Bit HHP																							
DRILL STRING	Float <b>Y</b>																																						
	BHA Hrs:																																						
	String Wt.	Pick Up	Slack Off			Rot. Torque			Jars: Serial #/Hrs			/ <b>47</b>	Shock Sub:		/	Mud Motor:	/ <b>47</b>																						
Miscellaneous	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #																									
	BOP Test		BOP Drills		Wind <b>TOURLY</b>		30-38KNTS		2-4 FT		Sea <b>WINDY</b>		Weather		DSLTA	Safety Meeting <b>TOURLY</b>																							
	Real-Time Data Quality				Sensors Quality				97%		Data Frequency		100%		Real-Time Hrs	10.74/24 hrs																							
Personnel and Services Information	COMPANY			RTC	FMC	GOS	HDV	SPS	RIG	BDF	ARM	SCM	ARM						Total <b>98</b>																				
	CATEGORY			BITS	CSR	CTR G	DV	DPDS	RIG	DFMS	OTHR	PCS	WSC																										
	NO. OF PERSONS			1	3	13	1	4	69	1	1	3	2																										
	OPERATING HRS.			0	6	0	6	3	24	24	24	24	24																										
	ON LOCATION HRS.			24	24	24	0	24	24	24	24	24	24																										
Trucks/Boats	Standby/Tankers																																						
BULK	Drill Wtr.-BBLS <b>560</b>	Pot Wtr.- BBLS <b>958</b>	Fuel- BBLS <b>1590</b>	Barite- SX <b>5381</b>	Bentonite - SX <b>0</b>	Cement G- SX <b>4307</b>																																	
REPAIR ASAP	Instrumentation		Other																Reporter																				
Computer, Communication & V-Sat Issues																																							

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ZULF-698 (OIL PRODUCER)</b> Charge (66- 22062-#: <b>0698</b> ) Wellbores: (0) ZULF_698_0	Rig <b>ADC-110</b>	Foreman(s) Engineer Superintendent <b>MOHAMMED, HOSSAMALDEEN OSAMA/ AHMARI, NAYEF MOHAMMED/ HUSSAIN, MOATH YOSEF / RIZA, ISKANDAR/ UMAIRIN, ISA SALEM</b>
		THURAYA <b>+8821677714135</b>	RIG FORMAN VSAT <b>013-6734082</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>10535</b>	<b>POOH WFD WBCO ASSY#1, L/D WFD TOOLS, R/U &amp; RUN SLB/BORETS MIDDLE COMPLETION</b>	<b>RUN SLB MIDDLE COMPLETION, SET PKR, POOH WITH DP, CHANGE &amp; TEST TOP RAMS, R/U &amp; RUN SLB/BORETS ESP UPPER COMPLETION</b>	<b>ZULF 690-699</b>	<b>46.5</b> (01/11/2023@1630)	<b>RUS 2363 MD UMER 2538 MD LHHR 5029 MD AHMD 5278 MD CPCK 5359 MD WARA 5698 MD MDDD 5785 MD SFNY 5957 MD SCFS 6049 MD SEFS 6236 MD SGFS 6308 MD SJSB 6374 MD SMSB 6517 MD ZKB2 6982 MD ZKD1 7258 MD</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>10535</b>					<b>9 5/8</b>	<b>80026292</b>		<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
01.0	0500 - 0600	0		N	CT	WBCO	WBCL	WWB	10535	10535			POOH WITH WFD WBCO ASSY ON 5.5" DP.
00.8	0600 - 0645	0		N	CT	WBCO	WBCL	WWB	10535	10535			FLOW CHECK-STATIC. POOH ON 5.5" HWDP.
04.0	0645 - 1045	0		N	CT	WBCO	WBCL	WWB	10535	10535			HPJSM, POOH AND L/D WFD WBCO TOOLS (DRIFT SUB, 6 EA STRING MAGNETS, SCRAPER, BRUSH & JUNK TRAPPER). NO DEBRIES RECOVERED FROM WBCO TOOLS.
02.8	1045 - 1330	0		N	CT	WBCO	WBCL	WWB	10535	10535			P/U & M/U WFD BOPE JETTING TOOL, RIH, FLUSHED BOPE, POOH AND L/D JETTING TOOL.
01.5	1330 - 1500	0		C	COMP	HT	PEL	ODJ	10535	10535			R/U ODFJELL HANDLING EQUIPMENT.
00.5	1500 - 1530	0		C	COMP	PJSM	TBG	RIG	10535	10535			HPJSM WITH SLB, EXPRO, ODFJELL & RIG CREW PRIOR TO RUNNING SLB MIDDLE COMPLETION.
05.0	1530 - 2030	0		C	COMP	RPCS	SPCO2	ODJ	10535	10535	0	2758	P/U & M/U 4-1/2 11.6# J-55 NVAM PUP JOINT CUT AS HMS & 68 EA 4-1/2" NVAM TUBING JOINT.
00.5	2030 - 2100	0		C	COMP	HT	PEL	ODJ	10535	10535			CHANGED HANDLING EQUIPMENT TO 5.5"
00.5	2100 - 2130	0		C	COMP	RPCS	SPCO2	ODJ	10535	10535	2758	2801	P/U & M/U CROSSOVER FROM 4.5" N-VAM TO 5.5" N-VAM, RIH WITH 1 JT OF 5.5" 15.5# CSG.
01.8	2130 - 2315	0		C	COMP	DTU	DRFT	EX1	10535	10535			R/U EXPRO SLICKLINE LUBRICATOR, P/T SAME, RIH W/ 4.825" DRIFT TO 42' & RIH W/ 3.875" DRIFT TO 2755', POOH, R/D SAME.
01.5	2315 - 0045	0		C	COMP	HT	PKR	SCP	10535	10535			P/U & M/U SLB 9-5/8" MFIV AND 9-5/8" QUANTUM PACKER ASSY WITH 3-1/2" WASH PIPE, MFIV SHIFTING TOOL
00.2	0045 - 0100	0		C	COMP	HT	PEL	RIG	10535	10535			CHANGED HANDLING EQUIPMENT TO 5.5" DP.
00.5	0100 - 0130	0		C	COMP	RPCS	SPCO2	RIG	10535	10535	2855	3050	RIH AT CONTROLLED SPEED W/ SLB 9-5/8" MFIV/ QUANTUM PACKER ON 5.5"DP TO 3050'
00.2	0130 - 0145	0		C	COMP	CIRC	MPMP	RIG	10535	10535			CONNECTED TDS, BREAK CIRCULATION.
03.2	0145 - 0500	0		C	COMP	TI	STDP	RIG	10535	10535	3050	6575	RIH AT CONTROLLED SPEED W/ SLB 9-5/8" MFIV/ QUANTUM PACKER ON 5.5"DP TO 6575'.**INP@RT**

ZULF-698 WELL WILL BE DRILLED AS A SINGLE LATERAL OIL PRODUCER TARGETING KHFJ RESERVOIR. THE WELL WOULD BE COMPLETED WITH 5 1/2-IN ICD

SCREENS FOR KHFJ RESERVOIR AND UPPER COMPLETION WITH 4 1/2-IN TUBING, ESP AND PRODUCTION PACKER.

RIG HEADING= 328 DEG

FINAL POSITION: LAT 28 DEG 34.7'N, LOG 49 DEG 26.40'E

FINAL LEG PENETRATION: BOW: 10 FT; STBD: 9 FT; PORT: 13.8 FT

AIR GAP = 47 FT

RKB TO ML = 260 FT

RKB TO MSL = 111 FT

WATER DEPTH = 149 FT

HOLE SECTIONS:

\* L-0 22" PLANNED DEPTH AT 2363 FT MD/ 2357 FT TVD, ACTUAL DEPTH AT 2375 FT MD/2366 FT TVD. 62 FT RUS FORMATION

\* L-0 16" PLANNED DEPTH AT 5085 FT MD/ 4960 FT TVD, ACTUAL DEPTH AT 5088 FT MD/ 4939 FT TVD. - INSIDE LAMS/LHHR

\* L-0 12-1/4" PLANNED DEPTH AT 7660 FT MD/ 6291 FT TVD, ACTUAL DEPTH AT 8004 FT MD/6294 FT TVD. - KHFJ RES.  
 \* L-0 8-1/2" PLANNED DEPTH AT 10660 FT MD/ 6337 FT TVD, ACTUAL DEPTH AT 10535 FT MD/6344 FT TVD. - KHFJ RES.-WELL TD

**\*CURRENT WELL: ZILF-698: TO BE DRILLED TO TD**

**NEXT LOCATION:**

**\*ZULF-1530/1539 PF: WILL TIE BACK ZULF-1530**

**\*BATCH DRILL 22" HOLE SECTION FOR 5 WELLS.**

**\*EXPECTED RIG MOVE: FEB-28-2023**

**=====SAFETY & DRILLS=====**

**\*\* HSE ALERTS REVIEWED WITH CREWS: HSE ALERTS 20-23,21-23, 22-23 AND 23-23**

**\*\* HELD H2S DRILL ON FEB. 20, 2023.**

**\*\* HELD FIRE DRILL ON FEB. 06, 2023.**

**\*\* HELD ABANDON DRILL ON FEB. 20, 2023.**

**\*\* MAN DOWN DRILL ON FEB. 20, 2023**

**\*\* PCI OPEN ITEMS: 3 EA, PRIORITY: 2, DUE DATE JAN 8TH 2023**

**=====PERSONNEL=====**

**\*\* ARAMCO CLERK MOHAMMED NASIR ANWAR #8383785 ON BOARD 25-NOV-2022.**

**\*\* AHMED ALROQIEI BADGE #791182 HSE ONBOARD**

**\*\* BASIM ALSHEHRI #808802 ARAMCO PDP ONBOARD**

**\*\* RIZA ISKANDAR # 720139 ARAMCO DE ONBOARD**

**=====RENTAL EQUIPMENT ON BOARD=====**

**- NOV 6.5" HMJ SR#474-65915 ONBOARD SINCE FEB-12-2023 (IN TANAJIB: FEB-8-2023)**

**- WFD 6.75" PBL SR# SBM675SBP355 & SBM675SBP295 ONBOARD SINCE FEB-12-2023**

**- HAVE 1 X 9 5/8" EZ-SVB WITH BRASS ELEMENT ON BOARD.**

**- HAVE 1 X 13-3/8" EZSV WITH BRASS PLUG ONBOARD**

**=====WAITING TIME=====**

**- WAIT ON WEATHER: TODAY 00 HRS / CUMULATIVE 109 HRS**

**- WAIT ON PRODUCING: TODAY 0 HRS / CUMULATIVE 0 HRS**

**- WAIT ON MARINE: TODAY 0 HRS / CUMULATIVE 0 HRS**

**- LC-50 WBM SAMPLE SENT ON JAN-21-2023 UNDER MN#2400601382**

**- LC-50 OBM SAMPLE SENT ON FEB-11-2023 UNDER MN#2400604451**

Remarks

Lateral	Survey MD		Angle		Azimuth		CLength		TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec		DLS														
MUD DATA	Weight 85 PCF	Funnel Vis. <b>28 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9.2</b>	CA PPM <b>999</b>	CL PPM <b>324000</b>																				
	FL Temp <b>135</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>84</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>16</b>	Sand Vol. % <b>0</b>	% LGS	MBT <b>0</b>	Mud type <b>WBM-CAC</b>	Water Well #																					
	Weight 85 PCF	Funnel Vis. <b>28 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9.2</b>	CA PPM <b>999</b>	CL PPM <b>323000</b>																				
	FL Temp <b>135</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>84</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>16</b>	Sand Vol. % <b>0</b>	% LGS	MBT <b>0</b>	Mud type <b>WBM-CAC</b>	Water Well #																					
	Weight 85 PCF	Funnel Vis. <b>28 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9.22</b>	CA PPM <b>999</b>	CL PPM <b>324000</b>																				
	FL Temp <b>135</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>84</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>16</b>	Sand Vol. % <b>0</b>	% LGS	MBT <b>0</b>	Mud type <b>WBM-CAC</b>	Water Well #																					
	CACL2-98	CACL2-80	S-WELLSURF	O-3670R	CAOH2	BCTRN	H2S-SCAV-L																									
MUD TREATMENT	5(2200L)	35(2200L)	14(5GL)	4(55GL)	4(55LB)	4(5GL)	2(55GL)																									
BIT DATA																																
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #																		
Miscellaneous	BOP Test <b>02/16/2023</b>	BOP Drills		Wind <b>NW 18-22 KNTS</b>			Sea <b>3-5 FT</b>		Weather <b>SEASONAL</b>		DSLTA		Safety Meeting <b>TOURLY &amp; PRE-JOB</b>																			
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs			<b>11.49/24 hrs</b>																	
Personnel and Services Information	COMPANY		SBA	INW	OCS	GOS	SCP	BCF	RIG	EMC	BLH	ARM	SJC	EX1	ARM	WWB	DEL	Total <b>103</b>														
	CATEGORY		ALS	BRCR	CSR	CTRG	ICE	SCCF	RIG	DFMS	LHES	OTHR	PCS	SLS	WSC	WBCS	WHES															
	NO. OF PERSONS		8	1	4	12	1	1	62	1	2	3	1	3	2	1	1															
	OPERATING HRS.		0	0	8	0	15	0	24	24	0	12	24	2	24	8	0															
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24															
Trucks/Boats	Standby/Tankers																															
BULK	Drill Wtr.-BBLS <b>4500</b>	Pot Wtr.- BBLS <b>1730</b>		Fuel- BBLS <b>1500</b>		Barite- SX <b>2443</b>		Bentonite - SX <b>498</b>		Cement G- SX <b>3072</b>																						
REPAIR ASAP	Instrumentation		Other															Reporter														
	Computer, Communication & V-Sat Issues																															

D&WO Morning Report (Service Providers View)  
 Copyright 2010 Saudi Aramco. All Rights Reserved  
 Daily OffShore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ZULF-1398 (OIL)</b> Charge #: <b>(66- 22062- #: 1398)</b> Wellbores: (0) ZULF_1398_0	Rig <b>ADC- 120</b> Foreman(s) <b>HASSAN, EMAD KORANY/ DAHAB, AHMED ABUBAKR/</b> Engineer Superintendent <b>JUAID, FAISAL HAMOUD/ FARTAS, ZAHIR EL AMAR</b>
		THURAYA <b>+882 16 7771 4136</b> RIG FORMAN VSAT <b>013-673-9980</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>9436</b>	<b>CONT RIH W/ 12-1/4" REAMING BHA, C.H.C, POOH W/ 12-1/4" REAMING BHA. TO 4900' INSIDE 13-3/8" CSG, CH.C. 9-5/8" CSG.</b>	<b>RIH W/ 12-1/4" REAMING BHA BACK TO BTM @ 9436', C.H.C, SPOT CSG GO PILL, POOH W/ 12-1/4" REAMING BHA, RIH W/</b>	<b>ZULF</b>	<b>25.0</b> (02/16/2023@2230)	<b>ARUM 3679 3874' MD LAMS 4410 4782' MD LHHR 4516 4924' MD RUML 4616 5062' MD AHMD 4749 5343' MD CPCK 4893 5537' MD WARA 5113 6280' MD MDDD 5205 6828' MD SFNY 5312 7444' MD SCFS 5395 7926' MD</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>9436</b>					<b>13 3/8</b>	<b>4905</b>	<b>4501</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
00.5	0500 - 0530	0	12 1/4	N	DRLG	CIRC	MPMP	RIG	9436	9436			<b>CONT. REAM THROUGH 13-3/8" FLOAT COLLAR AND SHOE SEVERAL TIMES FR/ 4830' - TO/ 4905' W/900 GPM, 1500 PSI, 50 RPM, 3-4 K.FT LBS TQ</b>			
01.0	0530 - 0630	0	12 1/4	N	DRLG	TI	STDP	RIG	9436	9436	4905	5200	<b>RIH W/ 12.25" REAMING BHA ON ELEVATOR F/4905' T/5200'. HAD OBSTRUCTION @ 5200' WORK ON SAME BY REAM DOWN TILL PASS FREE. -REAMING PARAMETERS 900 GPM, 2200 PSI, 90 RPM, 6-10 K. LB FT TQ.</b>			
02.5	0630 - 0900	0	12 1/4	N	DRLG	RW	BIT	RIG	9436	9436	5200	6250	<b>ATTEMPT TO RIH ON ELEVATOR HAD OBSTRUCTION, REAM DOWN W/ 12-1/4" REAMING BHA F/5200' T/ 6250' (BUILD SECTION) -REAMING PARAMETERS.: W/900-1000 GPM, 2100-3200 PSI, 70-90 RPM, 6-10 K. FT LB TQ.</b>			
01.5	0900 - 1030	0	12 1/4	N	DRLG	CIRC	MPMP	RIG	9436	9436			<b>SWEEP HOLE W/20 BBLS HI WT BILL &amp; C.H.C WHILE WORKING STRG UP &amp; DOWN W/ 1000 GPM, 3100 PSI, 90 RPM, 4-6 K. FT LB TQ.</b>			
01.5	1030 - 1200	0	12 1/4	N	DRLG	TI	STDP	RIG	9436	9436	6250	6800	<b>RIH W/ 12.25" REAMING BHA ON ELEVATOR F/6250' T/6800'. HAD OBSTRUCTION @ 6800' -MONITOR WELL ON T.T WHILE RIH</b>			
02.5	1200 - 1430	0	12 1/4	N	DRLG	RW	BIT	RIG	9436	9436	6800	7800	<b>REAM DOWN W/ 12-1/4" REAMING BHA F/6800' T/ 7800'. -REAMING PARAMETERS.: W/1000 GPM, 3100-3200 PSI, 70-90 RPM, 6-10 K. FT LB TQ.</b>			
03.0	1430 - 1730	0	12 1/4	N	DRLG	TI	STDP	RIG	9436	9436	7800	9436	<b>RIH W/ 12.25" REAMING BHA ON ELEVATOR F/7800' TO BTM @ 9436'. -MONITOR WELL ON T.T WHILE RIH. -REAM DOWN LAST TWO STDS</b>			
03.2	1730 - 2045	0	12 1/4	N	DRLG	CIRC	MPMP	RIG	9436	9436			<b>PUMP 2X 20 BBLS HI-WT SWEEPS &amp; CHC WITH 1000 GPM, 3600-3700PSI, 8-11 K TORQUE. RECIPROcate STRING WITH 90 RPM UP AND DOWN. - RACK BACK 1X STD / BTM UP WHILE CIRCULATING. - M. WT IN/OUT : 102 PCF -CIRC. TILL SHAKERS CLEAN.</b>			
													<b>TAKE SCR'S @ 9420' - MP#2, PSI: 138 /190 /248. - MP#3, PSI: 140 /192 /250.</b>			
00.5	2045 - 2115	0	12 1/4	N	DRLG	OTH	NA	RIG	9436	9436			<b>STAND DOWN MEETING WITH RIG CREWS DISCUSS HEAVY TOOL ROOM HATCH INCIDENT.</b>			
00.2	2115 - 2130	0	12 1/4	N	DRLG	OTH	NA	RIG	9436	9436			<b>FLOW CHECK WELL PRIOR TO TRIP OUT W/ 12-1/4" REAMING BHA - WELL STATIC.</b>			
07.0	2130 - 0430	0	12 1/4	N	DRLG	TO	STDP	RIG	9436	9436	9436	4900	<b>POOH W/ 12-1/4" REAMING BHA IN OPEN HOLE ON ELEVATOR FR/ 9436 - TO/ 4900'. -MONITOR WELL ON TT WHILE POOH. -HAD TIGHT SPOT @ 5505' WORK ON SAME BY BACK</b>			

00.5	0430 - 0500	0	12 1/4	N	DRLG	CIRC	MPMP	RIG	9436	9436			REAM & REAM DOWN TILL PASS FREE ON ELEVATOR. SWEEP HOLE W/ 20 BBLS HI-WT SWEEP, C.H.C WHILE WORKING STRG UP & DOWN W/ 1000 GPM, 2200 PSI, 80 RPM, 8-10 K LB. FT TQ. - ON GOING @ REPORT TIME.
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#### ARAMCO PERSONNEL ONBOARD:

\* MATERIAL EXPEDITOR - MANSOUR ALANSI, BADGE#8532046, ONBOARD 21-FEB-2023

#### WELL SUMMARY:

ZULF-1398 WILL BE DRILLED AS A SINGLE LATERAL HORIZONTAL PRODUCER TARGETING SAFANIYA RESERVOIR TO A TOTAL DEPTH OF +/- 12,513 FT MD WITH +/-3,402 FT OF RESERVOIR CONTACT. WELL WILL BE COMPLETED, Y-TOOL AND TRSSV ON 4-1/2" 11.6#/FT, J-55 NVAM TUBING.

#### RIG DATA:

\* RIG LOC- ZULF-1390/1399 PF

\* RIG HEADING 329.5

LAT: 28DEG 20.94 N, LONG: 49DEG 15.66 E

\* AIR GAP = 49 FT

\* WATER DEPTH = 114 FT

\* RKB TO MSL = 113 FT

\* RKB TO PLATFORM DECK = 76 FT

\* LEG PENETRATION:

BOW LEG: 8.9 FT

STBD LEG: 8 FT.

PORT LEG: 9.4 FT.

#### SAFETY:

RE-ENFORCE STOP WORK AUTHORITY & HANDS-FREE OPERATIONS IN PRE-TOUR MEETINGS

DISCUSS ARAMCO & ADC HSE ALERTS IN PRE TOUR-MEETINGS & WEEKLY SAFETY MEETING INCLUDING BELOW REPEATED DUE TO CREW CHANGE.

WEEKLY SAFETY CAMPAIGN: HAZARD IDENTIFICATION & AWARENESS.

DISCUSS LATEST ALERTS WITH ALL CREW.

#### DRILLS:

WEEKLY H2S, FIRE & ABANDON DRILL.

WEEKLY THURAYA CHECK 20-FEB-2023

#### CASING POINTS PLANNED:

18-5/8" CASING AT 1,714 FT (50 FT TVD INTO RUS): SET AT 1719 FT

13-3/8" CASING AT 4,905 FT (100 FT TVD INTO LAMS): SET AT 4905FT

9-5/8" CASING AT 9436 FT AT TE (SFNY): SET AT XXXX FT

8-1/2" TD AT 12,513 FT: FINAL TD AT XXXX FT (SFNY)

#### WELL PLAN:

ZULF-1398 L0 PLAN6 - DATED 13 FEB, 2023

#### BATCH DRILLING:

22" HOLE - ZULF-1397-1399 -1398 -1396 - (DONE)

16" HOLE - ZULF-1397 (DONE)-1399 (DONE)-1398 (DONE) -1396 (DONE).

12 1/4" HOLE- ZULF-1396 (DONE) -1398 (ON GOING) -1397 -1399 (LAST WELL - DIFFERENT TARGET).

#### CURRENT WELL:

ZULF-1398 SAME LOCATION - SECTION: 12-1/4"

#### NEXT WELL:

ZULF-1399 SAME LOCATION - COMING SECTION: 12-1/4"

#### RENTAL TOOLS:

2 EA. 8-1/2" PBL SUBS (S/N# SBM825BP171 & WES825BP750) ONBOARD SINCE 23-JAN-2023.

2 EA. 12-1/4" DOG LEG REAMERS (NOV), ONBOARD 23-JAN-2023.

1 EA. MI SWACO CENTRIFUGE PACKAGE, ONBOARD 23-JAN-2023.

1 EA. 6-1/2" NAPESCO HYDRAULIC JAR, (ID: 2.75") S/N#: HJDA-650-0020, ONBOARD 27-JAN-2023.

1 EA. 6-1/2" NAPESCO HYDRO-MECHANIC JAR, (ID: 2.25"), S/N#: HMJ-650-0010, ONBOARD 27-JAN-2023.

- LC-50 SAMPLE, RHELIANT OBM SENT ON BRASHER TIDE ON 08-FEB-2023, MM# 2400604236.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP		Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM	
	102 PCF	76 SEC	1.6 HTHP	API	30	26		920 Volts	13 / 14	18 / 23			253524	
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type		Water Well #		

MUD DATA	140	1	0	18	56	26	0	3.5		RELIANT						
	Weight <b>100</b>	Funnel Vis. <b>74 SEC</b>	Filtrate(WL) <b>1.6 HTHP</b>	Filtrate (WL) API	PV <b>29</b>	YP <b>25</b>	Electrical Stability <b>980 Volts</b>	3/6 RPM <b>13 / 14</b>	Gels Sec/Min <b>18 / 23</b>	PH	CA PPM	CL PPM	<b>253524</b>			
	FL Temp <b>140</b>	Cake HTHP <b>1</b>	Cake API	Water Vol. % <b>18</b>	Oil Vol. % <b>57</b>	Solids Vol. % <b>25</b>	Sand Vol. % <b>0</b>	% LGS <b>3.46</b>	MBT	Mud type <b>RELIANT</b>	Water Well #					
	Weight <b>102</b>	Funnel Vis. <b>76 SEC</b>	Filtrate(WL) <b>1.6 HTHP</b>	Filtrate (WL) API	PV <b>30</b>	YP <b>26</b>	Electrical Stability <b>920 Volts</b>	3/6 RPM <b>13 / 14</b>	Gels Sec/Min <b>18 / 23</b>	PH	CA PPM	CL PPM	<b>253524</b>			
	FL Temp <b>140</b>	Cake HTHP <b>1</b>	Cake API	Water Vol. % <b>18</b>	Oil Vol. % <b>56</b>	Solids Vol. % <b>26</b>	Sand Vol. % <b>0</b>	% LGS <b>3.5</b>	MBT	Mud type <b>RELIANT</b>	Water Well #					
MUD TREATMENT	<b>BARITE-BULK</b>	<b>CAOH2</b>	<b>ECOTROL-RD</b>	<b>NF25</b>	<b>CACO3-50</b>	<b>RETHK</b>	<b>MAXSHIELD</b>	<b>VG-PL</b>	<b>VG-SUP</b>							
BIT DATA																
DRILL STRING	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit			SMT			12.25		1.02	6 5/8" REG				<b>RV0678</b>	
	2	Near Bit Roller Reamer			RIG		1	8.5		10.46	6 5/8" REG	6 5/8" REG			<b>528-4-5-164</b>	
	3	Drillcollar			RIG		1	8.5	2.75	31.05	6 5/8" REG	6 5/8" REG			<b>8002</b>	
	4	Roller Reamer			RIG		1	8.5	2.8	8.9	6 5/8" REG	6 5/8" REG			<b>52845286</b>	
	5	Drillcollar			RIG		2	8.5	2.75	60.83	6 5/8" REG	6 5/8" REG				
	6	Roller Reamer			RIG		1	8.5	2.8	9.05	6 5/8" REG	6 5/8" REG			<b>52845243</b>	
	7	Drillcollar			RIG		1	8.5	2.875	31.05	6 5/8" REG	6 5/8" REG			<b>8014</b>	
	8	Crossover			RIG		1	8.5	2.875	3.59	XT-54	6 5/8" REG				
	9	Heavy Weight Drillpipe (HWDP)			RIG		6	5.5	3.25	186.47	XT-54	XT-54				
	10	Hydraulic Jar			NPC		1	6.5	2.875	28.42	XT-54	XT-54			<b>HJDA650002</b>	
	11	Heavy Weight Drillpipe (HWDP)			RIG		9	5.5	3.25	279.9	XT-54	XT-54				
	12	Drillpipe			RIG	25	284	5.5								
Miscellaneous	BOP Test <b>02/17/2023</b>		BOP Drills <b>TRIP DRILL</b>		Wind <b>35-38 KTS NW</b>			Sea <b>3-4 FT</b>		Weather <b>SEASONAL</b>		DSLTA		Safety Meeting <b>TOURLY</b>		
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency		100%	Real-Time Hrs		<b>10.74/24 hrs</b>			
Personnel and Services Information	COMPANY		GOC	HTD	GOS	HDV	SPS	RIG	EMC	SMI	ARM	BCM	MI2	ARM	WWB	DEL
	CATEGORY		CSR	CSV	CTRG	DV	DPDS	RIG	DFMS	DFMS	OTHR	PCS	SCS	WSC	WBCS	WHES
	NO. OF PERSONS		4	2	13	1	4	59	1	1	1	2	1	2	1	1
	OPERATING HRS.		0	0	0	0	0	24	12	12	12	24	10	24	0	0
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24	24	24
Trucks/Boats	Standby/Tankers <b>RAWABI-9</b>															
BULK	Drill Wtr.-BBLS <b>1629</b>	Pot Wtr.- BBLS <b>794</b>	Fuel- BBLS <b>1027</b>	Barite- SX <b>3351</b>	Bentonite - SX	Cement G- SX <b>4056</b>										
REPAIR ASAP	Instrumentation		Other Computer, Communication & V-Sat Issues											Reporter		

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HWYH-54 (REMOVE OBSTRUCTION AND RE-COMPLETE THE WELL)</b> Charge (61- 22053-#: <b>0054</b> ) Wellbores: (0) HWYH_54_0	Rig <b>ADES-13</b>	Foreman(s) <b>OGBI, MOHAMED SAMIR/ AVILA ROMERO, MIGUEL AUGUSTO/ ALBLWEI, AHMED JMIAL</b>
			THURAYA RIG FORMAN VSAT <b>008821677712823</b> 577-3977 CONTRACTOR/CLERK VSAT TP OFFICE 810-2796 CONTRACTOR/CLERK VSAT <b>ARAMCO CLERK / 577-3590</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>6445</b>	<b>RIH UPPER COMPLETION. DRIFT, SET PKR, P.T, SPACE OUT STRING.</b>	<b>DISPL TO DIESEL, LAND TBG HGR, PT TCA &amp; TBG, SET BARRIERS, N/D BOP, N/U &amp; PT TREE, SECURE WELL, RELEASE RIG TO HRML-53.</b>	<b>207 KM FROM DHARAN MAIN GATE AND 5 KM SW HWYH GOSP-2</b>	<b>13.5</b> (02/13/2023@1800)	
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %
<b>6445</b>	<b>4 1/2</b>	<b>5811</b>	<b>6435</b>	<b>6435</b>	<b>7</b> <b>6100</b> <b>6100</b> <b>0</b> <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations					
									Start	End	Start	End						
06.5	0500 - 1130	0		C	COMP	RPCS	UPCOM	RIG	6445	6445	975	3335	RIH UPPER COMPLETION ASSY ON 4-1/2" TBG, 11.6#, J-55, N.VAM T/ 3335' (TOTAL: 79/141 JTS). >> KEPT TRIP TANK RUNNING CONTINUOUSLY WITH 79 PCF BRINE, HAD 4 BPH STATIC LOSSES.					
02.0	1130 - 1330	0		C	COMP	DTU	DRFT	NSL	6445	6445			HPJSM, R/U SL PCE & LUBRICATOR AND P.TEST TO 1500 PSI. >> RIH 3.875" DRIFT TILL TAG UPPER X-NIPPLE @2910', POH. >> R/D SL TOOLS					
06.5	1330 - 2000	0		C	COMP	RPCS	UPCOM	RIG	6445	6445	3335	5811	RIH UPPER COMPLETION ASSY ON 4-1/2" TBG, 11.6#, J-55, N.VAM T/ 5811' (TOTAL141 JTS). >> KEPT TRIP TANK RUNNING CONTINUOUSLY WITH 79 PCF BRINE, HAD 4 BPH STATIC LOSSES.					
03.0	2000 - 2300	0		C	COMP	DTU	DRFT	NSL	6445	6445			HPJSM, R/U SL PCE & LUBRICATOR AND P.TEST TO 1500 PSI. >> RIH 3.875" DRIFT FREELY TO 2950', POH. >> R/D SL TOOLS					
04.0	2300 - 0300	0		C	COMP	SET	PKR	BC	6445	6445	5516	5516	SPACE-OUT, CONNECT TDS & P/T SURFACE LINE TO 4,000 PSI. HOLD OK. >> NORMAL CIRC THRU TBG W/ 79 PCF BRINE, 2 BPM, 760 PSI. PRESSURE INCREASED TO 1100 PSI, HOLD FOR 5MN. CONFIRMED SCT TOOL CLOSED ALL PORTS. >> POSITION PKR ON SETTING DEPTH, SET 7" BAKER PACKER @ 5516', PRESSURE-UP TBG W/ 2,200 PSI FOR INITIAL SET, SLACK-DOWN 20 KLBS, PRESSURE-UP TO 3,000 PSI, PULL-TEST W/ 20K O.PULL, CONFIRM SET-OK. (KEPT TCA OPENED WHILE SET PKR). >> P/T TCA WITH 79 PCF BRINE TO 1000 PSI, HOLD.OK (KEPT TBG SIDE OPENED WHILE PT). >> SHEAR-OFF PBR SEAL ASSEMBLY PRESSURE-UP TBG TO 2,000 PSI W/ 35 KLB O.PULL, PT SEAL ASSEMBLY FROM INSIDE STRING TO 1000 PSI, HOLD, SLACK 20 KLBS & SPACE-OUT (LANDING MODE) MARK TBG, RE-TEST TCA TO 1000 PSI, W/ 79 PCF BRINE, HOLD OK. >> 7" PKR SETTING DEPTH @ 5516' - 4-1/2" MULE-SHOE (5 FT STING-IN INTO PBR).					
01.0	0300 - 0400	0		C	COMP	OTH	TBG	RIG	6445	6445			SPACE-OUT, P/U & M/U NEW 11" X 4-1/2" N-VAM CIW TBG HGR ON LANDING JT W/ FOSV ABOVE.					
01.0	0400 - 0500	0		C	COMP	DTU	DRFT	NSL	6445	6445			HPJSM, R/U SL PCE & LUBRICATOR AND P.TEST TO 1500 PSI. >> RIH 3.875" DRIFT FREELY TO 500', POH. >> R/D SL TOOLS					

ODF= -20 FT

===== SAFETY =====

>> HOLD DAILY SAFETY MEETING WITH ALL CONCERNED PERSONNEL & PJSM AS REQUIRED

===== ARAMCO POB =====

>> ARAMCO FOREMAN MAHMOUD, AHMED BAKHEET ID# 8588792 ON LOCATION SINCE 16 FEBRUARY 2023.

===== DIESEL CONSUMPTION =====

DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) = (DAILY: 27 BBL / CUMULATIVE FOR CURRENT WELL: 429 BBL'S).

===== NEXT LOCATIONS =====

- HRML-53 KOM DONE ON JAN 11, 2023. STRIP OUT 100 %, LOCATION 50 %.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS						
MUD DATA	Weight <b>79</b> PCF	Funnel Vis. <b>50</b> SEC	Filtrate(WL) HTHP	Filtrate (WL) API	PV	YP	Electrical Stability Volts	3/6 RPM <b>/</b>	Gels Sec/Min <b>/</b>						
	FL Temp <b>60</b>	Cake HTHP	Cake API	Water Vol. % <b>90</b>	Oil Vol. %	Solids Vol. % <b>10</b>	Sand Vol. %	% LGS <b>0</b>	MBT						
	Weight <b>79</b> PCF	Funnel Vis. <b>50</b> SEC	Filtrate(WL) HTHP	Filtrate (WL) API	PV	YP	Electrical Stability Volts	3/6 RPM <b>/</b>	Gels Sec/Min <b>/</b>						
	FL Temp <b>60</b>	Cake HTHP	Cake API	Water Vol. % <b>90</b>	Oil Vol. %	Solids Vol. % <b>10</b>	Sand Vol. %	% LGS <b>0</b>	MBT						
MUD TREATMENT															
BIT DATA															
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #	
	BOP Test					Wind		Sea		Weather					Safety Meeting

Miscellaneous	02/13/2023	BOP Drills		WINDY	N/A	SEASONAL			DSLTA	TOURELY
	Real-Time Data Quality		Sensors Quality		100%	Data Frequency		100%	Real-Time Hrs	10.74/24 hrs
Personnel and Services Information	COMPANY	INW	GOC	OTH	BC	RIG	OES	NSL	ARM	Total 67
	CATEGORY	BRCR	CSR	CTR G	PSSC	RIG	DFMS	SLS	WSC	
	NO. OF PERSONS	1	2	17	1	40	1	3	2	
	OPERATING HRS.	0	24	0	24	24	24	5	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	
	Standby/Tankers	ARAMCO PICK-UP DH-3265		AMBULANCE						
Trucks/Boats	BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX	800		Reporter
REPAIR ASAP	Instrumentation	Other	Computer, Communication & V-Sat Issues							

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Date <b>MONDAY</b> <b>02/27/2023</b>	Well No (Type) : <b>HWYH-606</b> <b>(SIDETRACK &amp; DRILL</b> <b>DEVIATED HOLE</b> <b>ACROSS ARAB-D)</b>	Rig <b>ADES-</b> <b>14</b>	Foreman(s) <b>BENDACHA, SLIMANE/ MUJAMMAMI, MOHAMMED HUSSAIN/</b> Engineer <b>AHMED, IRSHAD/</b> Superintendent <b>ALDOSARI, ABDULRAHMAN MUTLAQ</b>
Charge (71- 22053-#: <b>0606)</b>	Wellbores: (0- <b>1</b> ) HWYH_606_1	THURAYA <b>8821677712824</b>	RIG FORMAN VSAT <b>013577-3980</b> MOBILE T.PUSHER 013-810-2786 CONTRACTOR/CLERK VSAT <b>013-577-9358</b> CONTRACTOR/CLERK VSAT <b>TOOL PUSHER 05430132556</b>

Depth	Last 24 hr operations				Next 24 hr plan				Location				Days Since Spud/Comm (Date)		Formation tops	
	R/D ON HWYH-53, R/M & R/U ON HWYH-R/D ON HWYH-53, R/M & R/U ON HWYH- 224 KM FROM DHARAN MAIN GATE 606.												6.7 (@)			
Prev. Depth	Liner Size			TOL	MD		TVD		Last Csg Size		MD	TVD	Footage	Circ %		
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth				Summary of Operations	
13.0	0500 - 1800	0-1		N	RM	RD	NA	RIG	9722	9722					HELD RIG MOVE SAFETY MEETING WITH RIG CREW. DISCUSSED POTENTIAL HAZARDS WHILE RIG DOWN OPERATIONS, STOP WORK AUTHORITY, AND MONITOR WIND SPEED ALL TIMES.	
															<ul style="list-style-type: none"> <li>- R/D ON HWYH-53: 50%</li> <li>- R/M TO HWYH-606: 40 %</li> <li>- R/U ON HWYH-606: 10 %.</li> </ul>	
															<ul style="list-style-type: none"> <li>- HPJSM, DISMANTELLED THE MAST IN TWO PIECES.</li> <li>- MOVED MUD SYSTEM &amp; SPOTTED SAME TO NEW LOC.</li> <li>- GENERAL R/D OPERATIONS.</li> </ul>	
															<ul style="list-style-type: none"> <li>- DAYS SINCE RIG RELEASE: 2 DAYS &amp; 5 HRS</li> <li>- RIG MOVE DISTANCE FROM HWYH-53 TO HWYH-606: 35 KM.</li> </ul>	
															<hr/> >> WELL HWYH-53 SECURED W/ 4-1/2" PX-PLUG SET @ 4978'. >> WELL HWYH-606 SECURED W/ PX PLUG SET @ 4964' BY RPKU-2	
11.0	1800 - 0500	0-1		N	SUSP	OTH	NA	RIG	9722	9722					SUSPEND ALL TANDEM LIFT OPERATIONS DURING NIGHT TIME.	

>> ODF CORR: .

>> DPM TO WLM: .

## **==CCA MONITORING**

== SAFETY

- HOLD DAILY SAFETY MEETING WITH RIG CREW.  
===== RENTAL TOOLS & EQUIP =====**

=====ARAMCO POB =====

- SAWOD SAFETY ADVISOR AMR ELGOHARY ID# 8089166 ON LOCATION.
  - ===== DIESEL CONSUMPTION =====
  - DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) = DAILY 18 BBLS / CUMULATIVE FOR CURRENT WELL: 36 BBLS
  - ===== TRUCKS VAC, WATER & GARBAGE =====
  - 01 RAW WATER TANKERS (PLATE# 7461- DOOR# 917 ) ON LOCATION FOR WATER SUPPLY.
  - VACUUM TANKER PLATE : 6847 DOOR :897 TWO TRIP.

#### **==NEXT LOCATIONS:**

## Remarks

D&WO Morning Report (Service Providers View)  
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Daily Onshore  
(0500-0500) Saudi Aramco

Date <b>MONDAY</b> 02/27/2023	Well No (Type) : <b>SDGM-293</b> <b>(EXTEND 7" LINER TO 40 SURFACE)</b> Charge #: <b>(61- 22054-0293)</b> Wellbores: (0- SDGM_293_1 1)	Rig <b>ADES-</b> Engineer Superintendent	Foreman(s) <b>HAJRI, EID MUBARAK/ ALDAHRI, YASER ABDULLAH/ BEAIK, HASAN MAHDY/ ALSUBAIE, ABDULAZIZ BANDAR/ ALSAYARI, OMAR MOHAMMED/ ALDOSARI, ABDULRAHMAN MUTLAQ</b>
THURAYA <b>0088-216-777-12550</b>	RIG FORMAN VSAT <b>013-572-3417 ( FOREMAN )</b>	RIG FORMAN VSAT <b>013-574-7793 ( FOREMAN )</b>	CONTRACTOR/CLERK VSAT <b>013-574-7792</b>

Depth	Last 24 hr operations							Next 24 hr plan							Location				Days Since Spud/Comm (Date) Formation tops		
11203	REAM & WASH THROUGH LINER, CHC, SHORT TRIP TO TOL,CHC, RUN 3-7/8" CO BHA INSIDE LINER. STRING PLUGGED, POH & L/D BHA.							M/U & RUN 3-7/8" SLICK CLEAN OUT BHA, CHC, POH & L/D SLICK CLEAN OUT BHA, CHANGE UPPER RAM TO VBR, PT, RUN & SET HALL RBP.							94 KM FROM DHARAN MAIN GATE, WELL CONNECTED TO SDGM GOSP-4.				26.3 (01/31/2023@1900)		
Prev. Depth	Liner Size			TOL	MD			TVD			Last Csg Size	MD	TVD	Footage	Circ %						
11203	4 1/2			5375	8015			6773			9 5/8	4399	4399	0	100						
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations						
00.5	0500 - 0530	0-1		N	CT	CIRC	MPMP	RIG	Start	End	Start	End			CONT. CIRCULATE HOLE CLEAN W/ 84 PCF BRINE UNTIL SHAKER CLEAN. FLOW CHECK, WELL STATIC. - COLLECTED METAL JUNK AT SHAKER.						
02.0	0530 - 0730	0-1		N	CT	RW	BIT	RIG	11203	11203	6560	6680			CONT. RIH 3-7/8" SLICK CO BHA WHILE REAM AND WASH THROUGH 4-1/2" LINER FROM 6560' TO 6680'. - PASS FREE W/O PUMP & ROTATION E/ STD.						
01.5	0730 - 0900	0-1		N	CT	CIRC	MPMP	RIG	11203	11203					HPJSM. PUMP HI-VIS PILL, CIRCULATE HOLE CLEAN W/ 84 PCF BRINE. FLOW CHECK, WELL STATIC.						
06.0	0900 - 1500	0-1		N	CT	ST	STDP	RIG	11203	11203	6680	5366			HPJSM. POH W/ 3-7/8" CO BHA THROUGH 4-1/2" LINER WHILE PUMPING OUT FROM 6680 FT TO TOL @ 5366 FT. - ATTEMPT OT POH ON ELEVATOR, HAD DRAG ON EACH STAND. - NO DRAG OBSERVED WHILE PUMPING OUT.						
02.5	1500 - 1730	0-1		N	CT	CIRC	MPMP	RIG	11203	11203					HPJSM. PUMP HI-VIS PILLS, CIRCULATE HOLE CLEAN W/ 84 PCF BRINE TILL SHAKER CLEAN. FLOW CHECK, WELL STATIC.						
01.5	1730 - 1900	0-1		N	CT	HT	STRG	RIG	11203	11203					HPJSM. RIH W/ 3-7/8" CO BHA THROUGH 4-1/2" LINER CAREFULLY ON ELEVATOR TO 5920 FT. - FILL & CIRCULATE STRG VOL E/ 10 STDs - MONITOR WELL THRU TRIP TANK, STATIC.						
02.5	1900 - 2130	0-1		N	CT	CIRC	MPMP	RIG	11203	11203					OBSERVED STRING IS PLUGGED WHILE FILL UP DP AFTER RIH 10 STDs INSIDE 4-1/2" LINER. ATTEMPTED SEVERAL TIMES TO UN-PLUG STRING, WITHOUT SUCCESS. FLOW CHECK, WELL STATIC.						
00.5	2130 - 2200	0-1		N	CT	ST	STDP	RIG	11203	11203	5920	5000	TF	909569	HPJSM. POH W/ 3-7/8" SLICK CO BHA ON 3-1/2" DP STANDS TO 5000'. - MONITOR WELL THRU TRIP TANK, STATIC.						
00.5	2200 - 2230	0-1		N	CT	HT	STRG	RIG	11203	11203			TF	909569	RACK BACK 3-1/2" HWDP STDs & L/D 4-3/4" DRILLING JAR. - L/D DRILLING JAR @ 22:15 HRS.						
00.5	2230 - 2300	0-1		N	CT	HT	PEL	RIG	11203	11203			TF	909569	CHANGE HANDLING TOOLS TO 2-3/8" EQUIPMENT.						
02.0	2300 - 0100	0-1		N	CT	HT	STRG	RIG	11203	11203			TF	909569	CONT. POH W/ 3-7/8" SLICK CO BHA WHILE RACK BACK 2-3/8" DP STDs ON DERRICK TO 7" TOL @ 2123'. - MONITOR WELL THRU TRIP TANK, STATIC.						
00.2	0100 - 0115	0-1		N	CT	CIRC	MPMP	RIG	11203	11203			TF	909569	FLOW CHECK @ 7" TOL, WELL STATIC.						
01.8	0115 - 0300	0-1		N	CT	HT	STRG	RIG	11203	11203			TF	909569	CONT. POH W/ 3-7/8" SLICK CO BHA WHILE RACK BACK 2-3/8" DP STDs ON DERRICK TO TOP OF BHA. - MONITOR WELL THRU TRIP TANK, STATIC.						
00.2	0300 - 0315	0-1		N	CT	CIRC	MPMP	RIG	11203	11203			TF	909569	FLOW CHECK, WELL STATIC.						
01.8	0315 - 0500	0-1		N	CT	HT	BHA	RIG	11203	11203			TF	909569	POH AND L/D 3-7/8" SLICK CO BHA. FOUND 3-7/8" ECONO MILL, BIT SUB & 3' OF 2-3/8" DP IS FILLED AND PLUGGED WITH METAL SHAVINGS. - MONITOR WELL THRU TRIP TANK, STATIC.						

## Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
27 Feb 2130 - 0500	7.5	7.5	909569		TF	FOT	FV	RIG	5920	OBSERVED STRING IS PLUGGED WHILE FILL UP DP.

- ODF CORRECTION = -5 FT.

REFERENCES

- SERVICES**

- AL-AJINAH RAW WATER TANKER: RW-303 PLATE#6559-U J A, RW-330 PLATE#6589-U J A, RW-322 PLATE#6557-UJA.  
- AL-SHUREF RAW WATER TANKER# 253 PLATE#2585-J A

--- RENTAL EQUIPMENT ON LOCATION ---

- OILSERV 4-3/4" SUPER FISHING JAR SN# PWO-US01-A55617-01 ON LOCATION SINCE FEB 8, 2023 (19:30).
  - OILSERV 4-3/4" FISHING BUMPER SUB SN# PWO-US01-A23566-12 ON LOCATION SINCE FEB 8, 2023 (19:30).
  - OILSERV 4-3/4" FISHING INTENSIFIER SN# LOG000288037-03 ON LOCATION SINCE FEB 8, 2023 (19:30).
  - OILSERV 4-3/4" HM DRILLING JAR SN# HJD-475-0064 ON LOCATION SINCE FEB 23, 2023 (13:30).
  - WED 9-5/8" CGS SCRAPER SN# 1672120 ON LOCATION SINCE FEB 7, 2023 (12:20).

7 ON LOCATION SINCE FEB 7, 2023 (12:30).

- 3 EA X WFD 7" STRING MAGNET SN#2341395, SN#2341394, SN#1592007 ON LOCATION SINCE FEB 17, 2023 (12:30).
  - 3 EA X WFD 7" STRING MAGNET SN#2341395, SN#2341394, SN#1592007 ON LOCATION SINCE FEB 14, 2023 (20:00).
  - 3 EA X WFD 7" STRING MAGNET SN#1500463, SN#1935164, SN#1751122 ON LOCATION SINCE FEB 16, 2023 (21:30).

05078, SN#276230, ON LOCATION SINCE FEB 16, 2023 (21:30).

## DIESEL CONSUMPTION FOR CUMMINS ISB (ISL) ENGINE (TANDEM AXLE)

- DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) = (DAILY: 19.49 BBL / NEXT WELL)

~~32. STIR OUT 100% LOCATION 100%~~

- UTMN-56: KOM DONE ON 10/26/2022, STRIP OUT 100%, LOCATION 100%.

22. STRIP OUT 90%. LOCATION 90%.

- HWYH-49: KOM DONE ON 10/27/2022. STRIP OUT 00%. LOCATION 00%.

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- OILSERV PROVIDE ACID TANK W/ 100 BBLS 20 % HCL FROM 17-FEB-2023.

## Remarks

Lateral

BIT DATA	14													
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
Miscellaneous	BOP Test	BOP Drills	Wind	Sea	Weather	DSTLA	Safety Meeting							
	<b>02/24/2023</b>	<b>AS REQUIRED</b>	<b>NORMAL</b>	<b>N/A</b>	<b>SEASONAL</b>	<b>3820</b>	<b>TOURLY SAFETY MEETING AS REQUIRED.</b>							
	Real-Time Data Quality								No Transmission					
Personnel and Services Information	COMPANY	HTD	RIG	RIG	OES	BFW	OJR	RIG	OTH	HCB	ARM			Total <b>74</b>
	CATEGORY	CSV	CTRG	RIG	DFMS	WMFE	JST	OTHR	VAC	BRCR	WSC			
	NO. OF PERSONS	3	15	39	1	1	0	7	4	1	3			
	OPERATING HRS.	0	0	24	24	24	0	24	12	0	24			
	ON LOCATION HRS.	24	24	24	24	24	0	24	24	24	24			
Trucks/Boats	Standby/Tankers	<b>ARAMCO P/U DH-7558 4 X WATER TANKERS</b>												
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS		Barite- SX		Bentonite - SX		Cement G- SX					
REPAIR ASAP	Instrumentation	Other							<b>1500</b>					Reporter
	Computer, Communication & V-Sat Issues													

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Date	Well No (Type) :	Rig	Foreman(s)	BOULABEIZ, MOHAMED-LOTFI / YANG, NING / ALGHAMDI, FAHAD ABDULAZIZ / SAAR, MUHAMMAD / SHAIKH, ALI JAFER				
MONDAY 02/27/2023	UTMN-3117 (MK-1 PRESET TARGETING KFBC) Charge (66- 22057- #: 3117) Wellbores: (0) UTMN_3117_0	ADES-144	Engineer Superintendent	THURAYA	RIG FORMAN VSAT 00-882-167-771-1115	OTHER VSAT 013-572-5057	CONTRACTOR/CLERK VSAT 013-572-5529	CONTRACTOR/CLERK VSAT 013-572-7159
								0112687240

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
12530	LAND TBG HGR. P-TEST TBG AND TCA. SET BRIDGE PLUG AND BPV, N/D 10K CLASS A BOP, N/U FROM UTMN-KM SOUTH OF UDH BRIDGE, CROSS TBG BNT AND X-MAS TREE & P/T SAME, FINAL DRIFT, SECURE WELL RELEASE RIG	RIG MOVE 3117 TO UTMN-2343	ON DH TO HARADH HIGHWAY, +/- 2 HIGHWAY TO EAST & CONT ON SKID ROAD.	40.0 (01/18/2023@0500)	JILH 9950 1 FT SHALLOWER JLDM 10180 7 FT SHALLOWER BJDM 10280 55 FEET SHALLOWER SUDR 11350 7 FT DEEPER SDDM 11624 4 FT DEEPER BSRD 11652 36 FT SHALLOWER KHFF 11937 5 FT DEEPER KFAC 11985 6 FT DEEPER KFBC 12110 07 FT DEEPER

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
12530	7	10004	12527	12120	9 5/8	10320	10320	0	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Start	End	Start	End	Summary of Operations	
									Start	End						
02.0	0500 - 0700	0		C	COMP	CIRC	MPMP	RIG	12530	12530					CONT DISPLACE TO BRINE AS FOLLOWING; ALL RATES AT 03 BPM. PUMP AHEAD 25 BBLS HI VIS XC SPACER PILL, 70 PCF NACL BRINE (600 BBLS), 10 BBLS HI-VIS XC CACL2 BRINE SPACER FOLLOWED BY 70 PCF CACL2 BRINE (167 BBLS). > FLOW CHECK - STATIC	
01.0	0700 - 0800	0		C	COMP	RPCS	TBGR	BCR	12530	12530	0	35			P/U LANDING JT AND M/U TO VG TBG HGR AND RIH SLOWLY. DRAIN BOP, STING IN & LAND TBG HGR AS PER VG. LOCKDOWN TBG HGR, SCREW IN THE LOCK DOWN SCREWS ON THE TUBING SPOOL. >VG TBG HGR: (PN# R89155-20H203 REV. N.C SN# 531-018424-A-001).	
00.5	0800 - 0830	0		C	COMP	PTST	TBG	RIG	12530	12530					HPJSM; M/U HARD LINES AND P/T SAME TO 6,000 PSI - OK.	
01.5	0830 - 1000	0		C	COMP	PTST	TBG	RIG	12530	12530					PJSM, SLB CMT UNIT PERFORM TESTS: - WITH TBG OPEN; TEST TCA TO 5,000 PSI FOR 30 MIN WITH NACL - OK. (6 BBL PUMPED/RETURNED). - WITH TCA OPEN; TEST TBG TO 5,000 PSI FOR 30 MIN WITH CACL2 - OK. (10 BBL PUMPED/RETURNED).	
03.0	1000 - 1300	0		C	COMP	SET	PLUGN	SPL	12530	12530	0	2500			PJSM; R/U SAPESCO SLICK LINE W/LUBRICATOR. > BRUSH RUN THRU UPPER R-NIPPLE. > RUN/SET FIRST PRR PLUG AT UPPERR-NIPPLE @ 2,500'. > CHECK SET RUN & PULL TEST TO 1,200 LBS. > PRONG SET IN PRR PLUG	
01.5	1300 - 1430	0		C	COMP	SET	BP	WBP	12530	12530	0	1000			PJSM; R/U SAPESCO SLICK LINE W/LUBRICATOR, RIH ON S/L & SET WFD RBP AT 1,000'. POOH R/D S/L & L/D LANDING JT.	
01.0	1430 - 1530	0		C	WH	SET	BPV	ARM	12530	12530					GWS RUN AND SET 4" BPV INTO TBG HGR.	
02.5	1530 - 1800	0		C	BOP	ND	BOP	RIG	12530	12530					HPJSM; N/D 13-5/8" 10 M CLASS "A" BOP STACK AND RELATED EQUIPMENT.	
02.0	1800 - 2000	0		C	WH	NU	TREE	CAM	12530	12530					HPJSM, N/U VG 10M 11" X 7-1/16" 10M TBG BONNET WITH 4" 10M MLMV, PRESSURE TEST TBG BONNET PACK-OFF, VOIDS AND TBG HGR SEAL TO 7,500 PSI HOLD FOR 10 MINS- OK. > T. BONNET: PN# R149083-1 REV.J SN# DJ4793520 > STEM TOWARDS THE EAST.	
02.0	2000 - 2200	0		C	WH	NU	TREE	CAM	12530	12530					HPJSM, N/U 4-1/16" 10M CIW X-MAS TREE. > (PN: 2201888-0400983 SN: 121926336-01).	
01.0	2200 - 2300	0		C	WH	SET	BPV	ARM	12530	12530					RETRIEVE BPV & INSTALL TWCV. TEST TREE & MLMV TO 10,000 PSI, OK. RETRIEVE TWCV.	
01.5	2300 - 0030	0		C	COMP	RTRV	PLUGT	SPL	12530	12530					HPJSM; R/U SAPESCO SLICK LINE W/ BOP & LUBRICATOR, RETRIEVE WEATHERFORD BRIDGE PLUG @ 1000'.	
01.2	0030 - 0145	0		C	COMP	RTRV	PLUGN	SPL	12530	12530					R/U SAPESCO SLICK LINE W/LUBRICATOR, RETRIEVE PRONG & PR-PLUG FROM UPPER R-NIPPLE.	
01.0	0145 - 0245	0		C	COMP	DTU	DRFT	SPL	12530	12530					RUN FINAL DRIFT WITH 3.625" OD TO 11,700' (40 INC). POOH SLICK LINE & R/D LUBRICATOR.	
01.0	0245 - 0345	0		C	WH	SET	BPV	ARM	12530	12530					GWS INSTALL BPV.	
01.2	0345 - 0500	0		C	WH	OTH	NA	IWS	12530	12530					CAMERON REP SECURED WELL BY CLOSING ALL WELLHED VALVES AND CHECK ALL VALVES WORKING - OK. INSTALL ALL FLANGES, CLEAN WELLHEAD AND CELLAR, INSTALL NAME PLATE ON TREE, CONFIRMED CLEAN MUD PITS & SHAKER AREA AND CHECK ALL CCA PRESSURES (0 PSI).	
00.0	0459 - 0459	0		S	OT	RELS	NA	RIG	12530	12530					RELEASE WELL UTMN-3117.	

UTMN-3117 IS PLANNED AS MK-1 PRESET WELL TARGETING KHUFF-B LOCATED IN THE SOUTHERN PART OF UTHMANIYAH AND TO BE DRILLED TO TD AT +/- 12,529 FT MD / 12,133 FT TVD. PRE-SET THE 4 1/2" LINER INSIDE KFBC AND THREE LATERALS 2,500 FT FOR EACH LATERAL WILL BE DRILLED WITH (UBCTD) TARGETING KHFB RESERVOIR. IN ADDITION, UTMN-3117 IS LOCATED WITHIN KHUFF-B, KHUFF-C AND UNZC RESERVE LIMIT AND IN TRIPLE PAD WITH DRILLED UTMN-3069 WELL AND UTMN-3134 WELL.

#### =====ARAMCO PERSONNEL=====

- RIG CLERK PERUMAL RAMANAN #8544200 ON LOCATION 06/09/2022.
- DOECD FCT SHUBAILI ASIRI #740317 ON LOCATION SINCE 02/22/2023.
- ABDULLAH F. AL-MOOSA (PDP) #786044 ON LOCATION SINCE 02/22/2023. IN DH FOR COURSE F/ 02/26/2023.
- JAMAL A. AL-AJLAN (PDP) #821820 ON LOCATION SINCE 02/21/2023. IN DH FOR COURSE F/ 02/26/2023.

#### =====ADES PERSONNEL=====

- LAST VISIT OF ADES OPS MANAGER AMR SABER ON 12/19/2022
- LAST VISIT OF ADES HEAD SUPT MOHAMED KHALAF ON 02/07/2023
- LAST VISIT OF ADES SUPT MICHEAL LOVE ON 02/26/2023
- LAST VISIT OF ADES QHSE SUPERVISOR SHABAN MAHMOUD ON 02/15/2023

=====SERVICE COMPANY PERSONAL=====

- EMEC MUD ENGINEER ON LOCATION.
- HES UPPER COMPLETION ON LOCATION ON 2/20/2023 @ 17:00 HRS
- SLICKLINE CREW ON LOCATION ON 2/21/2023 @ 17:00 HRS.
- BAKER POWER TONG ON LOCATION SINCE 02/22/2023 AT 17:00.
- CIW HAND ON LOCATION SINCE 02/25/2023 AT 17:00 HRS.
- SAMAA ARRIVE LOCATION SINCE 02/25/2023 AT 17:00 HRS.
- SLB PUMP UNIT ON LOCATION SINCE 02/25/2023 AT 12:00.

=====RENTAL TOOLS=====

- NONE

=====HSE=====

PRE-TOUR MEETING TOPICS:

1. GDD SAFETY TOPIC FEB.2023, ELECTRICAL SAFETY.
2. HSE ALERT 15-23 - 911 EMERGENCY REPORTING.
3. HSE ALERT 16-23 - IMPORTANCE OF JOURNEY.
4. HSE ALERT 17-23 - USE OF NON-CERTIFIED LIFTING POINTS RESULTED IN PROPERTY DAMAGE.
5. SLICK LINE SAFETY PROCEDURES.
6. PREPARATION FOR UPCOMING RIG MOVE OPERATIONS.
7. USE WAH TOOLS AND SUSPENSION TRAUMA, FULL PPE WHILE WORKING AT MONKEY BOARD.
8. REVIEW LOTO PROCEDURES AND PTW, PTW/LOTO AUDIT CHECK LIST FINDINGS.
9. REVIEW SHIELD CARDS AND SWA.

DRILLS: NIL

NEAR MISS: NIL

=====GDD COST OPTIMIZATION=====

- KILL MUD: NONE.
- FRAC TANK: NONE.
- ACID FOR STUCK: NONE.

=====WATER CONSERVATION=====

- CONSTRUCTED TWO SEPARATED WASTE PITS FOR WBM AND OBM.
- DID NOT FILL WATER PIT UTILIZING THE WATER WELL DIRECT TO THE WATER TANKS.
- SET WATER PIT WITHOUT FILL UP LINE, DIRECTLY FILL UP WATER TANKS.
- WATER WELLS UTMN-926; UTMN-938.

=====VACUUM TANKER AND DUMP TRUCK ON LOCATION=====

AJINAH VAC TANKER SUDATH DRSS#1003828990 DOOR#2008-85 PLATE#1155 TRA START FROM 10/18/22, F/ 06.45:00 TO 16:00 - 3 TRIPS  
AJINAH VAC TANKER MOHAMMAD KHURSHID DRSS#1003840563 DOOR#2008-58 PLATE#TRA-1171 START FROM 2/23/23, F/ 11.30 TO 16:00 - 2 TRIPS  
AJINAH VAC TANKER JAREESH NAWAB DRSS#1003830016 DOOR#2008-37 PLATE#BRA-3951 START FROM 2/19/23, F/ 06.30.30 TO 16:00 - 3 TRIPS  
AJINAH VAC TANKER CHARANJIT DRSS#1003840563 DOOR#2008-14 PLATE#3671 BRA START FROM 02/23/23, F/ 06.45:00 TO 16:00 - 3 TRIPS

AJINAH DUMP TRUCK MOHAMMAD YUSUF ALI DRSS#1003851103 DOOR# 2-1201 PLATE# RKA 6536 START FROM 02/21/23, F/ 06.45:00 TO 16:00 - 2 TRIPS

=====NEXT LOCATION=====

- UTMN-2343, STILL UNDER CONSTRUCTIONS, 95%

Remarks

DRILLING ENGINEER SAAR MUHAMMAD # 722849 ON LOCATION FOR UPPER COMPLETION JOB.

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS													
MUD DATA																						
MUD TREATMENT																						
BIT DATA																						
DRILL STRING																						
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #																						
Miscellaneous																						
BOP Test 02/19/2023		BOP Drills		Wind MODERATE		Sea 0	Weather SEASONAL	DSLTA 7970	Safety Meeting TWICE DAILY													
Real-Time Data Quality			Sensors Quality 63%		Data Frequency 100%		Real-Time Hrs 11.49/24 hrs															
Personnel and Services Information	COMPANY	OTH	HCO	RIG	EMC	MJH	RIG	ARM	SCM	SPL	BCR	OTH	ARM	CAM	GEP	Total <b>121</b>						
	CATEGORY	CTR G	PSSC	RIG	DFMS	SEC	OTHR	OTHR	PCS	SLS	PRS	VAC	WSC	WHES	WHES							
	NO. OF PERSONS	19	1	40	1	6	36	2	3	3	3	1	3	2	1							
	OPERATING HRS.	0	10	24	24	0	12	12	10	24	12	10	24	24	24							
	ON LOCATION HRS.	24	10	24	24	24	24	24	12	24	18	24	24	24	24							
Trucks/Boats	Standby/Tankers <b>AB-5320</b>	AMBULANCE	EMERGENCY BUS																			
BULK	Drill Wtr.-BBLS <b>1500</b>	Pot Wtr.- BBLS <b>500</b>	Fuel- BBLS <b>617</b>	Barite- SX <b>120</b>	Bentonite - SX <b>15</b>	Cement G- SX																
REPAIR ASAP	Instrumentation	Other											Reporter									
Computer, Communication & V-Sat Issues																						

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HRDH-661 (DE COMPLETE, SIDE TRACK INTO TWO HOLE SIZES HORIZONTAL ACROSS KHUFF C )</b>	Rig <b>ADES- 157</b>	Foreman(s) <b>KHELFA, AMIN / ALSULIMANI, HASSAN WADEI / SAYGH, ALI ABDULLAH / SAEGH, ABDULLAH SULIMAN</b>
			THURAYA RIG FORMAN VSAT OTHER VSAT FAX VSAT CONTRACTOR/CLERK <b>008821677711298 577-5683</b> RIG CLERK: 5775736 880-7317 880-7312 VSAT

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>0</b>	<b>RIG DOWN ON HRDH-1851 &amp; RIG MOVE TO HRDH-661.</b>	<b>RIG DOWN ON HRDH-1851 &amp; RIG MOVE TO HRDH-661.</b>	<b>DISTANCE FROM DH 280</b>	<b>0.0 (@)</b>	
Prev. Depth <b>0</b>	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage <b>0</b> Circ %

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations					
									Start	End	Start	End	HELD SAFETY MEETING WITH ALL RIG MOVE PERSONNEL. REVIEW THE RIG MOVE INCIDENTS. HIGHLIGHT TO ALL THAT ANYONE HAS THE AUTHORITY TO STOP THE UNSAFE OPERATIONS. ALL RIG MOVE OPERATORS / RIGGERS / PUSHERS CERTIFICATION VERIFIED . WORK PERMITS ARE REVIEWED AND APPROVED > HOLD RIG MOVE SAFETY MEETING WITH ALL PERSONNEL.					
08.5	2030 - 0500	0		N	RM	RD	NA	RIG	0	0			<b>RIG DOWN ON HRDH-1851, RIG MOVE TO HRDH-661.</b> -GENERAL RIG DOWN -R/D TDS -R/D BOP WINCH . -R/D KOOMEY UINT -DISCONNECT MUD LINE AND WATER LINE BETWEEN MUD TANKS, MUD TRANSFER LINE FOR CEMENT TANK, AND MUD TANKS. -R/D STANDPIPE MANIFOLD AND CHOKES MANIFOLD. -PREPARE MAST AND SUP BASE FOR LOWRING. <b>R/D 5%, R/M 5%, R/U 0%</b>					

WORKOVER OBJECTIVE: DECOMPLETE, SIDETRACK & DRILL RE ENTRY (2 HOLE SIZE) HORIZONTAL ACROSS KHUFF C IN THE MINIMUM STRESSSS DIRECTION AND COMPLETE USING 15K OH MSF OR 15 K CEMENTED LINER.

=====ARAMCO PERSONNEL=====

- ARAMCO FOREMAN NIZAR ALHAJJI AHMED #294403 IN OFFICE FOR OE ASSIGNMENT.
- MATERIAL EXPEDITOR AHMED ALOBAID ON LOCATION 02/15/2023.
- FCT ABDULALSALAM ALHARBI ON LOCATION 02/20/2023.
- ARAMCO HSE ADVISOR ANIRBAN DUTTA # 8387675 ON LOCATION.

===== RIG VISIT =====

=====THIRD PARTY PERSONNEL AND TOOLS ON LOCATION=====

- EMEC MUD ENG ON LOCATION.

- DISCUSSED: ADES HSE ALERT # 01-2023, HSE ALERT # 02-2023, RIG FLOOR HAZARDS AND PRECAUTIONS AWARENESS.

- DRILLS: NONE.

- NEAR MISS: NONE

- INCIDENT: NONE.

- CEHA AUDIT: TOTAL FINDINGS = 27, CLOSED = 23, OPEN = 4.

- 1ST QTR MCI: 2023, TOTAL FINDINGS=34, CLOSED=29, OPEN=5.

- IMPLEMENTING CLOSED LOOP DRILLING PRACTICE.

=====W6/W7/WELLSITES=====

=====WELL SCHEDULE=====

NEXT WELL HRDH-1867, PRE-SET UNZC, PRE-WORKOVER MEETING DONE ON 01/04/2023, STRIP OUT 0%, LOCATION PREPARATION 0%.

NEXT WELL HRDH-1242 PRE-SET UNZC, PRE-WORKOVER DONE ON 11/24/2022, STRIP OUT 100%, LOCATION PREPARATION 0%.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS						
MUD DATA															
MUD TREATMENT															
BIT DATA															
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #	
Miscellaneous	BOP Test	BOP Drills		Wind		Sea		Weather		DSLTA				Safety Meeting	
										4189					
	Real-Time Data Quality						No Transmission								
Personnel and Services Information	COMPANY	ARM	OTH	EMC	RIG	ARM	OTH								
	CATEGORY	WSC	CTRGS	DFMS	RIG	OTHR	VAC								
	NO. OF PERSONS	2	16	1	40	4	12								Total <b>75</b>

OPERATING HRS.	5	0	0	5	5	5
ON LOCATION HRS.	5	5	5	5	5	5

Trucks/Boats	Standby/Tankers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX	
REPAIR ASAP	Instrumentation	Other					Reporter

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Date	MONDAY 02/27/2023	Well No (Type) :	Rig	Foreman(s)
		HRDH-1851 (TO SIDE TRACK , DRILL THE WELL ONE-HOLE SIZE TO TOP OF UNYZ-B/C RESERVOIR AS PRE SET WELL.)	ADES- 157	KHELFA, AMIN / ALSULIMANI, HASSAN WADEI/ SAYGH, ALI ABDULLAH/ Superintendent SAEGH, ABDULLAH SULIMAN
		Charge (71- 22058- #: 1851) Wellbores: (0- 1) HRDH_1851_1	THURAYA 008821677711298 577-5683	RIG FORMAN VSAT OTHER VSAT RIG CLERK: 5775736 880-7317 FAX VSAT CONTRACTOR/CLERK VSAT 880-7312

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
14723	N/D BOP, N/U BONNET, NU TREE, RETRIEVE BPV, S/L RETR BP & PR PLUG, DRIFT TBG. INSTALL BPV, SECURE WELL & RELEASE RIG .	RIG DOWN ON HRDH-1851 & RIG MOVE TO HRDH-661.	DISTANCE FROM DH 288 KM	37.4 (01/20/2023@0230)	BSRD 12160 (12146' TVD) 7' SHALLOWER KHFF 12516 (12490' TVD) 9' SHALLOWER (12510' TVD) 10' KFAC 12537 SHALLOWER KFBC 12657 (12625' TVD) 9' SHALLOWER (12672' TVD) 11' KFB1 12705 SHALLOWER KFB2 12809 (12772' TVD) 10' SHALLOWER KFB3 12883 (12844' TVD) 1' SHALLOWER (12876' TVD) 12' KFB4 12916 SHALLOWER KFB5 12957 (12915' TVD) 35 SHALLOWER (12989' TVD) 13' KFB6 13033 SHALLOWER (13055' TVD) 13' KFB7 13102 SHALLOWER KFCC 13166 (13118' TVD) 13' SHALLOWER KFDA 13453 (13390' TVD) 10' SHALLOWER BKDC 14038 (13902' TVD) 16' SHALLOWER PKFU 14135 (13978' TVD) 15' SHALLOWER UNZC 14717 (14358.7' TVD) 17.3 SHALLOWER

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
14723	4 1/2	11467	14720	14363	9 5/8	10750	10742	0	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
00.5	0500 - 0530	0-1		C	WH	SET	BPV	ARM	14723	14723			R/U ARAMCO GWS. INSTALL 4" BPV IN CIW TUBING HANGER. R/D GWS.
01.0	0530 - 0630	0-1		C	BOP	ND	BNIP	RIG	14723	14723			R/D BELL NIPPLE, MOUSE HOLE & C/WALK.
03.5	0630 - 1000	0-1		C	BOP	ND	BOP	RIG	14723	14723			N/D 11"-10M CLASS-A BOP STACK AND RELATED EQUIPMENT.
01.8	1000 - 1145	0-1		C	WH	NU	WH	CAM	14723	14723			INSTALL 11" X 4-1/16"-10M CAMERON TBG BONNET W/LMMV, P/T VOID TO 7500 PSI OK.
02.2	1145 - 1400	0-1		C	WH	NU	TREE	GEP	14723	14723			INSTALL 4-1/16"-10M VG BAKER X-MASS TREE WITH FMC WING VALVE.
00.5	1400 - 1430	0-1		C	WH	SET	BPV	ARM	14723	14723			GWS REMOVE 4" BPV & INSTALL TWCV INTO TUBING HANGER.
00.8	1430 - 1515	0-1		C	WH	PTST	TREE	GEP	14723	14723			PRESSURE TEST TREE & LMMV TO 300 PSI LOW / 10,000 PSI HIGH. HELD OK.
00.5	1515 - 1545	0-1		C	WH	SET	BPV	ARM	14723	14723			REMOVE 4" TWCV FROM TUBING HANGER.
03.2	1545 - 1900	0-1		C	COMP	DTU	GAUG	SLL	14723	14723			R/U SLB S/L LUBRICATOR P/T TO 1000 PSI. >>RIH & RET INTERWELL BP. L/D PLUG. >>RIH & RET PR PLUG FROM UPPER R-NIPPLE. >>FINAL DRIFT WITH 3.625" GC TO 14500' (50DEG). NO OBSTRUCTION
00.5	1900 - 1930	0-1		C	WH	SET	BPV	ARM	14723	14723			RIG INSTALL 4" BPV INTO TUBING HANGER.
01.0	1930 - 2030	0-1		C	WH	NU	TREE	GEP	14723	14723			SECURE WELL HEAD, CHECK TCA AND ALL CCA PRESSURES (0 PSI). INSTALLED BLIND FLANGES, CLOSE ALL WELL HEAD VALVES, INSTALL WELL NAME PLATE. >> CLEAN MUD TANKS AND CELLAR AREA. WORK ON RIG RELEASE CHECKLIST. - TBG = 0 PSI. - TCA = 0 PSI. - ALL CCA = 0 PSI.
00.0	2030 - 2030	0-1		S	OT	RELS	NA	RIG	14723	14723			RELEASE RIG ON FEBRUARY 26TH, 2023 AT 20:30 HRS FROM HRDH-1851 TO HRDH-661.

WORKOVER OBJECTIVE: SIDETRACK & RE-ENTER THE WELL IN ONE-HOLE SIZE TO TOP OF UNYZ-B/C RESERVOIR AS A PRE-SET WELL FOR FUTURE UBCTD INTERVENTION AND COMPLETE THE WELL WITH 4-1/2" CEMENTED LINER ON BAKER LINER HANGER AND S-3 PRODUCTION PACKER ON 4-1/2" CS TUBING.

=====ARAMCO PERSONNEL=====

- ARAMCO FOREMAN NIZAR ALHAJJI AHMED #294403 IN OFFICE FOR OE ASSIGNMENT.

- MATERIAL EXPEDITOR AHMED ALOBAID ON LOCATION 02/15/2023.

- FCT ABDULALSALAM ALHARBI ON LOCATION 02/20/2023.

- ARAMCO HSE ADVISOR ANIRBAN DUTTA # 8387675 ON LOCATION.

===== RIG VISIT =====

=====THIRD PARTY PERSONNEL AND TOOLS ON LOCATION=====

- EMEC MUD ENG ON LOCATION.

- NPS FLUID PUMP ON LOCATION.

- BAKER COMPLETION ENGINEER ON LOCATION.

- ODFJELL POWER TONG ON LOCATION.

- SLB SLICKLINE ON LOCATION.

- BAKER FILTRATION ON LOCATION.

- CAMERON ON LOCATION.

- SAMAA ON LOCATION.

- FMC ON LOCATION.

=====

- DISCUSSED: ADES HSE ALERT # 01-2023, HSE ALERT # 02-2023, RIG FLOOR HAZARDS AND PRECAUTIONS AWARENESS.

- DRILLS: NONE.

- NEAR MISS: NONE

- INCIDENT: NONE.

- CEHA AUDIT: TOTAL FINDINGS = 27, CLOSED = 23, OPEN = 4.

- 1ST QTR MCI: 2023, TOTAL FINDINGS=34, CLOSED=29, OPEN=5.

- IMPLEMENTING CLOSED LOOP DRILLING PRACTICE.

=====W6/W7/WELLSITES=====

=====WELL SCHEDULE=====

NEXT WELL HRDH-661, 2 HOLE SIZE KHUFF-C LATERAL. PRE-WO MEETING DONE ON NOV 28TH. STRIP OUT 100%, LOCATION PREPARATION 100%.

NEXT WELL HRDH-1867, PRE-SET UNZC, PRE-WORKOVER MEETING DONE ON 01/04/2023, STRIP OUT 0%, LOCATION PREPARATION 0%.

NEXT WELL HRDH-1242 PRE-SET UNZC, PRE-WORKOVER DONE ON 11/24/2022, STRIP OUT 100%, LOCATION PREPARATION 0%.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS		
MUD DATA											
MUD TREATMENT											
BIT DATA											
DRILL STRING											
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #											
BOP Test		BOP Drills		Wind		Sea		Weather			
02/22/2023		2		NORMAL		ONSHORE		SEASONAL			
Miscellaneous		DSLTA		Safety Meeting		4189		PTW & JSA PROCEDURES			
Real-Time Data Quality			Sensors Quality			0%		Data Frequency			
Real-Time Data Quality			0%			100%		Real-Time Hrs			
Real-Time Data Quality			11.49/24 hrs								
Personnel and Services Information	COMPANY	GEP	OTH	RIG	EMC	RIG	ARM	SLL	OTH		
	CATEGORY	WHES	CTRG	RIG	DFMS	OTHR	OTHR	SLS	VAC		
	NO. OF PERSONS	1	16	40	1	13	4	3	3		
	OPERATING HRS.	6	0	15	0	15	12	3	10		
	ON LOCATION HRS.	15	15	15	15	15	15	15	15		
Trucks/Boats		Standby/Tankers		AB-5541							
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX					
REPAIR ASAP	Instrumentation	Other					Reporter				
Computer, Communication & V-Sat Issues											

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Total  
85

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>BRMH-11 (OIL- EVALUATION/PRODUCER IN BRMH.)</b> Charge #: <b>(66- 22004- 0011)</b> Wellbores: (0) BRMH_11_0	Rig <b>ADES- 158</b>	Foreman(s) Engineer Superintendent <b>ELAGAMI, AYMAN AHMED/ SALHI, ALI/ HUSSAIN, SAJID REHMATULLAH/ HAQWI, MOHAMMED MOSA</b>
		THURAYA <b>+88-216-777-11-295</b>	RIG FORMAN VSAT <b>5773974</b>

Depth <b>0</b>	Last 24 hr operations <b>R/D ON ANDR-790, R/M &amp; R/U ON BRMH-11.</b>	Next 24 hr plan <b>R/D ON ANDR-790, R/M &amp; R/U ON BRMH-11.</b>	Location <b>THE WELL IS LOCATED 1.68 KM S55E OF BRMH-1 AND 2.401 KM S49W OF BRMH-10</b>	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops
Prev. Depth <b>0</b>	Liner Size	TOL MD TVD	Last Csg Size MD TVD	Footage <b>0</b>	Circ %

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations						
									Start	End	Start	End							
12.0	0500 - 1700	0		N	RM	RD	NA	RIG	0	0			<b>HELD SAFETY MEETING WITH ALL CREWS (ADES RIG MOVE CONTRACTORS, RIG CREW, RIGGERS, TRUCK PUSHERS, DRIVERS) DISCUSSED:</b> - GI 2.702 (MOVING DRILLING RIGS, HIGH EQUIPMENT CLEARANCE), GI 7.027 MANBASKET OPERATIONS) & GI 7.028 (CRANE LIFT TYPES AND PROCEDURES) - HAZARDS POTENTIAL & CONCERNED SAFETY ISSUES DURING R/D, LIFTING & MOVING OPERATIONS. - THE PROPER WAY OF LIFTING, WORK AT HEIGHT & USE THE CORRECT EQUIPMENT. - WORK PERMIT FOR EACH HEAVY LIFTING, ELECTRICAL & SIMILAR OPERATION. - STOP WORK AUTHORITY. - OBLIGATION TO ROAD MAP (NO SHORT CUT). - PPE & HOUSEKEEPING.						
12.0	1700 - 0500	0		N	SUSP	OTH	NA	RIG	0	0			<b>===== RIG MOVE SUMMARY =====</b>  ** RIG RELEASED FROM ANDR-790 ON 22-FEBRUARY 2023 @ 12:00. ** R/D: 60 % - R/M: 40 % - R/U: 20%. ** MOVE DISTANCE FROM ANDR-790 TO NEW LOCATION BRMH-11: 582 KM. ** DAYS SINCE RIG RELEASED = 4.7 DAYS, ACTUAL RIG MOVE: 2.00 DAYS. ** PRE-MOVE LOADS: 00. ** TODAY LOADS MOVED: 33. ** TOTAL LOADS MOVED: 136/320.  <b>=====RIG MOVE ACTIVITY=====</b>  ** STAND UP MEETING WITH DAY SHIFT CREW DISCUSSED " ADES ALERT 9-33 IP FALL DOWN BETWWEN TANKS WHILE RIG UP " <b>=====AT ANDR-790=====</b> ** DISASSEMBLY THE MAST SAFELY. ** RIG DOWN DRAW WORK SAFELY . ** LOADING MAIN CAMP JUNIOR SIDE . ** LOADING GRASSHOPPER , VFD , SCR . ** DISASSEMBLING THE SUBBASE --- ON GOING. ** PERFORM CAT III FOR CROWN BLOCK AND TRAVELING BLOCK AND MAST LIFTING PAD EYES -- ON GOING. ** MISCELLANEOUS WORK & HOUSEKEEPING. <b>=====AT BRMH-11=====</b> ** OFFLOAD MUD SYSTEM TANKS ** OFFLOAD MUD PUMPS ** SPOT MAIN CAMP .						

BRMH-11 IS A DUAL-LATERAL EVALUATION / PRODUCER IN UNZA RESERVOIR WITH A PILOT HOLE TO CONFIRM THE RESERVOIR STRUCTURE AND FLUID CONTACTS. THE WELL IS LOCATED IN THE NORTH OF HAWTAH FIELD.  
 THE WELL WILL BE COMPLETED WITH 4-1/2" ICD/SAS, OPEN HOLE MECHANICAL PACKERS AND CONSTRICTORS ACROSS UNAYZAH-A RESERVOIR. ESP AND TUBING WILL BE USED AS UPPER COMPLETION. THE PILOT HOLE WILL BE PLUGGED AND ABANDONED AFTER THE EVALUATION.  
 H2S CONTENT FOR UNZA RESERVOIR IS 0 MOLAR %  
 THIS WELL IS NOT LOCATED IN THE SHALLOW GAS AREA.  
 THIS WELL RESERVOIR IS NOT LOCATED UNDER THE GAS CAP.

**=====PERSONNEL ON RIG =====**

- ARAMCO FOREMAN TRAINEE SHAMAH, MUHANNAD H ID# #812434 ON LOCATION SINCE 02/21/2023
- ARAMCO MATERIAL EXPEDITOR YAHYA AL YAMI ON LOCATION SINCE 02/21/2023.
- ARAMCO PDP FIELD COMPLIANCE COORDINATOR YAZIN ANDIJANI #790186 ON LOCATION SINCE 2/22/2023.
- ARAMCO ADMIN CLERK ENNHI AL SHEHRI KHALED #795737 ON LOCATION 02/25/2023.
- ARAMCO FCT AL QAHTANI SALEM #764471 ON LOCATION SINCE 02/25/2023.

=====FLAT TIME KPI =====

- RIG MOVE KPI: 9.03 DAYS, ACTUAL: XX DAYS (RIG)
- DP TRIPPING KPI: 19 STD/HR / ACTUAL: XX STD/HR. (RIG)
- RUN 24" CSG: 4 JTS/HR, ACTUAL: XX JTS/HR. (BAKER)
- RUN 18-5/8" CSG: 7 JTS/HR, ACTUAL: XX JTS/HR.(BAKER)
- RUN 13-3/8" CSG: 11.5 JTS/HR, ACTUAL: XX JTS/HR.(BAKER)
- RUN 9-5/8" CSG: 14 JTS/HR, ACTUAL: XX JTS/HR. (BAKER)
- RUN 7" LINER: 14 JTS/HR, ACTUAL: XX JTS/HR (BAKER).

=====SAFETY & DRILLS =====

\*PRE-TOUR SAFETY MEETINGS: 2, WEEKLY SAFETY MEETING: 0, SAFETY ALERT DISCUSSED: 2, STOP CARDS: 30, INC/NEAR MISS: 0.

\* H2S RELEASE DRILL: 0, PIT DRILL:0, TRIP DRILL: 0, SWA DRILL: 0, FIRE DRILL: 0, H2S RELEASE DRILL: 0, BOP FUNCTION TEST: 0, CONFINED SPACE RESCUE DRILL:0. ACCUM DRILL: 0. SWA DRILL (0).

\* SAFETY TOPICS DISCUSSED:

- DISCUSS ADES ALERTS 15-22 (DOG HOUSE FLIPPED WHILE RIG DOWN) & DISCUSS HSE ALERT 22-22
- DISCUSS HAND INJURY PREVENTION AND IDENTIFY PINCH POINT
- REVIEW SHEILD CARDS AND UNSAFE OBSERVATIONS DURING RIG MOVE
- ARAMCO LIFESAVING RULES

\* STOP WORK AUTHORITY:12.

\* PERMITS TO WORK: COLD WORK: 9, HOT WORK: 0, MAN RIDER: 0, CONFINED SPACE: 0, RADIOACTIVE PERMIT: 0, DIESEL TRANSFER PERMIT: 0, BUFFER ZONE PERMIT: 0, LIFTING PERSONNEL PERMIT: 2 THIRD PARTY PERMIT: 0, ISOLATION: 0.

=====FLOW METER =====

- RECEIVED NEW CALIBRATED FLOW METER SN# A21034680 ON 02/12/2023 (ON ANDR-790).

=====ARAMCO VEHICLE=====

- AB-6329: LAST PM SERVICE 01/12/2023. NEXT SERVICE PLANNED ON 04/12/2023.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
MUD DATA									
MUD TREATMENT									
BIT DATA									
DRILL STRING									
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #									
Miscellaneous	BOP Test	BOP Drills		Wind	Sea	Weather SEASONAL	DSLTA 4114	Safety Meeting	
	Real-Time Data Quality					No Transmission			
Personnel and Services Information	COMPANY	OTH	RIG	EMC	MJH	RIG	ARM	ARM	Total 77
	CATEGORY	CTR G	RIG	DFMS	SEC	OTHR	OTHR	WSC	
	NO. OF PERSONS	16	39	1	5	9	4	3	
	OPERATING HRS.	0	24	24	0	12	12	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	
	Standby/Tankers								
Trucks/Boats	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX			
BULK									
REPAIR ASAP	Instrumentation	Other							Reporter
	Computer, Communication & V-Sat Issues								

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>UTMN-2025 (MILL 7" LINER, ST &amp; DRILL TWO HOLE SIZES TARGETING JAUF . COMPLETE THE WELL WITH 15K CEMENTED LINER)</b>	Rig <b>ADES-173</b>	Foreman(s) Engineer Superintendent <b>AIOUEZ, FARRID/ BENSALEM, MAKHLOUF/ ALSHAHRANI, YASSER ALI/ SAEGH, ABDULLAH SULIMAN</b>
THURAYA <b>8821677712622</b>	RIG FORMAN VSAT <b>013 576-2329</b>	FAX VSAT <b>013 880-5467</b>	CONTRACTOR/CLERK VSAT <b>013 576-2428</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>15405</b>	RIH, WASH DOWN DUE TO HT, RE-LOG AS PER GOC. DRILL 5-7/8" HOLE SECTION.	DRILL 5-7/8" HOLE TO TD AT +/-16,150' MD / 14,800' TVD (210' TVD INTO TWIL FORM AT 39 INC / 261 AZM).	<b>UTMN-2025</b>	<b>46.8</b> (01/11/2023@0700)	<b>JAUF</b> 14110 63' SHALLOWER <b>MDJR</b> 11007 1' DEEPER <b>SUDR</b> 11834 6' SHALLOWER <b>SDDM</b> 12159 6' SHALLOWER <b>KHFF</b> 12515 12' DEEPER <b>KFAC</b> 12556 SAME AS PRO. <b>KFCC</b> 13131 13' SHALLOWER <b>KC01</b> 13148 5' SHALLOWER <b>KC02</b> 13172 3' DEPPER <b>KC03</b> 13189 1' DEPPER <b>KC04</b> 13207 1' SHALLOWER <b>KC05</b> 13223 2' DEPPER <b>KC06</b> 13238 15' SHALLOWER <b>KC07</b> 13253 15' SHALLOWER <b>KC08</b> 13277 4' SHALLOWER <b>KC09</b> 13294 17' SHALLOWER <b>KC10</b> 13319 11' SHALLOWER <b>KCHD</b> 13408 16' SHALLOWER <b>BKDC</b> 13939 51' SHALLOWER

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>15189</b>	<b>7</b>	<b>10236</b>	<b>13427</b>	<b>12669</b>	<b>9 5/8</b>	<b>10966</b>	<b>10726</b>	<b>216</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations			
									Start	End	Start	End						
<b>02.0</b>	<b>0500 - 0700</b>	<b>0-1</b>	<b>5 7/8</b>	<b>N</b>	<b>DRLG</b>	<b>TI</b>	<b>STDP</b>	<b>RIG</b>	<b>15189</b>	<b>15189</b>	<b>8555</b>	<b>12330</b>	<b>TF</b>	<b>909547</b>	RIH WITH BAKER 5-7/8" RSS & MWD/GR BHA ON 5-1/2" DP STD. - FILL STRING EVERY 20 STAND. - TESTED MWD EVERY 40 STAND. - MAINTAIN TRIP SHEETS - OK.			
<b>04.8</b>	<b>0700 - 1145</b>	<b>0-1</b>	<b>5 7/8</b>	<b>N</b>	<b>DRLG</b>	<b>RW</b>	<b>BIT</b>	<b>RIG</b>	<b>15189</b>	<b>15189</b>	<b>12330</b>	<b>15085</b>	<b>TF</b>	<b>909547</b>	CONNECT TDS AND WASH DOWN DUE TO HIGH DOWNHOLE TEMPERATURE. - AT 12,322 FT 279.8 DEG F.			
<b>02.0</b>	<b>1145 - 1345</b>	<b>0-1</b>	<b>5 7/8</b>	<b>N</b>	<b>DRLG</b>	<b>LOG</b>	<b>LWD</b>	<b>BHI</b>	<b>15189</b>	<b>15189</b>	<b>15085</b>	<b>15189</b>			RE-LOG AT 150FT/HRS AS PER GOC.			
<b>15.2</b>	<b>1345 - 0500</b>	<b>0-1</b>	<b>5 7/8</b>	<b>N</b>	<b>DRLG</b>	<b>D</b>	<b>RSS</b>	<b>BHI</b>	<b>15189</b>	<b>15405</b>					DIR DRILL 5-7/8" HOLE W/ BAKER AUTOTRAK ASSY & MWD/GR. 100% CIRC. - FOLLOW INTEGRATED HORIZONTAL DRILLING PRACTICES (VERSION-3.0) FOR STUCK PIPE AVOIDANCE - PUMP LO-VIS/HI-WT SWEEP AS REQUIRED. - ALLOW BIT TO DRILL OFF & TAKE SURVEY 30 FT OFF BTM. - FLOW CHECK DURING CONNECTION.			

Lost Time Details													
From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID			Type	Cause	Object	Resp Co	Depth	LT Summary	
<b>26 Feb 0645 - 1145</b>	<b>6.75</b>	<b>29</b>	<b>909547</b>				<b>TF</b>	<b>FOT</b>	<b>MS</b>	<b>BHI</b>	<b>15189</b>	<b>BHI MWD LOST SIGNAL</b>	

**WORKOVER OBJECTIVES:**  
 MILL 662' OF 7" LINER, SIDETRACK AND DRILL TWO HOLE SIZES TARGETING JAUF (DEVIATED, 39 DEG INCLINATION, 261 DEG AZIMUTH). COMPLETE THE WELL WITH 15K CEMENTED LINER AND 15K MONO-BORE ANCHOR SYSTEM.

FURTHERMORE, THE TUBING SPOOL WILL BE CHANGED DUE TO THE PHASE OUT OF WOOD GROUP."

=====ARAMCO PERSONNEL=====

> ARAMCO MATERIAL EXPEDITOR ABDULLAH ALKHALDI #8513219 ON LOCATION

> ARAMCO FCT AQEEL ALBAKHEET #780321 ON LOCATION

> HSE ADVISOR AVADHUT YADAV # 8829710 ON LOCATION

=====SERVICE COMPANY PERSONNEL=====

> BAKER DIRECTIONAL ON LOCATION SINCE 2/9/2023

> SLB/MI-SWACO ON LOCATION FOR CLOSED LOOP SYSTEM SINCE 1/26/2023

> BAKER MUD ENGINEER ON LOCATION SINCE 1/26/2023

> HALLIBURTON MUD LOGGING ON LOCATION SINCE 1/28/2023

> SLB/MI-SWACO CENTRIFUGAL ON LOCATION SINCE 2/2/2023

=====RENTAL EQUIPMENT & TOOLS=====

> BAKER HUGHES WELL LINK COMPUTER FOR ONLINE DATA TRANSMISSION, SETUP ON: 01/11/2023.

> NOV 4.75" DRILLING JAR S/N: 380-47799 ON LOCATION ON 02/22/2023 @08:45 HRS. P/U ON 2/24/23 18:00HRS.

=====MILLING DATA=====

=====DIRECTIONAL DATA=====

> FOLLOWING APPROVED DIRECTIONAL PLAN: L-0-1 PLAN#1, REVISION:0

> SENSOR DISTANCE: NBI=5.44' GAMMA=22.91' DIRECTIONAL=36.07'

> POSITION TO PLAN: 1.10' ABOVE & 1.02' LEFT.

=====RIG VISIT=====

=====HSE=====

> DRILLS: 0

> NEAR MISS: NONE.

> OBSERVATIONS: NONE

> SAFETY ALERTS: NONE

> IMPLEMENTING CLOSED LOOP DRILLING PRACTICE.

=====WELLSITE SERVICES=====

> TUWAIRESH SPRAY TANKER DRSS #1003824743 ON LOCATION.

> DOOR NO: 782, PLATE NO: 5088.

> TUWAIRESH VACUUM TANKER ON LOCATION. DRSS #1003824745

> DOOR NO: 1050, 1016 PLATE NO: 3630, 2293.

> VACUUM TANKERS ON LOCATION: 2

=====HSE FINDINGS STATUS=====

> 2ND RHSEI AUDIT TOTAL FINDING: 29 ITEMS, 29 CLOSED, 0 OPEN.

> OE&CG IN HOUSE AUDIT FINDING: 13 ITEMS, 13 CLOSED, 0 OPEN.

> HSE GAP ANALYSIS AUDIT HELD FROM 1/31/23 TO 2/3/2023. CLOSE OUT ON MEETING ON 2/3/23 @ 17:00 HRS.

=====NEXT WELL=====

> #1 NEXT WELL UTMN-3014 PRE-WORKOVER MTG HELD ON 2/1/2023 AT 1:30, STRIP OUT IS REQUIRED - LOCATION 0% READY.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD		N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec		DLS	
0-1	15177		39.21	261.15		120		14037		-410.40		-3645.51		3668.42		0.54	
0-1	15057		38.57	261.02		186		13943.6		-398.72		-3571.08		3593.13		0.09	
MUD DATA	Weight 92 PCF	Funnel Vis. 62 SEC	Filtrate(WL) 1.6 HTHP	Filtrate (WL) API	PV 34	YP 12	Electrical Stability 460 Volts	3/6 RPM 7 / 8	Gels Sec/Min 10 / 14	PH 0	CA PPM 0	CL PPM 16000					
	FL Temp 164	Cake HTHP 1	Cake API 0	Water Vol. % 17	Oil Vol. % 60	Solids Vol. % 23	Sand Vol. % 0	% LGS 6.58	MBT	Mud type MXBROBM	Water Well # UTMN-3538						
	Weight 92 PCF	Funnel Vis. 64 SEC	Filtrate(WL) 1.8 HTHP	Filtrate (WL) API	PV 35	YP 13	Electrical Stability 450 Volts	3/6 RPM 7 / 8	Gels Sec/Min 10 / 15	PH 0	CA PPM 0	CL PPM 18000					
	FL Temp 0	Cake HTHP 1	Cake API 0	Water Vol. % 17	Oil Vol. % 60	Solids Vol. % 23	Sand Vol. % 0	% LGS 6.57	MBT	Mud type MXBROBM	Water Well # UTMN-3538						
	Weight 92 PCF	Funnel Vis. 51 SEC	Filtrate(WL) 2.4 HTHP	Filtrate (WL) API	PV 25	YP 14	Electrical Stability 500 Volts	3/6 RPM 7 / 8	Gels Sec/Min 7 / 10	PH 0	CA PPM 0	CL PPM 18000					
	FL Temp 0	Cake HTHP 1	Cake API 0	Water Vol. % 18	Oil Vol. % 60	Solids Vol. % 22	Sand Vol. % 0	% LGS 7	MBT	Mud type MXBROBM	Water Well # UTMN-3538						
MUD TREATMENT	MRBL-M 1(2200L)	STELSEALFN 24(50LB)	STELSL50 24(50LB)	OMNI-CTE 3(55GL)	CACO3-50 24(25LB)	S-SMUL 3(55GL)	DURATONE 24(50LB)	CAOH2 24(50LB)									
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out						
	17RR	M333	5.875	SMT	JP2186	MR613C	/ 3 X 16 /	0.589	15189	15405							
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP		
											3250	260	142	344.17		33	
DRILL STRING	Float	Y															
	BHA Hrs:	18															
	String Wt.	Pick Up	Slack Off		Rot. Torque		Jars:		/	18		Shock		/	Mud	/	
	300	310	290		6		Serial #/Hrs		/			Sub:		/	Motor:	/	
	Order	Component				Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit				SMT	5.875		5.875		0.67	3-1/2"REG					JP2186
	2	RSS				BHI	4.75	1	5.575	3.626	19.84	3-1/2"IF	31/2"REG				15767549
	3	Measurement While Drilling (MWD)				BHI	4.25	1	4.25	2.61	20.02	3-1/2"IF	3-1/2"IF				13395290
	4	Stabilizer				BHI	4.75	1	4.75	2.61	2.7	3-1/2"IF	3-1/2"IF				14238288
	5	BCPM. Bi-directional Communication and Power Module				BHI	4.75	1	4.75	2.25	17.14	3-1/2"IF	3-1/2"IF				15082904
	6	Stop Sub				BHI	4.75	1	4.75	2.25	2.64	3-1/2"IF	3-1/2"IF				15865626
	7	Stabilizer				BHI	4.75	1	4.75	2.25	5.52	3-1/2"IF	3-1/2"IF				ZIBSSBD5700
	8	Float Sub				BHI	4.75	1	4.75	2	3.37	3-1/2"IF	3-1/2" IF				15673382
	9	Screen sub				BHI	4.75	1	4.75	2.25	5.75	3-1/2"IF	3-1/2"IF				15543665

	<b>10</b>	<b>Screen sub</b>			<b>BHI</b>	<b>4.75</b>	<b>1</b>	<b>4.75</b>	<b>2.25</b>	<b>8.16</b>	<b>3-1/2"IF</b>	<b>3-1/2"IF</b>			<b>WDS0104</b>
	<b>11</b>	<b>Crossover</b>			<b>RIG</b>	<b>4.75</b>		<b>4.75</b>	<b>2.25</b>	<b>1.92</b>	<b>XT39</b>	<b>3-1/2"IF</b>			<b>188745</b>
	<b>12</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>4</b>	<b>3</b>	<b>4.875</b>	<b>2.625</b>	<b>91.3</b>	<b>XT39</b>	<b>XT39</b>			<b>RIG</b>
	<b>13</b>	<b>Hydraulic Jar</b>			<b>NOJ</b>	<b>4.75</b>		<b>4.75</b>	<b>2.25</b>	<b>25.1</b>	<b>XT39</b>	<b>XT39</b>			<b>380-47799</b>
	<b>14</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>4</b>	<b>26</b>	<b>4.875</b>	<b>2.625</b>	<b>791.59</b>	<b>XT39</b>	<b>XT39</b>			<b>RIG</b>
	<b>15</b>	<b>Drillpipe</b>			<b>RIG</b>	<b>4</b>	<b>84</b>	<b>4.875</b>	<b>3.34</b>	<b>31</b>					
Miscellaneous	BOP Test <b>02/24/2023</b>	BOP Drills <b>TWICE A WEEK</b>		Wind <b>NORMAL</b>	Sea <b>ONSHORE</b>		Weather <b>SEASONAL</b>		DSLTA <b>5040</b>	Safety Meeting <b>PRE-TOUR MEETING</b>					
	Real-Time Data Quality		Sensors Quality		<b>88%</b>	Data Frequency		<b>100%</b>	Real-Time Hrs		<b>11.48/24 hrs</b>				
Personnel and Services Information	COMPANY	<b>OTH</b>	<b>BHI</b>	<b>RIG</b>	<b>BDF</b>	<b>OES</b>	<b>NOJ</b>	<b>HMS</b>	<b>RIG</b>	<b>ARM</b>	<b>MI2</b>	<b>OTH</b>	<b>ARM</b>		<b>Total 87</b>
	CATEGORY	<b>CTR G</b>	<b>DPDS</b>	<b>RIG</b>	<b>DFMS</b>	<b>DFMS</b>	<b>JST</b>	<b>MLS</b>	<b>OTHR</b>	<b>OTHR</b>	<b>SCS</b>	<b>VAC</b>	<b>WSC</b>		
	NO. OF PERSONS	<b>17</b>	<b>2</b>	<b>38</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>11</b>	<b>2</b>	<b>5</b>	<b>3</b>	<b>2</b>		
	OPERATING HRS.	<b>0</b>	<b>24</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>12</b>	<b>24</b>	<b>10</b>	<b>12</b>		
	ON LOCATION HRS.	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>		
Trucks/Boats	Standby/Tankers <b>AB-7547</b>	<b>CREW BUS</b>	<b>RIG AMBULANCE</b>												
BULK	Drill Wtr.-BBLS <b>1000</b>	Pot Wtr.- BBLS <b>384</b>	Fuel- BBLS <b>250</b>	Barite- SX <b>26</b>	Bentonite - SX <b>800</b>	Cement G- SX									
REPAIR ASAP	Instrumentation	Other													Reporter
	Computer, Communication & V-Sat Issues														

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>SHDN-24 (RE-ENTER &amp; SIDETRACK THE WELL IN 2 HOLE SIZES AS A SINGLE LATERAL ON UNZA &amp; COMPLETE W/ 15K 4.5" LI)</b>	Rig <b>ADES-174</b>	Foreman(s) <b>GRIBBIN, JEFFREY BERNARD/ VILLARROEL PRINCIPE, GURNEY FELIPE/ LANDAETA CAMACHO, LUIS JOSE/ ALNAEEM, HAMAD AHMED/ ABD RAB ALREDA, SAEED HASSAN</b>
Engineer			
Superintendent			

Depth <b>14999</b>	Last 24 hr operations <b>RIG DOWN AT GHZL-37, RIG MOVE AND RIG UP TO SHDN-24.</b>	Next 24 hr plan <b>RIG DOWN AT GHZL-37, RIG MOVE AND RIG UP TO SHDN-24.</b>	Location <b>SHDN-24</b>	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops
Prev. Depth <b>14999</b>	Liner Size <b>7</b>	TOL <b>9349</b>	MD <b>13800</b>	TVD <b>9 5/8    9860</b>	Footage <b>0</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
<b>24.0</b>	<b>0500 - 0500 0</b>			<b>M</b>	<b>RM</b>	<b>RD</b>	<b>NA</b>	<b>RIG</b>	<b>14999</b>	<b>14999</b>			<b>HPJSM. R/D ON OLD LOCATION GHZL-37, R/M &amp; R/U ON THE NEW LOCATION SHDN-24.</b>  <b>HOLD RIG MOVE SAFETY MEETING WITH ALL PERSONNEL.</b>  <b>&gt; REMOVE MONKEY BOARD</b> <b>&gt; PREPARE MAST FOR SPLITTING IN 2 PIECES.</b> <b>&gt; UNPLUG ALL ELECTRICAL FROM RIG FLOOR</b> <b>&gt; REMOVE GRASSHOPPER, ALL CABLES FROM SCR TO MP, BULL LINE &amp; REMOVE DW RAISING LINES.</b> <b>&gt; LOWER A FRAME</b> <b>&gt; REMOVE ROLLER CROSS BEAM</b> <b>&gt; PLACE ALL SERVICE LOOP ON FIRST SECTION OF MAST</b> <b>&gt; REMOVE ALL ELECTRICAL CABLES AND ROLL UP FRONT OF MAST.</b> <b>&gt; UNPIN MAST AND LAY ON PIPE RACK</b> <b>&gt; REMOVE DW &amp; DW SETBACK</b> <b>&gt; LOAD MUD PUMPS, MIXING HOPPER SKID, GRASSHOPPER SKID &amp; SCR SKID.</b> <b>&gt; SPOT TRIP TANK AND SHAKER TANK ON NEW LOCATION.</b>  <b>&gt; LOADS MOVED TODAY: 31</b> <b>&gt; PREMOVE LOADS: 39</b> <b>&gt; TOTAL LOADS: 132</b> <b>&gt; TOTAL ARAMCO LOADS: 10.</b>  <b>&gt; R/D: 55%.</b> <b>&gt; R/M: 45%</b> <b>&gt; R/U: 10%.</b>  <b>&gt; NEXT PLAN 24 HRS: REMOVE MAST SET BACK, LOAD GRASSHOPPER SKID, UNPLUG ALL CABLES FROM SCR TO ENGINE ROOM &amp; REMOVE SET BACK BEAMS.</b>   <b>&gt; RELEASED THE RIG ON 02/24/2023 AT 17:00 HRS.</b> <b>&gt; DAYS SINCE RIG RELEASED: 2.5 DAY.</b> <b>&gt; DISTANCE BETWEEN OLD &amp; NEW LOCATION: 70 KMS (37 KMS SKID ROAD + 33 KMS BLACK TOP)</b>

#### =====WO OBJECTIVE=====

**> RE-ENTER AND SIDETRACK THE WELL IN TWO-HOLE SIZE AS A SINGLE LATERAL ON UNZA AND COMPLETE WITH 15K 4-1/2" CEMENTED LINER AND ANCHOR.**

#### =====ARAMCO PERSONNEL=====

**> ARAMCO MATERIAL EXPEDITOR MOHAMED ALMAJHAD #8515888 ON LOCATION SINCE 02/11/2023.**

**> ARAMCO HSE ABDULAZIZ ALKAYAL #764232 ON LOCATION SINCE 2/17/2023.**

**> ARAMCO PDP BASSAM ALHARBI #819071 ON LOCATION SINCE 2/23/23.**

#### =====SAFETY=====

> DRILLS: NONE.  
 > NEAR MISS: NONE  
 > HSE ALERTS: NONE.

=====RENTALS=====

=====SERVICE PERSONNEL=====

> EMEC MUD ENG.

=====WELL SITE SERVICE=====

> ALMADEED SPRAY TANKER X 1. DRSS# 1003838243. PLATE: 9214, DOOR: 57-0430.

> VACUUM TANKER WORKING ON WASTE PIT: 04

DRSS# 1003832954. PLATE: 2328KDA, DOOR: 01-22, PLATE: 6410NRA, DOOR: 01-55. 2 TRIPS PER DAY.

DRSS# 1003840145. PLATE: 6273NRA, DOOR: 01-58, PLATE: 6277NRA, DOOR: 01-62. 2 TRIPS PER DAY.

=====NEXT WELL=====

NEXT WELL: 1ST WELL: SHDN-7 (PRE-WO MEETING NOT YET DONE) NDE- STRIP OUT 0%, LOCATION 0%

2ND WELL: HRDH-1801 (PRE-WO MEETING DONE 2/6/2023) PRESET UNZC STRIP OUT 100%, LOCATION 60%

=====RIG MOVE EQUIPMENT=====

15 X FLAT BED

10 X LOW BED

3 X EXT. LOW BED

2 X SIDE RACK

3 X FORKLIFT

2 X CRANE 60

3 X CRANE 80

3 X TRUCK PUSHERS

2 X RIGGER -I

4 X SWAMPER.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS																				
<b>MUD DATA</b>																															
MUD TREATMENT																															
<b>BIT DATA</b>																															
<b>DRILL STRING</b>																															
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #																															
<b>Miscellaneous</b>	BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting																								
			CALM		CALM	9235	OPERATIONAL X 2																								
Real-Time Data Quality																															
<b>Personnel and Services Information</b>	COMPANY	TGC	RIG	EMC	MJH	BR1	RIG	ARM	ARM	Total 138																					
	CATEGORY	CTRG	RIG	DFMS	SEC	MLS	OTHR	OTHR	WSC																						
	NO. OF PERSONS	18	38	1	4	0	72	3	2																						
	OPERATING HRS.	0	24	24	0	0	24	0	24																						
	ON LOCATION HRS.	24	24	24	24	0	24	24	24																						
	Standby/Tankers	<b>ARAMCO PICK UP AB-6300</b>		<b>ADES AMBULANCE.</b>		<b>ADES AMBULANCE RIG MOVE.</b>																									
<b>BULK</b>	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX																									
			241	22	12	0																									
<b>REPAIR ASAP</b>	Instrumentation	Other																													
	Computer, Communication & V-Sat Issues																														
Reporter																															

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ZMLH-100 (MMK-1 S-SHAPE PILOT HOLE TO 200 FT INTO TWLF WITH SIDETRACK OPTION)</b>	Rig <b>ADES- 798</b>	Foreman(s) <b>HUSSEIN, MAHMOUD YASSIN/ QAHTANI, FAHAD ABDULLAH/ EISA, ABDULLAH HABEEB/ QAHTANI, MOHAMMED TURKI</b>
Engineer Superintendent	<b>THURAYA</b>	RIG FORMAN VSAT <b>8821677712150</b>	OTHER VSAT <b>013-577-9695</b>
Charge #: <b>(66- 22528- 0100)</b>	Wellbores: (0) ZMLH_100_0		CLERK #013 5773904

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>16760</b>	<b>POOH 3-5/8" C/O &amp; NEGATIVE TEST ASSY TO SURFACE, M/U &amp; RIH SAMAA WBCU ASSY.</b>	<b>RIH SAMAA WBCU ASSY, POLISH 4-1/2" LOWER PBR, PERFORM WELLBORE CLEAN OUT &amp; CASING PICKLING.</b>	<b>YABREEN ROAD, 70 KM AFTER HRDH BRIDGE, RIGHT TURN &amp; 20 KM SKID ROAD TO THE RIG. 342 KM FROM DMG.</b>	<b>88.5 (11/30/2022@1700)</b>	<b>JILH 10653 31' SHALLOW JLDM 10908 2' DEEPER BJDM 11066 5' DEEPER MDJR 11382 161' SHALLOW SUDR 12320 29' DEEPER SDDM 12780 37' DEEPER KHFF 13284 7' DEEPER KFAC 13295 16' DEEPER KFBC 13491 102' DEEPER KFCC 13934 83' DEEPER KFDA 14218 166' DEEPER BKDC 14730 174' DEEPER UNZA 14871 234' DEEPER UNZC 15104 123' SHALLOW PUZU 15599 293' DEEPER JAUF 15982 124' DEEPER TWLF 16560 74' DEEPER</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>16760</b>	<b>4 1/2</b>	<b>10786</b>	<b>16757</b>	<b>16486</b>	<b>9 5/8</b>	<b>11089</b>	<b>10829</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
<b>07.0</b>	<b>0500 - 1200</b>	<b>0</b>		<b>N</b>	<b>CT</b>	<b>WBCO</b>	<b>WBCL</b>	<b>SAM</b>	<b>16760</b>	<b>16760</b>	<b>16529</b>	<b>5777</b>	<b>POOH 3-5/8" C/O BHA ON 5-1/2" DP TO 5,777'. &gt;&gt; MONITOR THE WELL ON TRIP TANK. &gt;&gt; CONTROLLED TRIP SPEED TO 1 MIN/STD AS PER SAMAA.</b>
<b>01.0</b>	<b>1200 - 1300</b>	<b>0</b>		<b>N</b>	<b>CT</b>	<b>HT</b>	<b>BHA</b>	<b>RIG</b>	<b>16760</b>	<b>16760</b>	<b>5777</b>	<b>5740</b>	<b>L/D SAMAA 9 5/8" C/O TOOLS &amp; FSC PKR.</b>
<b>00.5</b>	<b>1300 - 1330</b>	<b>0</b>		<b>N</b>	<b>CT</b>	<b>WBCO</b>	<b>WBCL</b>	<b>SAM</b>	<b>16760</b>	<b>16760</b>	<b>5740</b>	<b>5369</b>	<b>POOH 3-5/8" C/O BHA ON 4" DP TO 5,369'. &gt;&gt; MONITOR THE WELL ON TRIP TANK. &gt;&gt; CONTROLLED TRIP SPEED TO 1 MIN/STD AS PER SAMA. &gt;&gt; FLOW CHECK, WELL STATIC.</b>
<b>00.8</b>	<b>1330 - 1415</b>	<b>0</b>		<b>N</b>	<b>CT</b>	<b>HT</b>	<b>PEL</b>	<b>RIG</b>	<b>16760</b>	<b>16760</b>			<b>PJSM, R/U BAKER 2-7/8" TBG HANDLING EQUIPMENT.</b>
<b>09.5</b>	<b>1415 - 2345</b>	<b>0</b>		<b>N</b>	<b>CT</b>	<b>HT</b>	<b>BHA</b>	<b>RIG</b>	<b>16760</b>	<b>16760</b>	<b>5369</b>	<b>0</b>	<b>POOH 3-5/8" C/O BHA TO SURFACE AND L/D 171 JT'S X 2-7/8" PH-6 TBG, BIT SUB &amp; BIT.</b>
<b>00.8</b>	<b>2345 - 0030</b>	<b>0</b>		<b>N</b>	<b>WH</b>	<b>RTRV</b>	<b>WBSH</b>	<b>RIG</b>	<b>16760</b>	<b>16760</b>			<b>RETRIEVE WEAR BUSHING.</b>
<b>01.8</b>	<b>0030 - 0215</b>	<b>0</b>		<b>N</b>	<b>CT</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>16760</b>	<b>16760</b>			<b>M/U BOP JETTING SUB. JET &amp; CLEAN BOP STACK AT 10 BPM. &gt;&gt; FUNCTION TEST BOP RAMS &amp; ANNULAR. L/D JETTING SUB.</b>
<b>00.8</b>	<b>0215 - 0300</b>	<b>0</b>		<b>N</b>	<b>WH</b>	<b>SET</b>	<b>WBSH</b>	<b>RIG</b>	<b>16760</b>	<b>16760</b>			<b>INSTALL VG WEAR BUSHING.</b>
<b>01.0</b>	<b>0300 - 0400</b>	<b>0</b>		<b>N</b>	<b>CT</b>	<b>HT</b>	<b>BHA</b>	<b>RIG</b>	<b>16760</b>	<b>16760</b>	<b>0</b>	<b>22</b>	<b>M/U 4-1/2" SAMAA WBCU ASSY.</b>
<b>01.0</b>	<b>0400 - 0500</b>	<b>0</b>		<b>N</b>	<b>CT</b>	<b>LDP</b>	<b>STRG</b>	<b>RIG</b>	<b>16760</b>	<b>16760</b>	<b>22</b>	<b>560</b>	<b>RIH 4-1/2" SAMAA WBCU ASSY ON 2-7/8" PH-6 TBG FROM PIPE RACK TO 560' TOTAL 18/168 JT'S.</b>

**WELL OBJECTIVE:** ZMLH-100 WELL IS PLANNED TO BE DRILLED AS A S-SHAPE MMK-1 PILOT HOLE WELL TO 200' INTO TAWIL FORMATION TO EVALUATE UNYZ-A, UNYZ-C AND JAUF RESERVOIRS. AFTER 5-7/8" LOGGING OPERATIONS, THE WELL WILL BE EITHER COMPLETED WITH 4.5" 15K CEMENTED LINER OR SIDETRACKED TO BE COMPLETED WITH SAND SCREENS.

=====SAFETY=====

> DRILLS: 2 TRIP DRILL .

> SAFETY OBSERVATIONS: 30.

> NEAR MISS: N/A.

> SAFTEY ALERTS: HSE ALERT 22-23 - AUXILIARY CYLINDER FRAME DAMAGE WHILE LOWERING THE MAST.

=====OPERATIONS=====

> SLB CUTTING RECOVERY SYSTEM ON LOCATION.

> 2 X SLB BARITE SILOS ON LOCATION.

> IMPLEMENTING CLOSED LOOP DRILLING PRACTICE.

> 8-3/8" HOLE FROM 9-5/8" CSG SHOE AT 11089' TO 11300'.

> AVG HOLE SIZE 5.97 IN. & BHST 299.95 F.

> 4-1/2" LOWER PBR TOP @ 11,203 FT, 7" X 4-1/2" CROSS-OVER TOP @ 11,234 FT.

=====PERSONNEL=====

> ARAMCO CLERK COUNTWILL HORTILANO #8273636 ON LOCATION.

===== WELLSITE SERVICES =====

> SPREAD TANKER ON LOCATION.

> NEXT WELL: HRDH-2363, 100% READY.

Remarks

ARAMCO SUPERINTENDENT MR. MOHAMMED TURKI QAHTANI VISITED THE RIG AND DISCUSSED:

- CURRENT OPERATION & PLAN FORWARD.
- RIG MAINTENANCE PLAN & MOC PROCEDURES FOR NEW EQUIPMENT.
- RIG MOVE PLAN & HAZARDS RELATED.
- RIG PERSONNEL & SERVICE COMPANIES COMPETENCY & SAFETY CULTURE.
- CLOSED LOOP DRILLING APPLICATION & BENEFITS.
- CLOSED LOOP FILTRATION SYSTEM & WATER CONSERVATION.
- MINIMIZATION OF VACUUM TANKERS USAGE.
- SAFETY AND ENVIRONMENTAL ASPECTS.

Lateral	Survey MD		Angle	Azimuth		CLength		TVD		N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS
MUD DATA	Weight <b>105 PCF</b>	Funnel Vis. <b>65 SEC</b>	Filtrate(WL) <b>1.8 HTHP</b>	Filtrate (WL) API		PV <b>40</b>	YP <b>16</b>	Electrical Stability <b>623 Volts</b>		3/6 RPM <b>10 / 11</b>	Gels Sec/Min <b>11 / 15</b>	PH <b>0</b>	CA PPM <b>0</b>		CL PPM <b>18000</b>		
	FL Temp <b>140</b>	Cake HTHP <b>2</b>	Cake API <b>0</b>	Water Vol. %		Oil Vol. % <b>12</b>	Solids Vol. % <b>59</b>	Sand Vol. % <b>0</b>		% LGS <b>5.77</b>	MBT <b>0</b>	Mud type <b>OBM</b>	Water Well # <b>ZMLH-801, ZMLH-802</b>				
	Weight <b>105 PCF</b>	Funnel Vis. <b>65 SEC</b>	Filtrate(WL) <b>1.8 HTHP</b>	Filtrate (WL) API		PV <b>41</b>	YP <b>15</b>	Electrical Stability <b>623 Volts</b>		3/6 RPM <b>10 / 11</b>	Gels Sec/Min <b>11 / 15</b>	PH <b>0</b>	CA PPM <b>0</b>		CL PPM <b>18000</b>		
	FL Temp <b>140</b>	Cake HTHP <b>2</b>	Cake API <b>0</b>	Water Vol. %		Oil Vol. % <b>12</b>	Solids Vol. % <b>59</b>	Sand Vol. % <b>0</b>		% LGS <b>5.77</b>	MBT <b>0</b>	Mud type <b>OBM</b>	Water Well # <b>ZMLH-801, ZMLH-802</b>				
MUD TREATMENT																	
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out						
	<b>10NEW</b>	<b>M442</b>	<b>3.625</b>	<b>SEC</b>	<b>13753958</b>	<b>MMD53DH / 3 X 32 /</b>	<b>2.356</b>	<b>16760</b>	<b>16760</b>								
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP	
					<b>1</b>	<b>1</b>	<b>WT</b>	<b>A</b>	<b>E</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
DRILL STRING	Float	<b>N</b>															
	BHA Hrs:																
	String Wt.	Pick Up	Slack Off		Rot. Torque				Jars: Serial #/Hrs			/	Shock Sub:		/	Mud Motor:	/
	Order	Component		Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
	<b>1</b>	<b>Component Not listed</b>		<b>RIG</b>	<b>3.5</b>	<b>1</b>	<b>2.88</b>	<b>2</b>	<b>5</b>	<b>2-7/8" PH-6</b>		<b>0</b>	<b>0</b>	<b>0</b>			
	<b>2</b>	<b>Crossover</b>		<b>RIG</b>	<b>3.5</b>	<b>1</b>	<b>3.5</b>	<b>1</b>	<b>1.26</b>	<b>2-3/8" REG</b>	<b>2-7/8" PH-6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>101487-1-8</b>		
	<b>3</b>	<b>Scraper</b>		<b>SAM</b>	<b>3.5</b>	<b>1</b>	<b>3.43</b>	<b>0.88</b>	<b>4.22</b>	<b>2-3/8" REG</b>	<b>2-3/8" REG</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>WBS45101626</b>		
	<b>4</b>	<b>String Magnet</b>		<b>SAM</b>	<b>3.5</b>	<b>1</b>	<b>3.58</b>	<b>0.88</b>	<b>6.38</b>	<b>2-3/8" REG</b>	<b>2-3/8" REG</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>WBS45101607</b>		
	<b>5</b>	<b>Casing Brush</b>		<b>SAM</b>	<b>3.5</b>	<b>1</b>	<b>3.56</b>	<b>0.88</b>	<b>4.24</b>	<b>2-3/8" REG</b>	<b>2-3/8" REG</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>WBS45101629</b>		
	<b>6</b>	<b>Crossover</b>		<b>RIG</b>	<b>3.5</b>	<b>1</b>	<b>3.5</b>	<b>1</b>	<b>1.25</b>	<b>2-7/8" PH-6</b>	<b>2-3/8" REG</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>101486-1-8</b>		
	<b>7</b>	<b>Drillpipe</b>		<b>ARM</b>	<b>2.875</b>	<b>168</b>	<b>2.875</b>	<b>2.26</b>	<b>5270.84</b>	<b>2-7/8" PH-6</b>	<b>2-7/8" PH-6</b>	<b>8.7</b>	<b>L-80</b>	<b>0</b>			
	<b>8</b>	<b>Crossover</b>		<b>RIG</b>	<b>3.5</b>	<b>1</b>	<b>3.5</b>	<b>1</b>	<b>1.51</b>	<b>2-3/8" REG</b>	<b>2-7/8" PH-6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>130923727</b>		
	<b>9</b>	<b>Component Not listed</b>		<b>HLH</b>	<b>4.95</b>	<b>1</b>	<b>4.95</b>	<b>1.5</b>	<b>31.8</b>	<b>2-3/8" REG</b>	<b>2-3/8" REG</b>						
	<b>10</b>	<b>Component Not listed</b>		<b>HLH</b>	<b>5</b>	<b>1</b>	<b>5.77</b>	<b>1.5</b>	<b>1.9</b>	<b>3-1/2" IF</b>	<b>2-3/8" REG</b>						
	<b>11</b>	<b>Scraper</b>		<b>SAM</b>	<b>5.625</b>	<b>1</b>	<b>5.13</b>	<b>1.5</b>	<b>5.35</b>	<b>3-1/2" IF</b>	<b>3-1/2" IF</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>WBS7-71370</b>		
	<b>12</b>	<b>String Magnet</b>		<b>SAM</b>	<b>5.812</b>	<b>1</b>	<b>5.69</b>	<b>1.5</b>	<b>6.11</b>	<b>3-1/2" IF</b>	<b>3-1/2" IF</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>WBS6-11749</b>		
	<b>13</b>	<b>Junk Basket</b>		<b>SAM</b>	<b>5.75</b>	<b>1</b>	<b>5.75</b>	<b>1.5</b>	<b>20.05</b>	<b>3-1/2" IF</b>	<b>3-1/2" IF</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>WBS7-81612</b>		
	<b>14</b>	<b>Casing Brush</b>		<b>SAM</b>	<b>5.75</b>	<b>1</b>	<b>5.75</b>	<b>1.5</b>	<b>5.25</b>	<b>3-1/2" IF</b>	<b>3-1/2" IF</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>WBS7-71690</b>		

	15	Crossover	RIG	5	1	5	2.5	2.36	XT-39	3-1/2" IF	0	0	0	85906863
	16	Drillpipe	RIG	4	13	4	3.34	409.54	XT-39	XT-39	0	0	0	
	17	Crossover	RIG	6.875	1	6.63	2.5	2.61	4-1/2" IF	XT-39	0	0	0	
	18	Scraper	SAM	8.125	1	8.06	2	5.54	4-1/2" IF	4-1/2" IF	0	0	0	WBS9-71663
	19	String Magnet	SAM	8.25	1	8.16	2	6.22	4-1/2" IF	4-1/2" IF	0	0	0	WBS9-72106
	20	Junk Basket	SAM	8.25	1	8.25	2	19.95	4-1/2" IF	4-1/2" IF	0	0	0	WBS9-101612
	21	Casing Brush	SAM	8.25	1	8.25	2	5.63	4-1/2" IF	4-1/2" IF	0	0	0	WBS9-51031
	22	Crossover	RIG	6.5	1	6.33	2.25	1.68	XT-54	4-1/2" IF	0	0	0	3028-01
	23	Drillpipe	ARM	5.5	341	5.5	4.67	10733.67	XT-54	XT-54	0	0	0	
Miscellaneous	BOP Test <b>02/20/2023</b>			BOP Drills			Wind		Sea	Weather	DSLTA <b>4876</b>	Safety Meeting <b>2</b>		
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs		
Personnel and Services Information	COMPANY		BCR	OTH	RIG	EMC	BFS	HLH	RIG	ARM	SCM	MI2	ARM	SAM
	CATEGORY		CSR	CTRG	RIG	DFMS	FILT	LHES	OTHR	OTHR	PCS	SCS	WSC	WBCS
	NO. OF PERSONS		4	19	38	1	2	1	15	1	3	9	2	2
	OPERATING HRS.		13	0	24	24	24	0	0	12	0	24	24	24
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24
Trucks/Boats	Standby/Tankers													
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>404</b>		Barite- SX <b>211</b>		Bentonite - SX <b>112</b>		Cement G- SX					
REPAIR ASAP	Instrumentation		Other Computer, Communication & V-Sat Issues											

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Total  
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Reporter

Date MONDAY 02/27/2023	Well No (Type) : <b>DUHL-2</b> (DUHL-2, WHICH WILL BE DRILLED AS OIL-CO2 EVAL/DEL IN DUHL)	Rig <b>ADES-</b> 799	Foreman(s) <b>GAHTANI, HUSSAIN ALI/ HAJRI, FALEH/ ALMAHASENAH, MOSA JAFFAR/ ABU RASAIN, AMER MANE</b>	Engineer Superintendent
Charge (66- 22854-#: 0002) Wellbore: (0) DUHL_2_0	THURAYA RIG FORMAN VSAT 88-216-7771-3961 578-4860	OTHER VSAT 810-2788 (ADES-TP) 578-4149 (FCT) 578-4324 (ARAMCO CLERK)	OTHER VSAT 578-4149 (FCT) 578-4324 (ARAMCO CLERK)	FAX VSAT 8821677713961

Depth 8073	Last 24 hr operations CONT. L/D WBCO ASSY, JET BOPE, M/U & RUN HALL RTTS, DISP TO DIESEL, & PERFORM NEGATIVE TEST, POOH, L/D RTTS, PERFORM CBL LOG.	Next 24 hr plan PERFORM CBL LOG, P/U & RIH 7" BKR POLISH MILL ASSY, DRESS TOL, POH & L/DDH 276 KM EXCESS DP, RUN 7" TIE BACK ASSY	Location DISTANCE FROM	Days Since Spud/Comm (Date) 88.7 (11/30/2022@1200)	Formation tops
					UMER 618 ARUM 880 189 FT SHALLOW PAMU 1316 152' SHALLOW SHUB 1972 43' SHALLOW SULY 3365 27' DEEPER MNFR 3906 29' DEEPER HITH 3928 N/A ABAR 4341 53' DEEPER BAAR 4386 N/A ABBR 4460 N/A BABR 4488 N/A ABCR 4637 N/A BACR 4722 N/A ABDR 4926 21' DEEPER BADR 5084 N/A HNIF 5444 23' DEEPER BUHR 5930 N/A HDRR 5991 55' DEEPER BHDR 6140 N/A DHRM 6559 234' DEEPER LFDR 6682 69' DEEPER BLFR 6905 N/A FRAR 7133 51' DEEPER FDDR 7255 76' DEEPER HURN 7410 77' DEEPER

Prev. Depth 8073	Liner Size 7	TOL 3240	MD 8041	TVD 8041	Last Csg Size 9 5/8	MD 39703970	TVD 0	Footage 0	Circ % 1
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Hrs (From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Start	End	Start	End	Summary of Operations
01.0 0500 - 0600 0			N	CT	WBCO	WBCL	SSW	8073	8073					CONT'D L/D SINOPEC WBCO TOOLS. - RECOVERED 0.5 KG FINE DEBRIES FROM MAGNET. - KEEP MONITORING WELL THRU TRIP TANK, WELL STATIC.
01.0 0600 - 0700 0			N	BOP	OTH	BOP	RIG	8073	8073					HPJSM, P/U & M/U BOP JETTING TOOL, JET BOPE AT HIGH FLOW RATE WHILE RECIPROCATING THE STRING SEVERAL TIMES. - KEEP MONITORING WELL THRU TRIP TANK, WELL STATIC.
01.5 0700 - 0830 0			N	PA	OTH	NA	HCB	8073	8073					HPJSM, P/U HALL RTTS AS FOLLOWING: 2X JNT 4" DP, 2X XO,9-5/8" RTTS+SAFETY JNT. - KEEP MONITORING WELL THRU TRIP TANK, WELL STATIC.
02.5 0830 - 1100 0			N	PA	HT	BHA	RIG	8073	8073					TRIP IN WITH HALL 95-8" RTTS WITH CONTROL SPEED ON 5.5" DP TO 3140'.
00.5 1100 - 1130 0			N	PA	RR	TDS	RIG	8073	8073					SERVICE TDS AND CHECK FOR POSSIBLE DROP OBJECTS.
00.5 1130 - 1200 0			N	PA	PJSM	NA	RIG	8073	8073					HELD STAND DOWN MEETING WITH DAY SHIFT RIG CREW. REVIEW & DISCUSS:
00.5 1200 - 1230 0			N	PA	PTST	RTTS	RIG	8073	8073					SET HALL 9-5/8 RTTS & PT TO 1000 PSI - HOLD. - UNSET RTTS.
00.8 1230 - 1315 0			N	PA	OTH	NA	RIG	8073	8073					HPJSM, R/U RIG SURFACE LINE, FLUSH & PRESSURE TEST LINE @ 1000 PSI, OK
00.2 1315 - 1330 0			N	CT	CIRC	MPMP	RIG	8073	8073					DISPLACE STRING 61 BBL DIESEL, @ 2 BBL/MIN (5 BBLS UNDER DISPLACE).
00.5 1330 - 1400 0			N	PA	PTST	RTTS	RIG	8073	8073					HPJSM, SET HALL 9-5/8" RTTS ON TOP OF 7" LINER AS PER HALL ENG.
04.0 1400 - 1800 0			N	PA	PTST	RTTS	RIG	8073	8073					HPJSM, PERFORM NEGATIVE PRESSURE TEST ON 7" TOL, GOOD TEST.
00.5 1800 - 1830 0			N	PA	PTST	RTTS	RIG	8073	8073					HPJSM, UNSET 9-5/8" RTTS.
01.5 1830 - 2000 0			N	PA	CIRC	MPMP	RIG	8073	8073					CLOSE BOP & REVERSE CIRCULATE & NORMAL CHC WITH 67 PCF BRINE & CHC UNTIL IN/OUT =67 PCF. - FLOW CHECK, WELL STAITE.
03.0 2000 - 2300 0			N	PA	OTH	NA	RIG	8073	8073					TRIP OUT WITH HALL 9-5/8" RTTS WITH CONTROL SPEED ON 5.5" DP TO SURFACE.
01.5 2300 - 0030 0			N	PA	HT	BHA	RIG	8073	8073					HPJSM, L/D HALL RTTS. - KEEP MONITORING WELL THRU TRIP TANK, WELL STATIC.
00.5 0030 - 0100 0			E	LOG	PJSM	NA	RIG	8073	8073					HOLD STAND UP MEETING WITH NIGHT SHIFT RIG CREW. REVIEW & DISCUSS:
01.5 0100 - 0230 0			E	LOG	NU	SNIP	RIG	8073	8073					HPJSM, N/D BELL NIPPLE & NU SHOOTING NIPPLE.
02.5 0230 - 0500 0			E	LOG	LOG	WLT	SWL	8073	8073	7800	3240			HPJSM, R/U SLB E-LINE SURFACE EQUIPMENT....ONGOING. - M/U SLB LOGGING TOOLS & FUNCNTION TEST SAME OK - RIH W/ SLB UNIST-CBL-VDL-CCL -GR ON E-LINE TOOLS. - RIH W/SLB TO 7800' E-LINE MEASUREMENT.

#### WELL OBJECTIVE:

DUHL-2 IS GOING TO BE DRILLED AS VERTICAL EVALUATION WELL AT THE WESTERN FLANK OF DUHL DOME AS PART OF THE JAHM COMPLEX APPROVED 2ND PHASE DELINEATION PROGRAM. THE MAIN OBJECTIVE OF THE WELL IS TO DELINEATE THE FIELD GEOLOGICALLY AND STRUCTURALLY AND COLLECT DYNAMIC DATA ACROSS THE TARGET CCS RESERVOIRS.

=====

RER: 100 PPM (0 M), 30 PPM (0 M), 1/2 LFL (450 M)

GOR AT RESERVOIR = 0 SCF/STB & H2S: 0%.

STAGING AREA-1:

LAT: 26.253265; LONG: 47.375710; 600 M NE DUHL-2.

STAGING AREA-2:

LAT: 26.253592; LONG: 47.367355; 600 M NW DUHL-2.

=====

HSE

- SAFETY: PRE-TOUR SAFETY MEETINGS: (2), WEEKLY SAFETY MEETINGS: (0).

- STOP CARDS: (40), PTW: (02), JSA: (02), SWA (5) NEAR MISS (1).

- DRILLS:

DISCUSSED HSE POLICY & PROCEDURES.

DISCUSSED ALERT 02-23 - FINGER CAUGHT WHILE USING MANUAL TONG.

DISCUSSED ALERT INITIAL NOTIFICATION ALERT \_ADM680 INCIDENT

DISCUSSED THE PICKUP AND LAY DOWN SAFE PRODUCERS.

DISCUSSED WORKING AT HIGHT SAFE PROCEDURES.

DISCUSSED PTW ISSUES WITH.

**AUDIT**

- PCI CONDUCTED 09/14/2022 TOTAL ITEMS (98), CLOSED (98), OPEN (0).
- 4TH QSI CONDUCTED 12/06/ 2022 TOTAL ITEMS: (48), CLOSED ITEMS: (48), OPEN ITEMS: (0).
- OECG CONDUCTED 02/16/ 2023 TOTAL ITEMS: (18), CLOSED ITEMS: (13), OPEN ITEMS: (3), IN PROCESS: (2).

=====  
- ODF CORRECTION: 35 FT.  
=====

**- KPI**

- TRIPPING KPI: 18 STD/HR VS. NONE FOR TODAY.

=====  
- CASING SETTING DEPTHS:

24" CSG (28" SECTION) PLANED @ 85' RKB,  
18 5/8" CSG (22" SECTION) PLANED @ 445', ACTUAL 445'  
13 3/8" CSG (16" SECTION) PLANED @ 1518' ACTUAL 1220'  
9 5/8" CSG (12" SECTION) PLANED @ 3958' ACTUAL 3970'  
7" CSG (8 3/8" SECTION) PLANED @ 7952' ACTUAL 8073'.  
=====

**POB:**

- ARAMCO CLERK HUMOOD BAREEK ID# 760453 ON LOCATION SINCE 02/15/2023.
- DRILLING ENGINEER MR. ALMAHASENAH, MOSA # 294397 ON LOCATION SINCE 02/19/2023.

=====  
**ARAMCO VEHICLE SERVICE DETAILS**

- ARAMCO CAR WITH NUMBER DH-4876 ON LOCATION NEXT INSPECTION 4/19/2023.

**RENTAL TOOLS:**

- 4-3/4" HJDA DRLG JAR SN#HJDA-475-0025 RECEIVED 02/24/2023 @ 00:30 HRS

=====  
**WELLSITE EQUIPMENT:**

SPRAY WATER TANKER: DRSS#1003778161, PLATE# NNA-4056, DOOR#775.

=====  
**NEXT WELLS:** -

HRDH-537 IS 30% IN-PROGRESS AND ETC BY 03/15/23.

**WELL CONTROL DATA**

=====  
**ECC HAS COMMUNICATION ON DUHL-2, DAILY PHONE COMMUNICATION CHECK PERFORMED**

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS																								
MUD DATA	Weight <b>67</b> PCF	Funnel Vis. <b>0</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9.9</b>	CA PPM <b>0</b>	CL PPM <b>61000</b>																											
	FL Temp <b>110</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>100</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>0</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>NACL</b>	Water Well # <b>JAHM-805</b>																												
	Weight <b>67</b> PCF	Funnel Vis. <b>0</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9.9</b>	CA PPM <b>0</b>	CL PPM <b>61000</b>																											
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>100</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>0</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>NACL</b>	Water Well # <b>JAHM-805</b>																												
MUD TREATMENT	CAUST 1(50LBP)																																						
BIT DATA																																							
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #																									
Miscellaneous	BOP Test <b>02/21/2023</b>	BOP Drills <b>E-TOUR</b>	Wind <b>CALM</b>	Sea <b>NA</b>	Weather <b>SEASONAL</b>	DSLTA <b>3715</b>	Safety Meeting <b>HSE ALERT 21-23 FALL FROM DIFFERENT LEVELS DURING RIG MOVE.</b>																																
	Real-Time Data Quality		Sensors Quality		0%	Data Frequency		100%	Real-Time Hrs		11.46/24 hrs																												
Personnel and Services Information	COMPANY		HCB	OTH	RIG	GDF	RIG	ARM	OTH	ARM	SWL	BCR	BC	Total <b>101</b>																									
	CATEGORY		BRCR	CTRG	RIG	DFMS	OTHR	OTHR	VAC	WSC	LPS	CSR	PSSC																										
	NO. OF PERSONS		<b>1</b>	<b>18</b>	<b>38</b>	<b>1</b>	<b>25</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>4</b>	<b>2</b>																										
	OPERATING HRS.		<b>18</b>	<b>0</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>24</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>																										
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>12</b>																										
Trucks/Boats	Standby/Tankers <b>DH-4876</b>																																						
BULK	Drill Vtr.-BBLS <b>13</b>	Pot Wtr.- BBLS		Fuel- BBLS		Barite- SX		Bentonite - SX		Cement G- SX																													
REPAIR ASAP	Instrumentation	Other																																					
	Computer, Communication & V-Sat Issues <b>NO RADIO COVERAGE AT DUHL AREA.</b>																																						
	Reporter																																						

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HRDH-688 (DE-COMPLETE, SIDETRACK AND DRILL THE WELL HORIZONTALLY IN TWO-HOLE SIZES TARGETING KHUFF-C RESERVOIR)</b>	Rig <b>ADES- 889</b>	Foreman(s) <b>BOUAFIA, ABDELAZIZ/ ASALI, MOHAMAD SAMEER/ ALKHLIFAH, MOHAMMED MOFEED/</b>
Engineer Superintendent	<b>WIJANARKO, MUHAMMAD/ SAEGH, ABDULLAH SULIMAN</b>	THURAYA	RIG FORMAN VSAT
	<b>008821677712624</b>	<b>5773506</b>	FAX VSAT

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>15970</b>	<b>CONTINUE P/T HARD LINES WITH WATER &amp; N2, RETRIEVE 4" BPV.</b>	<b>BULLHEAD TBG, S/L DRIFT, SET 3.58" EZSV BP, RIH W/2.5" PTC &amp; PUNCH TBG ON E-LINE, DISPLACE WELL TO 97 PCF KILL MUD. SECURE THE WELL, N/D TREE AND N/U BOP.</b>	<b>284 KM FROM DMG. 20 KM AFTER HRDH BRIDGE ON KHARKHEER ROAD. TURN RIGHT TO SKID ROAD (5 KM SKID ROAD)</b>	<b>1.5 (02/25/2023@1800)</b>	
Prev. Depth <b>15970</b>	Liner Size <b>4 1/2</b>	TOL <b>11737</b>	MD <b>15860</b>	TVD <b>9 5/8</b>	Last Csg Size <b>12061</b> MD <b>12061</b> TVD <b>0</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
10.0	0500 - 1500	0		N	DCOM	OTH	NA	SCM	13477	13477			<b>SLB CONTINUE P/T HARD LINES W/ WATER. - SLB P/T DOWN STREAM CHOKE MANIFOLD 5K VALVES TO 300 / 5,000 PSI FOR 10 MINUTES EACH, OK. - SLB P/T UP STREAM CHOKE MANIFOLD 10K VALVES AND WELLHEAD TO CHOKE MANIFOLD TO 300 / 10,000 PSI FOR 10 MINUTES EACH, OK. - R/D SLB PUMP UNIT.</b>			
10.5	1500 - 0130	0		N	DCOM	OTH	NA	OZT	13477	13477			<b>HPJSM, R/U OILSERV N2 UNIT. FLUSH &amp; P/T SURFACE LINES TO 9,000 PSI. &gt; OILSERV P/T FLARE LINES W/ N2 TO 300 PSI/1,200 PSI FOR 10 MINUTES EACH, OK. &gt; OILSERV P/T CHOKE MANIFOLD DOWN STREAM 5K VALVES W/ N2 TO 300 PSI/4,500 PSI FOR 10 MINUTES EACH, OK. &gt; OILSERV P/T HARD LINES &amp; CHOKE MANIFOLD UP STREAM 10K VALVES W/ N2 TO 300 PSI/8,000 PSI FOR 10 MINUTES EACH, OK. &gt; R/D OILSERVN2 UNIT &amp; LINES.</b>			
01.0	0130 - 0230	0		N	WH	PTST	TREE	FME	13477	13477			<b>FMC ENGINEER PERFORM TUBING BONNET INTEGRITY TEST FOR 15 MIN TO 6,500 PSI - OK. - PRESSURE TEST TCA FOR 15 MIN TO 1,000 PSI - OK. - CAVITY VOID ABOVE TUBING HANGER HAD ZERO PRESSURE AFTER THE TEST.</b>			
02.5	0230 - 0500	0		N	WH	SET	BPV	ARM	13477	13477			<b>R/U ARAMCO GWS LUBRICATOR. P/T SAME TO 6,500 PSI W/ WATER AND GLYCOL MIXTURE. EQUALIZE PRESSURE. RETRIEVE 4" BPV &amp; &amp; CONFIRMED SIWHP IS 3,500 PSI, FLUSHED GWS LUBRICATOR, SECURED WELL &amp; R/D GWS LUBRICATOR. - THP= 3,500 PSI. - TCA = 0 PSI. - 9-5/8" X 13-3/8" CCA = 0 PSI. - 13-3/8" X 18-5/8" CCA = 0 PSI.</b>			

#### WORKOVER OBJECTIVES

DE-COMPLETE, SIDETRACK AND DRILL THE WELL HORIZONTALLY IN TWO-HOLE SIZES TARGETING KHUFF-C RESERVOIRS. THE WELL WILL BE COMPLETED WITH 15K 4-1/2" CEMENTED LINER WITH 15K MONOBORE COMPLETION SYSTEM ON 4-1/2" 15.1 PPF X 4-1/2" 13.5 PPF CARBON STEEL TUBING.

#### FINAL WORKOVER SUMMARY

##### FOREMAN REMARKS

##### =====ARAMCO PERSONNEL=====

- > ARAMCO MATERIAL EXPEDIATOR ALJASIM, MOHAMMED A. #8513067 ON LOCATION SINCE 02/20/2023.
- > ARAMCO PDP FAHAD A ALAKKAS #790222 ON LOCATION SINCE 02/21/2023.

##### =====SERVICE COMPANY PERSONNEL=====

- > EMEC MUD ENG ON LOCATION.
- > SLB PUMPING CREW & UNIT ON LOCATION SINCE 02/25/2023.
- > OILSERV CREW & UNIT ON LOCATION SINCE 02/26/2023.
- > FMC ENGINEER ON LOCATION SINCE 02/26/2023.
- > SLB WIRE LINE CREW & EQUIPMENT ON LOCATION SINCE 02/26/2023.
- > EXPRO SLICK LINE CREW & EQUIPMENT ON LOCATION SINCE 02/26/2023.

##### =====RIG MOVE=====

##### =====RENTAL EQUIPMENT & TOOLS=====

##### =====HSE=====

- > DRILLS: NONE.
- > NEAR MISS: NONE.
- > OBSERVATIONS: 20
- > SAFETY ALERT: DISCUSS HSE ALERTS.
- > SAFE GATHERING AREA#1: 3.1 KM NE (N: 2649720.6 M, E: 307526.4 M); SAFE GATHERING AREA#2: 3.0 KM NE (N: 2649132.0 M, E: 304969.1 M).
- > IMPLEMENTING CLOSED LOOP DRILLING PRACTICE.

##### =====DIRECTIONAL DATA=====

=====CASED HOLE 8-3/8" WHIPSTOCK DATA=====

=====OPERATION=====

> ODF CORRECTION FROM ADC-35 RIG = 33 FT TO RIG ADES-889 = 35 FT: - 2 FT CORRECTION.

=====GDWD COST OPTIMIZATION=====

=====RIG VISIT=====

=====WELLSITE SERVICES=====

> AL-FUWAILEH EST SPRAY TANKER DRSS #1003729746 ON LOCATION FROM 01/16/2022.

> DOOR NO: 925, PLATE NO: 0705.

=====HSE FINDINGS STATUS=====

> FINDINGS STATUS 2ND RHSEI: 20; 20 ITEMS CLOSED/ 00 ITEMS OPEN.

> FINDINGS STATUS 1ST 3MCI OF 2023: 26; 25 ITEMS CLOSED/ 01 ITEMS OPEN.

> FINDINGS STATUS WCI: 09; 09 ITEMS CLOSED/ 00 ITEMS OPEN.

=====NEXT WELL=====

> 1ST WELL HRDH-1808: KHUF C, PRE-SET, PRE-WORKOVER MEETING NOT HELD, NO STRIP OUT IS REQUIRED. LOCATION 50% READY.

> 2ND WELL HRDH-1839: UNZB/C - DEVIATED, PRE-WORKOVER MEETING HELD ON 01/18/2023, STRIP OUT IS REQUIRED. LOCATION 0% READY.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS						
MUD DATA															
MUD															
TREATMENT															
BIT DATA															
DRILL-STRING															
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #															
Miscellaneous															
BOP Test		BOP Drills		Wind		Sea		Weather							
								DSLTA							
								Safety Meeting							
Real-Time Data Quality			Sensors Quality			38%		Data Frequency							
						100%		Real-Time Hrs							
						4.76/24 hrs									
Personnel and Services Information	COMPANY		RIG	TGC	EMC	RIG	ARM	SCM	OTH	ARM	OZT	FME	SWL	SLL	Total <b>98</b>
	CATEGORY		RIG	CTRG	DFMS	OTHR	OTHR	PCS	VAC	WSC	COIL	WHES	WLS	SLS	
	NO. OF PERSONS		35	18	1	23	2	3	1	3	3	1	5	3	
	OPERATING HRS.		24	0	24	12	12	12	0	24	11	2	0	0	
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	22	17	11	9	
Trucks/Boats	Standby/Tankers														
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS		Barite- SX		Bentonite - SX		28		Cement G- SX				
REPAIR ASAP	Instrumentation		Other		Computer, Communication & V-Sat Issues										Reporter

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Date	MONDAY 02/27/2023	Well No (Type) :	MRJN-771 (DECOMPLETE ESP, CLEAN-OUT, STIMULATE, RECOMPLETE ESP, FLOW BACK)	Rig	DICK, BRIAN/ SULURU, LAKSHMI NARASIAH/ ABDELAZIZ, RAMY MAGDY/ ALMULHIM, ABDULLAH SAAD/ BUDAIR, SAAD MOHAMMAD
Engineer					
Superintendent					
THURAYA	88216-777-11416	RIG FORMAN VSAT	RIG FORMAN VSAT	OTHER VSAT	CONTRACTOR/CLERK VSAT
		378-7463	378-7463	378-7464 RADIO ROOM	378-7467 CLERK

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
14240	CONT. PT MANIFOLD VALVES & S/LINE PCE, PREPARE BRINE, COMMENCE OPERATIONS, BULLHEAD TUBG, DRIFT & PUNCTURE TUBING. BULLHEAD TCA.	BULLHEAD TCA AND TUBG. INSTALL & PT PR PLUG. CIRC. INSTALL BPV. ND TREE. NU & PT BOP.	MRJN-770/770 PLATFORM	0.8 (02/26/2023@1030)	
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %
14240	7	6108	10237	9 5/8 10360	0 100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations			
									Start	End	Start	End						
02.0	0500 - 0700	1		N	RM	RU	NA	RIG	14240	14240					- CONT. PT CHOKE MANIFOLD VALVES @ 300/2,550 PSI 10/10 MINS. - PT TCA & 2-1/16" GATE VALVE @ 1,000 PSI. GOOD TEST.			
00.5	0700 - 0730	1		N	RM	RU	NA	RIG	14240	14240					PT SLB S/L PCE AT 2000 PSI 10 MINS. GOOD TEST.			
03.0	0730 - 1030	1		N	RM	RU	NA	RIG	14240	14240					MIX & PREPARE 78 PCF CACL2 BRINE.			
00.0	1030 - 1030	1		S	OT	COMM	NA	RIG	14240	14240					COMMENCE OPERATIONS ON MRJN-771 AT 10:30 HRS ON 26TH FEB 2023 (SUNDAY).			
00.8	1030 - 1115	1		N	DCOM	PTST	MPMP	RIG	14240	14240					PT TCA AT 1,000 PSI 10 MINS. GOOD TEST. CCA ( 9-5/8" - 13-3/8") "0" PSI.			
03.0	1115 - 1415	1		N	KILL	KILL	MPMP	RIG	14240	14240					OPEN TRSSSV. WHP: 600 PSI. BULLHEAD TUBING WITH 410 BBLS 78 PCF VIS BRINE. OBSERVE TCA "0" PSI DURING BULLHEADING. FINAL PUMPING PRESSURE 1.6 BPM, 1000 PSI.			
00.5	1415 - 1445	1		N	DCOM	CIRC	MPMP	RIG	14240	14240					FLOW CHECK. STATIC LOSSES 46 BPH.			
05.8	1445 - 2030	1		N	DCOM	DTU	DRFT	SLL	14240	14240					SLB S/L PERFORM THE FOLLOWING: - DRIFT WITH 3.785" TO 5,627 FT ODF TO TOP OF PKR. - DRIFT WITH 3.683" TO R-NIPPLE @ 5,740 FT. - FLOW CHECK STATIC LOSSES 46 BPH. - SLB RIH WITH 3.59" HALLIBURTON DPU AND PUNCTURE 4-1/2" 13.5# TUBG AT 5,602 FT (25 FT ABOVE PKR) KEEPING 100 PSI IN TCA. AFTER PUNCH PRESSURE DROPPED TO "0" PSI. GOOD INDICATION OF PUNCTURE AT SURFACE. POH HALLIBURTON PUNCTURE ASSY AND L/D.			
02.5	2030 - 2300	1		N	DCOM	CIRC	MPMP	RIG	14240	14240			TF	909657	BULL HEAD DOWN TCA WITH 24 BBLS OF 78 PCF BRINE @ 1.5 BPM 750 PSI. PRESSURE SPIKE TO 1000 PSI, STOP PUMP. PRESSURE STEADY @ 1000 PSI. BLEED OFF PRESSURE AND PUMPED DOWN TUBING TO CLEAR PUNCH PORT @ 6 BPM, 1200 PSI. OBSERVE AN INCREASE IN TCA PRESSURE, OPEN CHOKE AND FLUSH 3 BBLS TO THE TRIP TANK. STOP PUMP AND LINED UP TO PUMP DOWN TCA. PUMPED 2 BBLS @ 1.5 BPM; 450 PSI ON TCA AND "0" PSI ON TBG. PRESSURE SPIKE TO 750 PSI. STOP PUMP AND PRESSURE STABLE. SUSPECT TUBING PUNCH PLUGGED.			
02.0	2300 - 0100	1		N	DCOM	DTU	DRFT	SLL	14240	14240			TF	909657	SLB S/L RIH WITH SECOND 3.59" HALLIBURTON DPU AND PUNCH 4-1/2" 13.5# TUBG AT 5,562 FT (65 FT ABOVE PKR) KEEPING 150 PSI IN TCA. AFTER PUNCH PRESSURE DROP TO "0" PSI. GOOD INDICATION OF PUNCTURE AT SURFACE. POH HALLIBURTON PUNCTURE ASSY AND L/D.			
03.0	0100 - 0400	1		N	DCOM	CIRC	MPMP	RIG	14240	14240			TF	909657	ATTEMPT TO BULLHEAD DOWN TCA. OBSERVE PRESSURE SHOOT UP IMMEDIATELY TO 500 PSI. CONFIRM CORRECT LINE UP. BLEED OFF PRESSURE TO 0 PSI. OPEN THS OPPOSITE SIDE 2-1/16" MANUAL VALVE. FOUND WELL UNDER SUCTION. TRIED TO PUMP DOWN TCA AGAIN KEEPING THS OPPOSITE SIDE 2-1/16" MANUAL VALVE OPEN. FOUND NO RETURNS AND PRESSURE HOLD 1,000 PSI. SUSPECT BLOCKAGE E-KILL LINE. BREAK E-KILL LINE BETWEEN RIG 3-1/8" 10K MANUAL VALVE AND THS 2-1/16" MANUAL VALVE. FOUND SOLID CYLINDRICAL SHAPE METAL PIECE OF SIZE (2-7/8" X 2-7/8") AT THE MOUTH OF THS 2-1/16" THS MANUAL VALVE, REMOVE SAME. FLUSH E-KILL LINE AND CONFIRM CLEAR. ALSO CONFIRM 2-1/16" MANUAL VALVE ON THS CLEAR. R/U E-KILL LINE AND PT AT 1,000 PSI 10 MINS. GOOD TEST.			
01.0	0400 - 0500	1		N	DCOM	CIRC	MPMP	RIG	14240	14240					BULLHEAD DOWN TCA WITH 78 PCF VIS BRINE 2.2 BPM AT 750 PSI INC @ RPT.....			

Lost Time Details												
From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID		Type	Cause	Object	Resp Co	Depth	LT Summary	
27 Feb 2030 - 0400	7.5	7.5	909657			TF	FOT	SFLN	RIG	0	UNABLE TO BULLHEAD TCA THROUGH E-KILL LINE DUE TO RESTRICTION IN LINE.	

- ODF TO THS 66.5', RKB TO THS 49.3', ODF CORRECTION + 17.2'  
 - HEADING 331DEG, WATER DEPTH: 159 FT.

- PENETRATION: BOW 8 FT, STBD 7 FT, PORT 8 FT.

ARAMCO CLERK, MOHAMMED ATHEEQ AKBAR (ID# 8583996) ARRIVE ON RIG 01/26/23.  
ARAMCO - PDP COMP.MAN, FAYED I ALIBRAHIM, ID:809139, ONBOARD SINCE 02/21/23.

\*\* HSE ALERT: 20-23 HAND INJURY WHILE USING IRON ROUGHNECK.

\*\* HSE ALERT: 21-23 FALL FROM DIFFERENT LEVELS DURING RIG MOVE.

\*\* HSE ALERT: 22-23 AUXILIARY CYLINDER FRAME DAMAGE WHILE LOWERING THE MAST.

\*\* HSE ALERT: 23-23 WINDY WEATHER INCIDENT.

NOTE: ALL THE ABOVE HSE ALERTS SHARED WITH THE CREW IN THE MEETINGS.

CURRENT LOCATION: RIG ON TOW TO MRJN-770/779 PF.

**NEXT PLATFORM:**

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS																						
MUD DATA	Weight <b>78</b>	PCF <b>29</b>	Funnel Vis. <b>SEC</b>	Filtrate(WL) <b>0</b>	HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9</b>	CA PPM <b>0</b>	CL PPM <b>218000</b>																					
	FL Temp <b>80</b>		Cake HTHP <b>0</b>		Cake API <b>0</b>	Water Vol. % <b>92</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>8</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>CACL</b>	Water Well #																						
	Weight <b>78</b>	PCF <b>30</b>	Funnel Vis. <b>SEC</b>	Filtrate(WL) <b>0</b>	HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9</b>	CA PPM <b>0</b>	CL PPM <b>220000</b>																					
	FL Temp <b>80</b>		Cake HTHP <b>0</b>		Cake API <b>0</b>	Water Vol. % <b>92</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>8</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>CACL</b>	Water Well #																						
MUD TREATMENT	<b>CACL-80</b>	<b>HEC</b>	<b>CAOH2</b>																																
BIT DATA																																			
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #																					
Miscellaneous	BOP Test	BOP Drills		Wind				Sea	Weather		DSLTA	Safety Meeting																							
		<b>TOURLY</b>		<b>22-24 KNOTS NW</b>				<b>3-4</b>	<b>VIS 4-5 NM</b>		<b>4681</b>	<b>TOURLY</b>																							
	Real-Time Data Quality																																		
Personnel and Services Information	COMPANY		OTH	RIG	BDF	RIG	ARM	HSL	SLL	SCP	ARM	Total <b>71</b>																							
	CATEGORY		CTR G	RIG	DFMS	OTHR	OTHR	SLS	SLS	SSSV	WSC																								
	NO. OF PERSONS		<b>12</b>	<b>44</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>3</b>																								
	OPERATING HRS.		<b>0</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>20</b>	<b>2</b>	<b>24</b>																								
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>																								
Trucks/Boats	Standby/Tankers <b>ZAMIL-51</b>																																		
BULK	Drill Wtr -BBLS <b>898</b>	Pot Wtr - BBLS <b>819</b>	Fuel- BBLS <b>1115</b>	Barite- SX <b>4300</b>	Bentonite - SX <b>0</b>	Cement G- SX <b>1500</b>																													
REPAIR ASAP	Instrumentation	Other												Reporter																					
Computer, Communication & V-Sat Issues																																			
<b>FOREMAN NEW PRINTER TO BE INSTALLED.</b>																																			

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Date	Well No (Type) :	Rig	Foreman(s)	MOUSTAFA, AHMED MOHAMED/ BIN DAKHEIL, ABDULAZIZ IBRAHIM/ ASIRI, ADEL KHALED/ GABR, AHMED MOHAMED/ GHAFFAR, AHMED/ ALENIZI, FAYEZ RAD/ BUDAIR, SAAD MOHAMMAD
MONDAY 02/27/2023	MRJN-122 (PERFORM STIMULATION TREATMENT & FLOWBACK) Charge (72- 23073- #: 0122) Wellbores: (2) MRJN_122_3	ADM- 262	Engineer Superintendent	THURAYA <b>00-882-167-771-2300</b>
			RIG FORMAN VSAT	OTHER VSAT
			378-6319	CONTRACTOR/CLERK VSAT <b>378-6322 378-6320</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
11900	M/U JETTING BHA & RIH W/ CTU, SPOT SOLVENT TREATMENT ACROSS SCREENS, POOH & ALLOW TIME FOR SOAKING.	OPEN WELL FOR FLOWBACK OPERATIONS THROUGH RAWABI ZERO FLARING PACKAGE.	MRJN-121/126, 310, 320 PLATFORM	1.8 (02/25/2023@0930)	

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
12012	4 1/2	5774	11945	6908	7	74926531		-112	

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
00.8	0500 - 0545	2		E	STIM	STIM	CTU	BCT	12012	12012			COMPLETE P/TEST BAKER CT BOP TO 300/2,500 PSI.
02.8	0545 - 0830	2		E	STIM	STIM	CTU	BCT	12012	12012			BAKER CT M/U JETTING BHA AS FOLLOW, JETTING/LIFTING NOZZLE, STRAIGHT BAR, 2-1/8" MOTOR HEAD ASSY, 1-1/2" EXTERNAL COIL CONNECTOR, M/U INJECTOR HEAD ASSY ON TOP OF RISER, P/TEST STACK, DUAL STRIPPER SEALS, TO 300/2,500 PSI (GOOD TEST), BLEED OFF PRESSURE TO 1,500 PSI AND CONFIRM CHECK VALVE ON BHA IS HOLDING.
00.5	0830 - 0900	2		E	STIM	STIM	CTU	BCT	12012	12012			HOLD SAFETY MEETING WITH ALL PERSONNEL INVOLVED IN THE CTU OPERATION.
05.2	0900 - 1415	2		E	STIM	STIM	CTU	BCT	12012	12012			OPEN THE WELL AND RECORD SIWHP AT 830 PSI, RAWABI OPEN THE WELL TO PRODUCTION LINE & OBSERVE WHP EQUALIZE AT 430 PSI, BAKER COMMENCE RIH WITH CTU AT 50 FT/MIN TO DEPTH 10,364 FT (TOP OF SCREENS), NESR CMT UNIT PUMPING FRICTION REDUCER LUBRICANT AT 0.3 BPM. - BAKER PERFORM PULL TEST EVERY 1,000 FT. - WHP CONTINUE TO DROP TO 90 PSI WITH NO RETURN ON SURFACE. - TOTAL LUBRICANT FLUID PUMPED DURING RIH 100 BBLS.
03.0	1415 - 1715	2		E	STIM	STIM	CTU	BCT	12012	12012			AT 10,364 FT (TOP OF SCREENS), NESR DISPLACE COIL W/ PREFLUSH TREATMENT (KCL 5% & CLAYTREAT 0.5%), BAKER CONTINUE RIH WITH COIL AT 40 FT/MIN MEANWHILE NESR PUMPING PREFLUSH TREATMENT AT 1.0 BPM & 4,050 PSI TILL REACH 11,899 FT. - TOTAL PREFLUSH PUMPED 150 BBLS - NO RETURN AT SURFACE WHILE PUMPING PREFLUSH.
04.8	1715 - 2200	2		E	STIM	STIM	CTU	BCT	12012	12012			NESR DISPLACE COIL WITH SOLVENT TREATMENT, COMMENCE PUMP SOLVENT ACROSS SCREENS AT 1 BPM MEANWHILE BAKER POOH WITH COIL AT 6-6.5 FT/MIN, TO 10,364 FT (TOP OF SCREENS). - TOTAL SOLVENT TREATMENT PUMPED AT THIS STAGE 250 BBLS
01.0	2200 - 2300	2		E	STIM	STIM	CTU	BCT	12012	12012			CLOSE CHOKE AND BULLHEAD REAMING 50 BBLS OF SOLVENT TREATMENT, AT 1 BPM & 240 - 290 PSI WHP. - TOTAL SOLVENT TREATMENT PUMPED IN THE WELL 300 BBLS.
03.5	2300 - 0230	2		E	STIM	STIM	CTU	BCT	12012	12012			POOH W BAKER CT JET ASSY TO SURFACE, MEANWHILE LET TREATMENT SOAK IN & MONITOR WHP.
02.5	0230 - 0500	2		E	STIM	STIM	CTU	BCT	12012	12012			CONTINUE SOAKING TIME FOR TOTAL OF 6 HRS, OBSERVE & MONITOR SIWHP 215 PSI AT REPORT TIME, CONCURRENTLY HOLD PRE JOB SAFETY MEETING WITH ALL CREW FOR FLOWBACK OPERATION.

ODF TO TS = 35.6 FT | PRT TO TS = 49.17 FT | ODF = PRT - 13.57 FT.

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ARAMCO CLERK, NOEL MACDON (ID# 8047766) ON BOARD SINCE 12/30/2022.

ARAMCO FCT, ABDULLAH FILIMBAN (ID# 780242) ON BOARD SINCE 02/22/2023.

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NO ANCHORING RESTRICTIONS AT MRJN-121/126, 310, 320 PLATFORM.

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CURRENT PLATFORM MRJN-121/126, 310, 320 FOR TWO MECHANICAL WORKOVERS.

1ST WELL: MRJN-122, PERFORM COIL TUBING STIMULATION AND FLOW BACK FOR CLEAN UP W/ PLT LOGS POSSIBILITY.

2ND WELL: MRJN-320, PERFORM COIL TUBING STIMULATION AND FLOW BACK FOR CLEAN UP.

**NEXT PLATFORM: SHIPYARD (TBC).**

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS														
<b>MUD DATA</b>																											
MUD TREATMENT																											
BIT DATA																											
DRILL STRING																											
<table border="1"> <thead> <tr> <th>Order</th><th>Component</th><th>Provider</th><th>Nominal Size</th><th># Joints</th><th>OD Size</th><th>ID Size</th><th>Length</th><th>Top Thread</th><th>Bottom Thread</th><th>Weight</th><th>Grade</th><th>Class</th><th>Serial #</th></tr> </thead> </table>														Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #														
Miscellaneous	BOP Test	BOP Drills		Wind			Sea		Weather		DSLTA	Safety Meeting															
		<b>AS REQUIRED</b>		<b>N 30-33 KNOTS</b>			<b>3 - 4 FT</b>		<b>SEASONAL</b>		<b>5004</b>	<b>TOURLY</b>															
Real-Time Data Quality			Sensors Quality			<b>57%</b>	Data Frequency			<b>100%</b>	Real-Time Hrs		<b>11.49/24 hrs</b>														
Personnel and Services Information	COMPANY		RIG	BCT	RIG	BDF	RIG	RIG	ARM	NCS	HSL	ARM	RWC														
	CATEGORY		CTR G	COIL	RIG	DFMS	MED	OTHR	OTHR	PCS	SLS	WSC	WTSE														
	NO. OF PERSONS		12	6	43	1	1	4	2	2	3	4	8														
	OPERATING HRS.		0	24	24	0	0	0	12	15	0	24	24														
	ON LOCATION HRS.		24	24	24	0	24	24	24	24	24	24	24														
Trucks/Boats	Standby/Tankers																										
	<b>HADI-41</b>																										
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX																					
REPAIR ASAP	Instrumentation	Other											Reporter														
	Computer, Communication & V-Sat Issues																										

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Total  
**86**

Date	Well No (Type) :	Rig	Foreman(s)	PRADO, MARTIN/ ELSERAFY, HATEM ABDELAAL/
MONDAY 02/27/2023	MRJN-905 (OIL EVALUATION MLS WELL TO EVALUATE EAST AREA OF MRJN FIELD)	ADM-337	Engineer	KHALIFA, SALEH HUSSAIN/
			Superintendent	FARTAS, ZAHIR EL AMAR
			RIG FORMAN VSAT	OTHER VSAT
	THURAYA 008821677711075 378-2132		00966135106202	CONTRACTOR/CLERK VSAT 378-2133
	Charge (66- 22073- #: 0905)	Wellbores: (0) MRJN_905_0		

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
9681	P/T BOPE. RIH 8 1/2" C/O ASSY. CIRCULATE 1.5 BU AT SHOE.	SLIP AND CUT DRILL LINE. RIH AND WASH DOWN TO BOTTOM. CHC. POOH TO RUN SLB VSP LOGGING TOOLS.	MRJN-905	79.2 (12/09/2022@1330)	<b>PROG</b> 8247 MD / 8247 YAMM 8298 TVD; ACTUAL = 51' LOWER <b>URTR</b> 8383 NO PROG <b>SULY</b> 8584 PROG 8,532 MD/TVD; ACTUAL = 52' LOWER <b>LRTR</b> 8629 NO PROG <b>MNFR</b> 9170 PROG = 9,141' MD/TVD; ACTUAL = 29' LOWER <b>BMFR</b> 9260 PROG = 9,217' MD/TVD; ACTUAL = 43' LOWER <b>HITH</b> 9296 PROG = 9,256' MD/TVD; ACTUAL 40' LOWER <b>ABAR</b> 9540 PROG = 9,485' MD/TVD; ACTUAL = 55' LOWER <b>BUAR</b> 9634 PROG = 9,578' MD/TVD; ACTUAL = 56' LOWER

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
3681					9 5/8	83198315		6000	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
05.0	0500 - 1000	0	8 1/2	E	LOG	OTH	NA	RIG	9681	9681			P/T BOPE AS PER S.A WCM AT 300/4,250 PSI ON CHOKE MANIFOLD (ALL TESTS 10 MINS AND CHARTED). MONITOR WELL ON GRAVITY FEED LINES - WELL STATIC.
00.5	1000 - 1030	0	8 1/2	E	LOG	OTH	NA	RIG	9681	9681			MOVE TEST HOSE TO STANDPIPE AND P/T LINES WITH 300/6,000 PSI: GOOD TEST. INSTALL CHECK V/V'S IN KILL SIDE. MONITOR WELL ON GRAVITY FEED LINES - WELL STATIC.
04.0	1030 - 1430	0	8 1/2	E	LOG	OTH	NA	RIG	9681	9681			P/T BOPE AS PER S.A WCM AT 300/5,000 PSI ON STANDPIPE VALVES AND MUD PUMPS (ALL TESTS 10 MINS AND CHARTED). MONITOR WELL ON GRAVITY FEED LINES - WELL STATIC.
00.2	1430 - 1445	0	8 1/2	E	LOG	OTH	NA	RIG	9681	9681			MOVE TEST HOSE TO SES AND P/T LINES WITH 300/6000 PSI: GOOD TEST.
02.0	1445 - 1645	0	8 1/2	E	LOG	OTH	NA	RIG	9681	9681			PRESSURE TEST KILL AND E-KILL CHECK VALVES AT 300/5,000 PSI (ALL TESTS 10 MINS AND CHARTED). GOOD TEST. MONITOR WELL ON GRAVITY FEED LINES - WELL STATIC.
00.8	1645 - 1730	0	8 1/2	E	LOG	OTH	NA	RIG	9681	9681			PERFORM ACCUMULATOR DRAW DOWN TEST- OK; FUNCTION BOP FROM ALL STATIONS- OK. MONITOR WELL ON GRAVITY FEED LINES - WELL STATIC.
02.0	1730 - 1930	0	8 1/2	E	LOG	OTH	NA	RIG	9681	9681			PULL TEST PLUG AND L/D BOP TEST ASSY.
01.0	1930 - 2030	0	8 1/2	E	LOG	OTH	NA	RIG	9681	9681			RUN AND SET WEAR BUSHING. LOCK IN WELL HEAD WITH LOCK DOWN SCREW. MONITOR WELL ON TRIP TANKS - WELL STATIC.
00.8	2030 - 2115	0	8 1/2	E	LOG	CIRC	MPMP	RIG	9681	9681			FILL UP BOP STACK, FLUSH CHOKE MANIFOLD AND ALL SURFACE LINES WITH 75 PCF WBM.
02.8	2115 - 0000	0	8 1/2	E	LOG	TI	STHDP	RIG	9681	9681	0	980	HPJSM, MAKE UP AND RIH WITH 8 1/2" CLEAN OUT BHA F/ SURFACE T/980'. FILL UP AND BREAK CIRCULATION. MONITOR WELL ON TRIP TANK - CORRECT DISPLACEMENT.
03.8	0000 - 0345	0	8 1/2	E	LOG	TI	STDPA	RIG	9681	9681	980	8235	RIH WITH 8 1/2" CLEAN OUT BHA F/980' T/ 8,235'. FILL PIPE AND BREAK CIRCULATION EVERY 20 STDs. MONITOR WELL ON TRIP TANK - CORRECT DISPLACEMENTS.
01.0	0345 - 0445	0	8 1/2	E	LOG	CIRC	MPMP	RIG	9681	9681			CIRCULATE 1.5 BOTTOMS UP AT 9 5/8" CASING SHOE W/500 GPM AND 1350 PSI. NO GAS OR CUT MUD OBSERVED.
00.2	0445 - 0500	0	8 1/2	E	LOG	RR	DWKS	RIG	9681	9681			SLIP AND CUT DRILL LINE. MONITOR WELL ON TRIP TANKS - WELL STATIC.

#### WELL OBJECTIVE / DATA:

- MRJN-905: VERTICAL OIL-EVALUATION/DELINEATION MLS WELL. PRIMARY RESERVOIR TARGET IS ARAB-B RESERVOIR AT 9,640' MD/TVD

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#### OPEN WATER LOCATION DATA:

- LAT = 28DEG 20.778 N; LONG = 49DEG 46.064 E; RIG HEADING = 014 DEG

- LEG PENETRATIONS: \*BOW 3.93FT; \*PORT 2.6FT. FT; \*STBD 3.6 FT; \*WATER DEPTH: 169 FT; AIR GAP: 45 FT (FROM CHART DATUM OR LAT)

- RKB TO PLATFORM MAIN DECK: N/A; RKB TO MSL (WATER LINE): 130.4 FT; RKB TO MUD LINE (SEABED): 299.4 FT

**SAFETY:**

- LC-50 SAMPLE SENT FROM MRJN-905 12 1/4" INNOVERT OBM 87 PCF, 05-FEB-023 ON POSH SANDPIPER MM# 2400603634
- REVIEW STOP CARDS & DAILY OBSERVATIONS SUBMITTED IN SLS YTD= 900; NEAR MISS SUBMITTED IN SLS: / YTD: 3
- DISTRIBUTE & REVIEW ARAMCO SAFETY HSE ALERTS W/ ALL POB
- RUN ADES SWA CAMPAIGN W/ ALL POB - ON-GOING
- PERFORM H2S AND ABANDON SHIP DRILL - 2/20/23
- PERFORM THURAYA CHECK ECC - 2/26/23

**PERSONAL:**

- ARAMCO CLERK ABDULRHMAN ALMOTIRI # 8504940 ON-BOARD FR/ 2-01-2023
- ARAMCO HSE DIJITH NELLERI # 8559001 ON BOARD FR/ 2-25-2023

**MLC:**

- 30" -314.58'
- 18 5/8" - 314'
- 13 3/8" - 313'
- 9 5/8" - 314'

**HOLE SECTION / CASING POINT:**

- 30" SECTION PLANNED= 577'; ACTUAL= 582' MD/TVD; CASING SET AT 582'
- 22" SECTION PLANNED= 2748' ACTUAL= 2800' MD/TVD; CASING SET AT 2790' MD/ 2788' TVD
- 16" SECTION PLANNED= 5735' ACTUAL= 5773' MD/TVD; CASING SET AT 5763' MD/ 5761' TVD
- 12-1/4" SEC PLANNED= 8277' ACTUAL= 8328' MD /8325'TVD; CASING SET AT 8319' MD/ 8315' TVD
- 8-1/2 SEC PLANNED= 9640' ACTUAL= 9681' MD /9678'TVD

**WAIT ON TIME:**

- WEATHER: 0 HRS; CUMULATIVE: 0 HRS.
- MARINE: 0 HRS; CUMULATIVE: 0 HRS.
- PRODUCING 0 HRS; CUMULATIVE: 0 HRS.
- TOOLHOUSE 0 HRS; CUMULATIVE: 0 HRS.

**RIG MOVE DATA: MRJN-905 TO KARN-35/43 (WELL K-37)**

- PDS REQUEST 8800018854 - APPROVED - SCHEDULED FOR WEEK 4-5 2023
- RM-2023-4008372 FR/ MRJN-905 TO SEA (RT ANCHORAGE) (02/28/2023) - APPROVED
- RIG MOVE MEETING: FEB-15-2023 @ 10:00AM

**Remarks**

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS			
MUD DATA	Weight <b>75</b> PCF	Funnel Vis. <b>69</b> SEC	Filtrate(WL) <b>7.8</b> HTHP	Filtrate (WL) API	PV <b>33</b>	YP <b>23</b>	Electrical Stability 0 Volts	3/6 RPM <b>8 / 10</b>	Gels Sec/Min <b>9 / 13</b>	PH <b>9.7</b>	CA PPM <b>280</b>	CL PPM <b>31000</b>				
	FL Temp <b>0</b>	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type <b>NCPOL</b>	Water Well #					
	Weight <b>75</b> PCF	Funnel Vis. <b>68</b> SEC	Filtrate(WL) <b>7.8</b> HTHP	Filtrate (WL) API	PV <b>32</b>	YP <b>23</b>	Electrical Stability 0 Volts	3/6 RPM <b>8 / 10</b>	Gels Sec/Min <b>9 / 13</b>	PH <b>9.8</b>	CA PPM <b>280</b>	CL PPM <b>31000</b>				
	FL Temp <b>0</b>	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type <b>NCPOL</b>	Water Well #					
	Weight <b>75</b> PCF	Funnel Vis. <b>69</b> SEC	Filtrate(WL) <b>7.8</b> HTHP	Filtrate (WL) API	PV <b>32</b>	YP <b>24</b>	Electrical Stability 0 Volts	3/6 RPM <b>8 / 10</b>	Gels Sec/Min <b>9 / 13</b>	PH <b>9.8</b>	CA PPM <b>280</b>	CL PPM <b>31000</b>				
	FL Temp <b>0</b>	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type <b>NCPOL</b>	Water Well #					
	MUD TREATMENT															
	BIT DATA															
DRILL STRING	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	<b>1</b>	<b>Bit</b>			<b>REED</b>	<b>8.5</b>	<b>1</b>	<b>8.5</b>	<b>0</b>	<b>0.81</b>	<b>4.5 RP</b>		<b>0</b>		<b>T290650</b>	
	<b>2</b>	<b>Near Bit Roller Reamer</b>			<b>RIG</b>	<b>8.5</b>	<b>1</b>	<b>8.5</b>	<b>2</b>	<b>9.62</b>	<b>4 1/2 IF</b>	<b>4.5 R</b>	<b>0</b>		<b>130345838</b>	
	<b>3</b>	<b>Crossover</b>			<b>RIG</b>	<b>6.75</b>	<b>1</b>	<b>6.75</b>	<b>3</b>	<b>2.61</b>	<b>4 IF</b>	<b>4 1/2 IF</b>				
	<b>4</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>6.5</b>	<b>1</b>	<b>6.5</b>	<b>2.75</b>	<b>30.92</b>	<b>4 IF</b>	<b>4 IF</b>	<b>0</b>			
	<b>5</b>	<b>String Reamer</b>			<b>RIG</b>	<b>8.5</b>	<b>1</b>	<b>8.5</b>	<b>1.875</b>	<b>8.87</b>	<b>4 IF</b>	<b>4 IF</b>	<b>0</b>		<b>130345854</b>	
	<b>6</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>6.5</b>	<b>12</b>	<b>6.5</b>	<b>2.75</b>	<b>370.76</b>	<b>4 IF</b>	<b>4 IF</b>	<b>0</b>			
	<b>7</b>	<b>Hydraulic Jar</b>			<b>SJS</b>	<b>6.5</b>	<b>1</b>	<b>6.5</b>	<b>2.75</b>	<b>31.19</b>	<b>4 IF</b>	<b>4 IF</b>	<b>0</b>		<b>9359614-008</b>	
	<b>8</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>6.5</b>	<b>2</b>	<b>6.5</b>	<b>2.25</b>	<b>62.15</b>	<b>4 IF</b>	<b>4 IF</b>	<b>0</b>			
	<b>9</b>	<b>Crossover</b>			<b>RIG</b>	<b>6.75</b>	<b>1</b>	<b>6.75</b>	<b>2.1</b>	<b>2.17</b>	<b>XT-54</b>	<b>4 IF</b>	<b>0</b>			
	<b>10</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>5.5</b>	<b>15</b>	<b>6.625</b>	<b>3.25</b>	<b>460.59</b>	<b>XT-54</b>	<b>XT-54</b>	<b>0</b>			
Miscellaneous	BOP Test <b>02/08/2023</b>		BOP Drills		Wind <b>12-14 KNOTS</b>		Sea <b>2-3 FT</b>		Weather <b>SEASONAL</b>		DSLTA <b>4364</b>	Safety Meeting <b>TOURLY</b>				
	Real-Time Data Quality				Sensors Quality			<b>0%</b>	Data Frequency		<b>100%</b>	Real-Time Hrs		<b>11.49/24 hrs</b>		
Personnel	COMPANY		<b>FMC</b>	<b>GOS</b>	<b>RIG</b>	<b>BDF</b>	<b>SJS</b>	<b>BLH</b>	<b>SGR</b>	<b>ARM</b>	<b>SCM</b>	<b>ARM</b>	<b>SWL</b>			
	CATEGORY		<b>CSR</b>	<b>CTR G</b>	<b>RIG</b>	<b>DFMS</b>	<b>JST</b>	<b>LHES</b>	<b>MLS</b>	<b>OTHR</b>	<b>PCS</b>	<b>WSC</b>	<b>WLS</b>		Total	

and Services Information	NO. OF PERSONS	1	14	54	2	0	2	2	2	1	2	6
	OPERATING HRS.	0	0	24	24	0	0	24	24	24	24	0
	ON LOCATION HRS.	24	24	24	24	0	24	24	24	24	24	24

  

Trucks/Boats	Standby/Tankers											
	<b>TOPAZ KARAMA</b>											

  

BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX						
	<b>4924</b>	<b>2089</b>	<b>1983</b>	<b>4884</b>	<b>1462</b>	<b>3673</b>						

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REPAIR  
ASAP

Instrumentation	Other	Reporter
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Computer, Communication & V-Sat Issues

D&WO Morning Report (Service Providers View)  
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 Daily OffShore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>MRJN-3013 (GAS INJECTOR)</b> Charge (66- 22073-#: <b>3013)</b> Wellbores: (0) MRJN_3013_0	Rig <b>ADM-339</b>	Foreman(s) <b>GIACCHINO, IVANO/ ABDELKHALEK, MOHAMED ELSAYED/</b> Engineer Superintendent <b>OKE, OMOLOLU OLALOWO/ FARTAS, ZAHIR EL AMAR</b>		
		THURAYA <b>008821677712238</b>	RIG FORMAN VSAT <b>876-5260</b>	CONTRACTOR/CLERK VSAT <b>00966135106192</b>	CONTRACTOR/CLERK VSAT <b>876-5631</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>11787</b>	<b>CONTINUE WASH &amp; REAM OPEN HOLE. CHC. PERFORM WIPER TRIP. CHC. PERFORM PST. SPOT LUBRAGLIDE PILL.</b>	<b>FLOW CHECK WELL. POOH W/ 8-1/2" REAMING BHA AND L/D THE SAME. RUN LOWER COMPLETION.</b>	<b>MRJN-3013</b>	<b>55.7</b> (02/07/2023@1100)	

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>11787</b>					<b>9 5/8</b>	<b>80506541</b>		<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
00.5	0500 - 0630	0	N	CT	RW	BIT	RIG	11787	11787	11460	11787	REAM DOWN OPEN HOLE WITH 8-1/2" REAMING BHA WITH 600GPM, 100RPM, 2070 PSI, 8-14K TORQ, F/ 11,460' TO 11,787'.				
01.8	0630 - 0815	0	N	CT	CIRC	MPMP	RIG	11787	11787			PUMP TANDEM PILL AND CIRCULATE HOLE CLEAN @ 600GPM, 2020PSI WHILE RECIPROCATING AND ROTATING STRING AT 100 RPM. LEL 0%.				
00.5	0815 - 0845	0	N	CT	CIRC	MPMP	RIG	11787	11787			FLOW CHECK WELL ON TT - WELL STATIC.				
04.0	0845 - 1245	0	N	CT	ST	STDP	RIG	11787	11787	11787	7967	POOH WITH 8-1/2" REAMING ASSMBLY WITH 5-1/2" DP ON ELEVATORS F/ 11,787' TO 7,967' HOLE IN A GOOD CONDITION. MONITOR WELL ON TT - CORRECT DISPLACEMENT.				
00.5	1245 - 1315	0	N	CT	CIRC	MPMP	RIG	11787	11787			FLOW CHECK WELL FOR 30 MINS - WELL STATIC.				
01.2	1315 - 1430	0	N	CT	CIRC	MPMP	RIG	11787	11787			CIRCULATE B/U @ 600 GPM, 1,612 PSI. NO LEL OBSERVED.				
04.8	1430 - 1915	0	N	CT	ST	STDP	RIG	11787	11787	7967	11787	RIH WITH 8-1/2" REAMING BHA ON ELEVATORS ON 5-1/2" DP F/ 7,967' TO 11,787' HOLE IN A GOOD CONDITION. MONITOR WELL ON TT - CORRECT DISPLACEMENT.				
09.8	1915 - 0500	0	N	CT	CIRC	MPMP	RIG	11787	11787			CIRCULATE HOLE CLEAN @ 11787' WHILE RECIPROCATING AND ROTATING STRING. CONDUCT PST TEST - GOOD TEST WITH 3 X 300 ML SAMPLES FROM SAME COUPON - WITNESSED BY FOREMAN. SPOT 260BBLS LUBRAGLIDE PILL.				

**WELL: SINGLE LATERAL WELL TARGETING THE MAIN KHAFJI RESERVOIR GAS CAP SLOT#3 ON MRJN-3011/3020 PLATFORM.**

**THE WELL WILL BE BATCHED DRILLED ALONG WITH 4 OTHER WELLS (MRJN-3011, 3017, 3012 & 3014) ON THE PLATFORM.**

#### RIG:

- FINAL POSITION: LAT - 28DEG 24.92' N; LONG - 049DEG 39.19' E; RIG HEADING: 331.
- WATER DEPTH: 152 FT; AIR GAP: 55 FT; RKB TO WATER LINE: 140.38 FT.

#### SAFETY:

- REVIEW ALL SAUDI ARAMCO ALERTS & LIFE-SAVING RULES W/ ALL POB
- HOLD TOURLY SAFETY MEETING AS PER ADES AND SAUDI ARAMCO
- RESPOND TO DAILY ARAMCO RADIO CHECK WITH ECC: OK
- THURAYA CHECK CALLING ECC: OK ON 19-FEB-2023
- RUN E-GEN FOR 2HRS ON 19-FEB-2023
- HELD H2S, FIRE, & EVAC DRILLS ONBOARD 25-FEB-2023
- WEEKLY SAFETY MEETING HELD ONBOARD 15-FEB-2023

- LC-50 SAMPLE SENT FROM MRJN-3017 8-1/2" WBM 74 PCF NACL POLYMER, 29-NOV-22 ON SAVOY TIDE MM# 2400592966

#### RENTAL TOOLS:

- 9-5/8" HES MST (FAS-DRILL), RECEIVED 5-NOV-22 (WITH EZSV RUN KIT)
- 7" HES MST (FAS-DRILL), RECEIVED 03-DEC-22
- 9 5/8" RTTS PACKER S/N 10292295 WITH STORM VALVE S/N 12343948 RECEIVED 07-FEB-23
- 6-3/4" PBL SUB S/N# WES675SBP883, RECEIVED 04-FEB-23
- 6-3/4" PBL SUB S/N# OSC675SBP519, RECEIVED 04-FEB-23
- 6-1/2" DRILLING JAR, S/N# 44532K, RECEIVED 04-FEB-23
- 8-1/2" STRING MILL, LVA# 130933227, RECEIVED 01-FEB-23
- 8-1/2" NEAR BIT REAMER, LVA# 130015753, RECEIVED 04-FEB-23
- 8-1/2" REAMER, LVA# 130035722, RECEIVED 04-FEB-23
- 8-1/2" DOG LEG REAMER, S/N# G288633, RECEIVED 11-FEB-23
- 9-5/8" CSG SCRAPER, S/N# WBS9-101666, RECEIVED 11-FEB-23
- 9-5/8" WDR, S/N# WBS9-80606, RECEIVED 11-FEB-23
- 10-3/4" CSG SCRAPER, S/N# WBS9-101667, RECEIVED 11-FEB-23

#### PERSONNEL:

- ARAMCO CLERK, JOSELITO REANTAZO ID#8046340 ONBOARD 09/06/2022,
- ARAMCO PDP, MOHAMMED ALKHALDI ID#816418 ONBOARD 02/17/2023
- ARAMCO DE, OKE OMOLOLU ID#722451 ONBOARD 02/24/2023

- WAIT ON WEATHER: TODAY 0 HRS / CUMULATIVE 0 HRS
- WAIT ON PRODUCING: TODAY 0 HRS / CUMULATIVE 0 HRS
- WAIT ON MARINE: TODAY 0 HRS / CUMULATIVE 0 HRS
- WAIT ON TOOL HOUSE: TODAY 0 HRS / CUMULATIVE 0 HRS

DAILY FUEL CONSUMPTION = 88 BBLS; MRJN-3013 = 6,877 BBLS

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS											
MUD DATA	Weight <b>80</b> PCF	Funnel Vis. <b>78</b> SEC	Filtrate(WL) <b>2.4</b> HTHP	Filtrate (WL) API	PV <b>29</b>	YP <b>24</b>	Electrical Stability <b>585</b> Volts	3/6 RPM <b>8 / 9</b>	Gels Sec/Min <b>9 / 15</b>	PH	CA PPM <b>34800</b>	CL PPM														
	FL Temp <b>120</b>	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type <b>INOVERT</b>	Water Well #															
	Weight <b>80</b> PCF	Funnel Vis. <b>79</b> SEC	Filtrate(WL) <b>2.4</b> HTHP	Filtrate (WL) API	PV <b>28</b>	YP <b>24</b>	Electrical Stability <b>572</b> Volts	3/6 RPM <b>8 / 9</b>	Gels Sec/Min <b>9 / 14</b>	PH	CA PPM <b>36400</b>	CL PPM														
	FL Temp <b>0</b>	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type <b>INOVERT</b>	Water Well #															
	Weight <b>80</b> PCF	Funnel Vis. <b>76</b> SEC	Filtrate(WL) <b>2.2</b> HTHP	Filtrate (WL) API	PV <b>28</b>	YP <b>25</b>	Electrical Stability <b>585</b> Volts	3/6 RPM <b>8 / 9</b>	Gels Sec/Min <b>9 / 14</b>	PH	CA PPM <b>36400</b>	CL PPM														
	FL Temp <b>115</b>	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type <b>INOVERT</b>	Water Well #															
MUD TREATMENT	CAOH2 <b>15</b> (55LB)																									
BIT DATA																										
DRILL STRING	Order	Component		Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #											
	1	Bit		REED	<b>8.5</b>	1	<b>8.5</b>	0	0.31	4-1/2" Reg		0			<b>T290656</b>											
	2	Near Bit Roller Reamer		ARM	<b>8.125</b>	1	<b>8.125</b>	2	5.3	4" IF	4-1/2" Reg	0			<b>130015753</b>											
	3	Drillcollar		RIG	<b>6.5</b>	1	<b>6.5</b>	<b>2.875</b>	<b>30.8</b>	4" IF	4" IF	0			<b>9523</b>											
	4	Crossover		RIG	<b>6.5</b>	1	<b>6.5</b>	<b>2.875</b>	<b>2.85</b>	4-1/2" IF	4" IF	0			<b>20115487</b>											
	5	Component Not listed		NRT	<b>6.5</b>	1	<b>8.125</b>	3	4.07	4-1/2" IF	4-1/2" IF	0			<b>G288633</b>											
	6	Crossover		RIG	<b>6.5</b>	1	<b>6.5</b>	3	2.8	4" IF	4-1/2" IF	0			<b>10-218640</b>											
	7	Drillcollar		RIG	<b>6.5</b>	2	<b>6.5</b>	<b>2.875</b>	<b>61.15</b>	4" IF	4" IF	0			<b>ON FILE</b>											
	8	Roller Reamer		ARM	<b>8.5</b>	1	<b>8.5</b>	2	8.84	4" IF	4" IF	0			<b>13035722</b>											
	9	Drillcollar		RIG	<b>6.5</b>	1	<b>6.5</b>	2	31	4" IF	4" IF	0			<b>5529</b>											
	10	Crossover		RIG	<b>6.5</b>	1	<b>6.5</b>	<b>2.25</b>	<b>2.61</b>	VX54	4" IF	0			<b>PRO83111-1</b>											
	11	Crossover		ARM	<b>5.5</b>	1	<b>5.5</b>	4	1.45	XT54	XT54	0			<b>130673829</b>											
	12	Heavy Weight Drillpipe (HWDP)		RIG	<b>5.5</b>	3	<b>5.5</b>	<b>3.25</b>	<b>90.3</b>	XT54	XT54	0			<b>ON FILE</b>											
	13	Hydro-Mechanical Jar		SJS	<b>6.5</b>	1	<b>6.5</b>	<b>2.75</b>	<b>31.21</b>	XT54	XT54	0			<b>44532K</b>											
	14	Heavy Weight Drillpipe (HWDP)		RIG	<b>5.5</b>	3	<b>5.5</b>	<b>3.25</b>	<b>90.65</b>	XT54	XT54	0			<b>ON FILE</b>											
	15	Crossover		ARM	<b>5.5</b>	1	<b>5.5</b>	4	1.42	VX54	XT54	0			<b>130923320</b>											
	16	Drillpipe		RIG	<b>5.5</b>	1	<b>5.5</b>	0	1	VX54	VT54	0			<b>ON FILE</b>											
Miscellaneous	BOP Test <b>02/24/2023</b>	BOP Drills		Wind <b>30-35 KTS N</b>		Sea <b>5-6 FT</b>		Weather <b>SEASONAL</b>		DSLTA <b>4253</b>		Safety Meeting <b>DAILY/WEEKLY</b>														
	Real-Time Data Quality		Sensors Quality		71%	Data Frequency		50%	Real-Time Hrs		10.73/24 hrs															
Personnel and Services Information	COMPANY		FMC	GOS	BC	HCO	RIG	BDF	MIF	SJS	ARM	HCM	HSL	ARM	FME											
	CATEGORY		CSR	CTRG	PSSC	PSSC	RIG	DFMS	FILT	JST	OTHR	PCS	SLS	WSC	WHES											
	NO. OF PERSONS		4	14	4	3	52	2	2	0	3	2	3	2	1											
	OPERATING HRS.		0	0	0	0	24	24	0	24	12	24	0	24	0											
	ON LOCATION HRS.		24	24	24	24	24	24	24	0	24	24	24	24	24											
Trucks/Boats	Standby/Tankers <b>HADI-41</b>														Total <b>92</b>											
BULK	Drill Wtr.-BBLS <b>3591</b>	Pot Wtr.- BBLS <b>3108</b>		Fuel- BBLS <b>1840</b>		Barite- SX <b>7630</b>		Bentonite - SX <b>2887</b>		Cement G- SX <b>2887</b>																
REPAIR ASAP	Instrumentation		Other																							
	Computer, Communication & V-Sat Issues														Reporter											

Date	MONDAY 02/27/2023	Well No (Type) :	<b>SFNY-1359 (OIL PRODUCER)</b>	Rig	Foreman(s)	<b>SEPULVADO, RONALD JASON/ CORREA, DAVID EDUARDO FERNANDEZ/ LIBREROS MUÑOZ, CAMILO ERNESTO/ CHIU, CHEE YANG/ HAWSAWI, ABDULLAH OMAR</b>
Charge	(66- 22013-#: <b>1359</b> )	Wellbores:	(0) SFNY_1359_0	Engineer		
				Superintendent		

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>3920</b>	<b>DRILL 16" HOLE SECTION TO CP (CP +/-4712'), CHC, AND WIPER TRIP</b>	<b>4.647 KW N13W OF SFNY-280</b>	<b>7.7</b> (02/23/2023@0700)	<b>ARUM</b>	<b>3584</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>3045</b>			<b>18 5/8</b>	<b>1254</b>	<b>1236</b>			<b>875</b>	<b>90</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	LT TYPE	LT ID	Summary of Operations					
									Start	End								
06.5	0500 - 1130	0	16	N	DRLG	DMS	MMOT	SPS	3045	3300			DIRECTIONAL DRILL 16" HOLE SECTION WITH HLB MM/MWD BHA.					
00.5	1130 - 1200	0	16	N	DRLG	PJSM	NA	RIG	3300	3300			HELD SAFETY STANDDOWN WITH ALL CREWS: DISCUSSED ARAMCO LIFE SAVING RULES, PTW, AND SWA.					
00.5	1200 - 1230	0	16	N	DRLG	CIRC	MPMP	RIG	3300	3300			PUMP HVS AND CHC BEFORE ENTERING ARUMA PER UPDATED PROJECTION FROM GOC.					
07.8	1230 - 2015	0	16	N	DRLG	DMS	MMOT	SPS	3300	3680			DIRECTIONAL DRILL 16" HOLE SECTION WITH HLB MM/MWD BHA.					
02.5	2015 - 2245	0	16	N	DRLG	WO	NA	ARM	3680	3680		WON	909620	WOW, WIND SPEEDS 35-39 KNOTS, SUSPEND CRANE OPERATIONS. MEANWHILE CHC				
00.8	2245 - 2330	0	16	N	DRLG	DMS	MMOT	SPS	3680	3730			DIRECTIONAL DRILL 16" HOLE SECTION WITH HLB MM/MWD BHA.					
									- OBSERVED 150 BPH DOWN HOLE LOSSES AT 3690'									
00.5	2330 - 0000	0	16	N	DRLG	SDR1	NA	RIG	3730	3730			HELD SAFETY STANDDOWN WITH ALL CREWS: DISCUSSED ARAMCO LIFE SAVING RULES, PTW, AND SWA.					
05.0	0000 - 0500	0	16	N	DRLG	DMS	MMOT	SPS	3730	3920			DIRECTIONAL DRILL 16" HOLE SECTION WITH HLB MM/MWD BHA WITH 90% RETURNS.					
									- DYNAMIC DOWN HOLE LOSS RATE 150 BPH					- PUMP LCM SWEEPS EACH STAND				
									- DROPPING 6 RAPIDS STICKS AND USING CONDET ON CONNECTIONS					- DAILY: SLIDING HRS 1.0 / 43 FT, ROTATING HRS 19.0 / 832 FT				
									- TOTAL: SLIDING HRS 3.5 / 99 FT, ROTATING HRS 51.25 / 1701 FT									

#### Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
27 Feb 2015 - 2245	2.5	2.5	909620		WON	WTHR	NA	ARM	3680	WOW, WIND SPEEDS 35-39 KNOTS, SUSPEND RIG CRANE OPERATIONS.

SFNY-1359 WILL BE DRILLED AS A SINGLE LATERAL HORIZONTAL PRODUCER TARGETING SFNY RESERVOIR TO A TOTAL DEPTH OF +/- 9,557 FT MD WITH +/-3,000 FT OF RESERVOIR CONTACT.

\* SFNY-281/286-1359/1361 PLATFORM IS ZERO DISCHARGE AS PER SAES-A-103 (MINIMUM WATER DEPTH 50 FT/15M)

#### HSE:

- DRILLS:

- ALERTS: REVIEW AND COMMENT WITH ALL CREWS INITIAL ADM-683 IRON ROUGH NECK INCIDENT INVESTIGATION REPORT

\* LC50 SAMPLE: ZERO DISCHARGE

\* SFNY-1359 LOCATION: SFNY- 281/286, 1359/1361

\* COORDINATES: N-3122732.42 E-287625.52 (UTM AAA)

\* RIG HEADING: 349 DEG

\* WATER DEPTH: 52FT (15.8M)

\* AIR GAP: 54 FT

\* RKB TO MSL: 118 FT

\* LEG PENETRATION: BOW=9.1 FT; PORT=9.2 FT; STBD= 9.0 FT

\* NO ANCHORING PORT SIDE DIRECTION OF THE RIG.

#### BATCH DRILLING SEQUENCE:

\* 16" HOLE: SFNY-1359, SFNY-1360, SFNY-1361

\* 12-1/4" HOLE: SFNY-1359, SFNY-1360, SFNY-1361

\* 8-1/2" HOLE: SFNY-1359, SFNY-1360, SFNY-1361

\* EOW: SFNY-1359, SFNY-1360, SFNY-1361

\* FLOWBACK: SFNY-1359, SFNY-1360, SFNY-1361

#### CASING POINTS:

\* 32" CONDUCTOR SET AT 226'

\* 18-5/8" CASING SET AT 1245'

\* 13-3/8" CASING @ 4740' 100 FT TVD IN LAMS (PLANNED)

\* 9-5/8" CASING @ 6862' TE SAFANIYA RESERVOIR (PLANNED)

#### DIRECTIONAL PLAN L-0 #3:

\* LAST SURVEY AT 3794' - 0.7' BELOW AND 8.0 RIGHT TO PLAN

#### PERSONNEL ONBOARD:

\* ARAMCO FCT ABDULLAH AL MROBA #780246 ARRIVED ON RIG 21/FEB/2023

#### CONTRACTOR MANAGEMENT VISITS:

\* RIG MANAGER HISHAM AL BOKHARI #7072139 VISIT RIG ON 01/DEC/2022

\* QHSE MANAGER SAGAR RAUT #8923384 VISIT RIG ON 01/DEC/2022

**SKIP & SHIP MANAGEMENT:**

\* SKIPS ON RIG = 15 FULL, 11 EMPTY

\* SKIPS ON BOAT = 13 FULL, 18 EMPTY

\* SKIPS USED TO DATE: 147

\* SKIPS BACKLOADED IN LAST 24 HRS = 13

\* TOTAL SHIPPED: 911 TONS, 3234 BBLS

**NEXT LOCATION: MRJN-904 MLS**

\* EXPECTED DATE FOR MOVE: MAY 02, 2023

\* MRJN-904 MLS SITE SPECIFIC SURVEY CRM-SWO: 8800019236 SUBMITTED 10/JAN/2023

\* MRJN-904 MLS RIG MOVE MEETING SFNY- 281/286 TO SEA RM-2023-XXXXXXX SUBMITTED XXXXX/2023

\* MRJN-904 MLS RIG MOVE MEETING SEA TO MARJN-904 RM-2023-XXXXXXXXX SUBMITTED XXX/2022

**Remarks**

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
0	3794	25.98	324.71	94	3666.16	634.58		-576.06		852.96	0.71
0	3700	25.32	324.45	94	3581.43	601.42		-552.48		813.23	0.61
0	3606	24.78	324.88	95	3496.27	568.95		-529.46		774.37	0.78
0	3511	24.05	325.12	94	3409.77	536.79		-506.93		736.08	0.57
0	3417	23.53	325.46	95	3323.75	505.62		-485.34		699.15	1.05
0	3322	22.53	325.29	94	3236.33	475.04		-464.22		662.97	1.13
0	3228	21.65	323.69	95	3149.23	446.26		-443.70		628.44	0.97
0	3133	20.92	322.13	94	3060.71	418.75		-422.91		594.56	0.98
0	3039	20.15	320.68	95	2972.68	392.97		-402.35		562.02	1.02

MUD DATA	Weight 71 PCF	Funnel Vis. 64 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 20	YP 35	Electrical Stability 0 Volts	3/6 RPM 13 / 15	Gels Sec/Min 13 / 19	PH 9.7	CA PPM 480	CL PPM 59000
	FL Temp 110	Cake HTHP 0	Cake API 1	Water Vol. % 92	Oil Vol. % 1	Solids Vol. % 7	Sand Vol. % 0	% LGS 3.35	MBT 5	Mud type NCPOL	Water Well #	
	Weight 71 PCF	Funnel Vis. 60 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 20	YP 34	Electrical Stability 0 Volts	3/6 RPM 13 / 15	Gels Sec/Min 14 / 19	PH 9.5	CA PPM 400	CL PPM 60000
	FL Temp 110	Cake HTHP 0	Cake API 1	Water Vol. % 91	Oil Vol. % 2	Solids Vol. % 7	Sand Vol. % 0	% LGS 2.27	MBT 5	Mud type NCPOL	Water Well #	
	Weight 71 PCF	Funnel Vis. 65 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 21	YP 31	Electrical Stability 0 Volts	3/6 RPM 12 / 14	Gels Sec/Min 13 / 19	PH 9.7	CA PPM 400	CL PPM 58000
	FL Temp 110	Cake HTHP 0	Cake API 1	Water Vol. % 91	Oil Vol. % 2	Solids Vol. % 7	Sand Vol. % 0	% LGS 3.3	MBT 5	Mud type NCPOL	Water Well #	
	Weight 71 PCF	Funnel Vis. 63 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 22	YP 32	Electrical Stability 0 Volts	3/6 RPM 12 / 14	Gels Sec/Min 14 / 19	PH 9.4	CA PPM 440	CL PPM 58500
	FL Temp 110	Cake HTHP 0	Cake API 1	Water Vol. % 92	Oil Vol. % 1	Solids Vol. % 7	Sand Vol. % 0	% LGS 3.38	MBT 5	Mud type NCPOL	Water Well #	
MUD TREATMENT	SODASH	ODCA125	PACLV	MAX-GUARD	NEWDRLLPLUS	CAUST XC	POLY-SAL	MRBL-M	SOLFLKF	ARC-FIBER-F	RAPIDSWEET DETERGENT	
	10(100LB)	4(55GL)	40(55LB)	8(55GL)	20(50LB)	4(55LB)	16(55LB)	40(55LB)	6(2200L)	33(50LB)	168(25LB)	2(50LBP)

BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out	
	3	S423	16	CDB	258513	MS1976SS3 / 8 X 12 / 3 X 11 / 1.162	1245	3920				
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM
									2750	1050	291	114
										140.06	431	

DRILL STRING	Float Y											
	BHA Hrs: 55											
	String Wt.	Pick Up	Slack Off	Rot. Torque			Jars:	/	55	Shock	/	Mud
	246	252	225	18000			Serial #/Hrs	/		Sub:	/	Motor:
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread
	1	Bit			CDB	16	1	16	5	1.2	7 5/8" Reg	
	2	Mud Motor			SPS	9.625	1	15.75	7.85	36.3	7 5/8 REG	7 5/8 REG
	3	Stabilizer			SPS	14.875	1	14.875	3	6.65	7 5/8 REG	7 5/8 REG
	4	Measurement While Drilling (MWD)			SPS	9.5	1	9.5	6.25	32.23	7 5/8 REG	7 5/8 REG
	5	Screen sub			SPS	9.5	1	9.5	3	6.45	7 5/8 REG	7 5/8 REG
	6	Float Sub			SPS	9.5	1	9.5	3	2.85	7 5/8 REG	7 5/8 REG
	7	Drillcollar			RIG	9.5	7	9.5	3.5	210	7 5/8 REG	7 5/8 REG
	8	Hydro-Mechanical Jar			NPC	9.5	1	9.5	2.5	30	7 5/8 REG	7 5/8 REG
	9	Drillcollar			RIG	9.5	3	9.5	2	60.22	7 5/8 REG	7 5/8 REG
	10	Crossover			RIG	9.5	1	8.5	3	2.6	6 5/8 REG	7 5/8 REG
	11	Drillcollar			RIG	8.5	2	8.5	2.812	92.8	6 5/8 REG	6 5/8 REG
	12	Crossover			RIG	5.5	1	8.5	2.812	2.52	XT 54	6 5/8 REG
	13	Heavy Weight Drillpipe (HWDP)			RIG	5.5	15	5.5	4.6	457	XT 54	XT 54
	14	Drillpipe			RIG	5.5	115	5.5	4.67	3627	XT 54	XT 54

Miscellaneous	BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting						
	TOURLY	25-35 KT NW	3-4	SEASONAL			DAY AND NIGHT STAND DOWN, PRETOURS, PREJOB AS REQUIRED						

Personnel and Services Information	Real-Time Data Quality	Sensors Quality										99%	Data Frequency	100%	Real-Time Hrs	11.49/24 hrs
	COMPANY	CDB	FMC	CSU	HDV	SPS	RIG	EMC	NPC	ARM	BCM	MI3	ARM			
	CATEGORY	BITS	CSR	CTRG	DV	DPDS	RIG	DFMS	JST	OTHR	PCS	WMS	WSC			
	NO. OF PERSONS	1	2	12	1	4	53	2	0	1	2	4	2			
	OPERATING HRS.	24	0	0	0	24	24	24	24	0	24	24	24			
															Total 84	

	ON LOCATION HRS.	24	24	24	24	24	24	0	24	24	24	24	
Trucks/Boats	Standby/Tankers <b>HADI-22</b>												
BULK	Drill Wtr.-BBLS <b>1180</b>	Pot Wtr.- BBLS <b>1779</b>	Fuel- BBLS <b>1098</b>	Barite- SX <b>6570</b>	Bentonite - SX <b>0</b>	Cement G- SX <b>2047</b>							
REPAIR ASAP	Instrumentation Computer, Communication & V-Sat Issues	Other											Reporter

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Date	MONDAY 02/27/2023	Well No (Type) :	<b>SFNY-1501</b> <b>(DUAL PHZ (SFNY RESERVOIR, L4))</b>	Rig	Foreman(s)	<b>DULAIM, AHMED NASER/ LAICHAOUI, ABOU BAKR ESSADDIK/ MUBARAK, MOHAMMED ALI/ BOGHAIL, FAHAD MOHAMMAD/ QAHTANI, SALEM DULAIM</b>			
Charge	(66- 21013-#: <b>1501</b> )	Wellbores:	(1) SFNY_1501_1	Engineer					
Superintendent		THURAYA		RIG FORMAN VSAT	RIG FORMAN VSAT	OTHER VSAT	CONTRACTOR/CLERK VSAT		
		<b>00882-1677712608</b>		<b>3788306</b>	<b>3788307</b>	<b>6737426</b>	<b>6737420</b>		

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>11678</b>	<b>MU &amp; RIH W/ SAMAA VACS TOOL BHA, CHC, POH. RIH W/ SLB HLWM RECEPTACLE JETTING TOOL.</b>	<b>RIH W/ SLB HLWM RECEPTACLE JETTING TOOL, CHC &amp; POH. RIH W/ SAMAA VACS TOOL BHA, CHC, POH. RUN W/ SLB HLWM DUMMY RUN, CHC &amp; POH.</b>	<b>SFNY 1500-1509</b>	<b>51.0</b> (01/21/2023@0430)	<b>PAMU</b> 5411 4783 TVD <b>PLVL</b> 5540 4869 TVD <b>CPCK</b> 5792 5028 TVD <b>AHMD</b> 5797 5031 TVD <b>WARA</b> 6068 5182 TVD <b>MDDD</b> 6481 5345 TVD <b>SFNY</b> 6627 5384 TVD <b>SCFS</b> 6879 5428 TVD <b>SEFS</b> 7452 5477 TVD

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>11678</b>	<b>7</b>	<b>5243</b>	<b>8137</b>	<b>5497</b>	<b>9 5/8</b>	<b>72705514</b>		<b>0</b>	<b>100</b>

Hrs (From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
								Start	End	Start	End				
00.5 0500 - 0530	1		N	CT	HT	PEL	RIG	11678	11678			CLEAN & CLEAR RIG FLOOR.			
02.0 0530 - 0730	1		C	COMP	RR	DWKS	RIG	11678	11678			SLIP & CUT DRILLING LINE. PERFORM BLOCK & BREAK CALIBRATION.			
00.5 0730 - 0800	1		C	COMP	RR	TDS	RIG	11678	11678			SERVICE TDS			
01.0 0800 - 0900	1		N	DRLG	HT	PEL	RIG	11678	11678			P/U BOP JETTING ASSY WITH 1 STD 5"1/2. JET BOP AND WELLHEAD . L/D SAME.			
01.0 0900 - 1000	1		N	CT	HT	BHA	RIG	11678	11678			FUNCTION TEST SAMA PBL SUB, DROP OPENING BALL AND OPEN AT 100 PSI, DROP CLOSING BALLS AND CLOSE AT 3370 PSI.			
01.5 1000 - 1130	1		N	CT	WBCO	WBCL	SAM	11678	11678			MU & RIH W/ SAMA VACS TOOL AS FOLLOW: 9"5/8" SAMA VACS TOOL, BIT SUB W/ FLOAT, 5"1/2 " HWDP JNT, SAMA 6-3/4" SAMA PBL SUB,5"1/2 HWDP TO 64'.			
01.0 1130 - 1230	1		N	CT	CIRC	MPMP	RIG	11678	11678			PERFORM SHALLOW TEST ON SAMA VACS TOOL: 5 BPM AT 1072 PSI & 7 BPM AT 2110 PSI, 9 BPM AT 3450 PSI AS PER SAMA OPERATOR GOOD TEST.			
00.2 1230 - 1245	1		N	CT	WBCO	WBCL	SAM	11678	11678			RIH WITH 9 5/8" SAMAA VACS TOOL ASSY ON 5-1/2" HWDP FROM 64 FT TO 248 FT.			
03.2 1245 - 1600	1		N	CT	WBCO	WBCL	SAM	11678	11678			RIH WITH 9-5/8" SAMAA VACS TOOL ON 5"1/2 DP F/284' TO 4423 FT AND FILL UP EVERY 15 STANDS WITH CONTROLLED SPEED.			
00.8 1600 - 1645	1		N	CT	WBCO	WBCL	SAM	11678	11678			M/U TDS, WASH DOWN FROM 4423 FT TO 4923 FT OPERATE SAMAA VACS TOOL AT 11 BPM AND 4000 PSI AS PER SAMAA OPERATOR.			
01.0 1645 - 1745	1		N	CT	CIRC	MPMP	RIG	11678	11678			PUMP 50 BBLS HI VIS SWEEP AND CHC WITH 82 PCF VIS BRINE AT AT 9 BPM AND 3100 PSI. SHAKERS CLEAN.			
00.2 1745 - 1800	1		N	CT	CIRC	MPMP	RIG	11678	11678			FLOW CHECK, WELL STATIC.			
03.5 1800 - 2130	1		N	CT	TO	STDPM	RIG	11678	11678	4923	64	POH WITH SAMAA VACS TOOL ON 5"1/2 DP.			
01.0 2130 - 2230	1		N	CT	HT	BHA	RIG	11678	11678			POH & L/D SAMAA VACS BHA TO SURFACE. RECOVERED PIECE OF STINGER RUBBER SEAL (2CMX1CM).			
00.5 2230 - 2300	1		N	CT	HT	PEL	RIG	11678	11678			CLEAN AND CLEAR RIG FLOOR.			
01.0 2300 - 0000	1		N	CT	TO	BHA	RIG	11678	11678	0	86	P/U M/U SLB HLWM JETTING TOOL WITH SAMMA 4 X 9-5/8" MAGNET ASSY & JUNK BASKET.			
05.0 0000 - 0500	1		N	CT	TI	STDPM	RIG	11678	11678	86	4800	RIH WITH 9-5/8" SLB HLWM JETTING TOOL ON 5"1/2 DP WITH CONTROLLED SPEED AS PER SLB RECOMMENDATION 40 FT/MIN.			

SFNY-1501 WILL BE DRILLED AND COMPLETED AS A LEVEL-4 DUAL-LATERAL HORIZONTAL PRODUCER TARGETING SFNY RESERVOIR TO A TD OF +/- 9,794 FT MD (L-0) AND +/- 10,015 FT MD (L-1) WITH A TOTAL RESERVOIR CONTACT OF +/- 6,000 FT.

\*\*\*\*\*

CURRENT LOCATION: SFNY-1500/1509 PLATFORM

WATER DEPTH: 67.58"

RIG HEADING: 329 DEG

RKB-MSL: 104'

RKB-MUD LINE: 172'

LEG PENETRATION: BOW LEG 5.67', PORT LEG 5.87', STARBOARD LEG 5.67'

LATITUDE: 3134475.97 N

LONGITUDE: 293537 E

\*\*\*\*\*

ACTUAL VS PLANNED CASING POINTS:

32" CONDUCTOR: 229' VS 228' MD  
 18 5/8" CASING (50' TVD INTO RUS): 1,496' VS 1,484' MD  
 13-3/8" CASING (100' TVD INTO LAMS): 5,177' VS 4,982' MD  
 9-5/8" CASING (L-0 TE SFNY RESERVOIR): 7,270' VS 6,794' MD  
 8 1/2" (L-0 TD): 10,577' VS 9,794' MD

**LATERAL-1:**

L-1 TOW: 5,241' MD, L-1 BOW: 5,252' MD  
 L-1 SIDETRACK RAT HOLE: 5,258' MD  
 7" LINER POINT (L-1 TE SFNY RESERVOIR): 8,144' VS 7,015' MD  
 6 1/8" (L-1 TD): 11,678' VS 10,015' MD

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PERFORMED ABANDON RIG DRILL: 19 FEB, 2023

PERFORMED H2S DRILL: 19 FEB, 2023

PERFORMED MUSTER & EMERGENCY RESPONSE DRILL: 19 FEB, 2023

PERFORMED LIFEBOAT LAUNCH DRILL: 23 OCTOBER, 2022

PERFORMED FIRE DRILL: 19 FEB, 2023

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**PERSONNEL ON BOARD:**

ARAMCO FCT MOHAMMED ALDAWSARI #764510 ON RIG SINCE 2/21/2023.

ARAMCO CLERK: FAHEEM ZAIDI #8405623 ON RIG SINCE 02/07/2023.

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**LC-50 SAMPLE:**

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NEXT LOCATION : TBA

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**PF WELLS STATUS**

SFNY-1500 MLS DRILLED TO TD & SUSPENDED.

SFNY-1501 CURRENT WELL.

SFNY-1502 DELIVERED.

SFNY-1503 DELIVERED.

SFNY-1504 SUSPEND OPERATION FOR FUTURE FLOW BACK.

SFNY-1505 SUSPEND OPERATION FOR FUTURE FLOW BACK.

SFNY-1506 DELIVERED.

SFNY-1507 DELIVERED.

SFNY-1508 SUSPEND OPERATION FOR FUTURE FLOW BACK.

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**BATCH DRILLING SEQUENCE:**

SFNY-1501 CURRENT WELL

SFNY-1500 MLS COMPLETION & FLOWBACK

SFNY-1501 FLOWBACK

SFNY-1504 FLOWBACK

SFNY-1505 FLOWBACK

SFNY-1508 FLOWBACK

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS							
MUD DATA																
MUD TREATMENT																
BIT DATA																
DRILL STRING																
Miscellaneous																
BOP Test		BOP Drills		Wind		Sea	Weather	DSLTA	Safety Meeting							
02/10/2023		3-5 KNOTS NE		1	SEASONAL		TOURLY									
Real-Time Data Quality			Sensors Quality		99%	Data Frequency	100%	Real-Time Hrs	10.99/24 hrs							
Personnel and Services Information	COMPANY		SBA	BCR	CSU	SCP	RIG	EMC	BR1	ARM	BCM	EX1	SCP	ARM	SAM	Total 97
	CATEGORY		ALS	CSR	CTRG	ICE	RIG	DFMS	MLS	OTHR	PCS	SLS	SSSV	WSC	WBCS	
	NO. OF PERSONS		8	4	12	5	56	1	0	2	1	3	1	2	2	
	OPERATING HRS.		0	0	0	5	24	12	24	12	24	0	0	24	20	
	ON LOCATION HRS.		24	24	24	24	24	24	0	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers															
	<b>RAWABI-5</b>															
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX										
	2106	11598	1751	1486	18	2258										
REPAIR ASAP	Instrumentation		Other													Reporter
	Computer, Communication & V-Sat Issues															

D&WO Morning Report (Service Providers View)  
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 Daily Offshore  
 (0500-0500) Saudi Aramco

Date	Well No (Type) :	Rig	Foreman(s)								
MONDAY 02/27/2023	MRJN-729 (OIL PRODUCER)	ADM-503	NAWWAB, ABDALILAH ISMAIL/NURKHOLIS, AKHMAD/ GUEVARA LISTA, ILDEMARO HUMBERTO/ GHAMDI, MAGID ABDULLA								
Charge (66- 21073-#: 0729) Wellbores: (1) MRJN_729_1		THURAYA 00882-16777-12556 378-8363	RIG FORMAN VSAT 378-8363	OTHER VSAT 378-8363	OTHER VSAT 13-510-6102 (RADIO ROOM)	CONTRACTOR/CLERK VSAT 378-8362 (RIG CLERK)					

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
17700	L/D MFIV SHIFTING TOOL & M/U N2 LIFT ASSY. FLOW BACK NATURALLY. WAIT FOR DAY LIGHT.	LIFT WELL WITH N2 AND FLOWBACK MRJN-720/729 FOR CLEAN UP. WAIT FOR DAY LIGHT.		75.2 (02/10/2023@1400)	
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %
17700	7	8478	12697	8129	9 5/8 88128014 0

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations					
									Start	End	Start	End						
01.0	0500 - 0600	1		E	TEST	OTH	NA	BCT	14572	14572			POH WFD MFIV SHIFTING TOOL ON BAKER CT TO SURFACE ON CLOSED CHoke.					
00.5	0600 - 0630	1		E	TEST	PJSM	NA	RIG	14572	14572			HELD PJSM FOR WELL FLOW BACK OPERATION. SENT OUT FLARING NOTIFICATION					
02.5	0630 - 0900	1		E	TEST	OTH	NA	BCT	14572	14572			FLUSH CT WITH WATER & N2.					
02.5	0900 - 1130	1		E	TEST	OTH	NA	BCT	14572	14572			L/D WFD MFIV SHIFTING TOOL & M/U N2 LIFTING ASSY. P/T SAME.					
00.5	1130 - 1200	1		E	TEST	PJSM	NA	RIG	14572	14572			HELD STAND DOWN SAFETY MEETING. DISCUSSED PERMIT TO WORK SYSTEM AND RE-EMPHASISED THE STOP WORK AUTHORITY. ALSO REVIEWED ONGOING FLOWBACK OPERATION.					
01.0	1200 - 1300	1		E	TEST	OTH	NA	BCT	14572	14572			CONNECT CT RISER & PRESSURE TEST CT TO 500/2500 PSI.					
01.0	1300 - 1400	1		E	TEST	SDR1	NA	RIG	14572	14572			CONDUCTED SECONDARY DISASTER DRILL. GOOD RESPONSE FROM ALL TEAMS.					
01.5	1400 - 1530	1		E	TEST	OTH	NA	BCT	14572	14572			DISPLACED CT TO N2.					
02.0	1530 - 1730	1		E	TEST	OHT	SEPR	MWT	14572	14572			OPEN WELL ON 16/64" CHoke & FLOW WELL NATURALLY FOR CLEAN UP ON 28/64" CHoke.					
													MAX BS&W@90%, MIN BS&W@40% DAILY FLOWING HOURS FOR LATERAL: 2HRS 7MINS CUM FLOWING TIME FOR LATERAL: 2HRS 7MINS					
06.0	1730 - 2330	1		E	TEST	WO	NA	ARM	14572	14572			MONITOR WELL ON THE CHoke WHILE WAITING ON DAY LIGHT.					
00.5	2330 - 0000	1		E	TEST	PJSM	NA	RIG	14572	14572			HELD STAND DOWN SAFETY MEETING. DISCUSSED PERMIT TO WORK SYSTEM AND RE-EMPHASISED THE STOP WORK AUTHORITY. ALSO REVIEWED ONGOING FLOWBACK OPERATION.					
04.5	0000 - 0430	1		E	TEST	WO	NA	ARM	14572	14572			MONITOR WELL ON THE CHoke WHILE WAITING ON DAY LIGHT.					
00.5	0430 - 0500	1		E	TEST	OTH	NA	BCT	14572	14572			RIH N2 LIFTING ASSY ON CT ON CLOSED CHoke....ON GOING AT RPT ....					

MRJN-729 WELL WILL BE DRILLED AND COMPLETED AS A DUAL HORIZONTAL OIL PRODUCER TARGETING UPPER RATAWI RESERVOIR TO A TOTAL DEPTH OF ~ 17,700 FT MD / 8,130 FT TVD FOR L-0 AND ~ 14,572 FT MD / 8,130 FT TVD FOR L-1.

=====  
 DIR PLAN: MRJN-729\_1 REV-N.0  
 - L-1 TOW 9,593 FT BOW 9,603 FT

=====  
 ARAMCO PERSONNEL ON LOCATION:

\* ARAMCO HSE AHMED TAHA ELDALASH # 8518263 ON BOARD SINCE 25-FEB-2023

=====  
 HSE

\* SAFE LIFE OBSERVATIONS IN SLS: 10 UNSAFE + 4 SAFE.

\* DRILLS: SECONDARY DISASTER DRILL.

=====  
 \* RIG CURRENT LOCATION: PLATFORM MRJN 720/729, (28 DEG 23.82 N, 49 DEG 34 E ; UTM 3142007 N 359629 E)

\* RIG HEADING - 328 DEGREE.

\* WATER DEPTH: 147.6 FT-LAT

\* RKB TO MUD LINE: 260.26 FT

\* FINAL LEGS PENETRATION: BOW=12.7-FT; PORT=13-FT; STBD= 11.6-FT

\* AIR GAP TO MSL: 46.7 FT

\*\* ODF ---FT/ NDF = N/A

=====  
 WELL NAME : MRJN-729

TARGET RESERVOIR : URTWI.

WELL TYPE : DUAL HORIZONTAL PRODUCER.

WELL TYPE : DUAL LATERAL.

COMPLETION : ICD (LOWER COMPLETION).

PILOT HOLE: NO.

JUNCTION TYPE: NONE.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS							
<b>MUD DATA</b>																
MUD TREATMENT																
BIT DATA																
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread Bottom Thread Weight Grade Class Serial #							
Miscellaneous	BOP Test	BOP Drills	Wind NA	13/14KTS N	4FT	Sea SEASONAL	Weather	DSLTA	Safety Meeting TOURLY							
	Real-Time Data Quality			Sensors Quality		100%	Data Frequency	100%	Real-Time Hrs 11.49/24 hrs							
Personnel and Services Information	COMPANY	CSU	BCT	WCS	HCO	RIG	BDF	HWP	ARM	SCM	NSL	BC	ARM	MWT		Total 91
	CATEGORY	CTR G	COIL	PSSC	ICE	RIG	DFMS	LPS	OTHR	PCS	SLS	SSSV	WSC	WTSE		
NO. OF PERSONS	12	10	1	2	45	1	4	1	2	1	1	2	2	9		
OPERATING HRS.	0	24	7	0	24	24	0	0	24	0	24	24	24	24		

	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers <b>TOPAZ KUBAYB</b>	<b>HADI-41</b>												
BULK	Drill Wtr.-BBLS <b>4044</b>	Pot Wtr.- BBLS <b>1738</b>	Fuel- BBLS <b>1351</b>	Barite- SX <b>4124</b>	Bentonite - SX <b>80</b>	Cement G- SX <b>1940</b>								
REPAIR ASAP	Instrumentation	Other	Computer, Communication & V-Sat Issues											Reporter

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>MRJN-1002 (OFFSHORE OIL EXPLORATION AND DELINEATION WELL)</b> Charge #: <b>(75- 22073- 1002)</b> Wellbores: (0-1) MRJN_1002_1	Rig <b>ADM- 504</b>	Foreman(s) Engineer Superintendent  <b>THURAYA 77711308</b>	<b>ALSAYRAFI, WAEL MOHAMMED/ LEASU, ISMAEL OLATUNJI/ BU RUSHAIID, IBRAHIM MOHAMMED</b>	
			RIG FORMAN VSAT <b>673-1396</b>	OTHER VSAT <b>673-3652</b>	CONTRACTOR/CLERK VSAT <b>673-3259</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops								
<b>9545</b>	<b>CONT. R/U &amp; PT CT. RIH &amp; LIFT WELL WITH N2, OPEN AND FLOW WELL (CHDST#2). WAIT ON DAY LIGHT WHILE MONITORING SIWHP.</b>	<b>OPEN WELL &amp; RESUME FLOW BACK OPERATIONS AS PER PROGRAM.</b>	<b>OPEN SEA</b>	<b>132.3</b> (10/02/2022@2000)	<b>PNGU 1880 126' DEEPER THAN PROGNOSIS</b> <b>RUS 2650 126' DEEPER THAN PROGNOSIS</b> <b>UERA 2930</b> <b>ARUM 4670 99' DEEPER THAN PROGNOSIS</b> <b>LAMS 5310 55' DEEPER THAN PROGNOSIS</b> <b>LHHR 5580 15' DEEPER THAN PROGNOSIS</b> <b>AHMD 5870 120' DEEPER THAN PROGNOSIS</b> <b>CPCK 5920</b> <b>WARA 6170 107' DEEPER THAN PROGNOSIS</b> <b>MDDD 6226</b> <b>MDDR 6259 143' DEEPER THAN PROGNOSIS</b> <b>LMDR 6369 116' DEEPER THAN PROGNOSIS</b> <b>SFNY 6419 98' DEEPER THAN PROGNOSIS</b> <b>SFNR 6516</b> <b>KHFJ 6663 87' DEEPER THAN PROGNOSIS</b> <b>KFJR 6825</b> <b>SHUB 7315 101' DEEPER THAN PROGNOSIS</b> <b>SHBR 7475</b> <b>BYDH 7615 108' DEEPER THAN PROGNOSIS</b> <b>ZBRR 7725 95' DEEPER THAN PROGNOSIS</b> <b>BZBR 7857 91' DEEPER THAN PROGNOSIS</b> <b>BUWB 7950 88' DEEPER THAN PROGNOSIS</b> <b>URTR 8340</b> <b>SULY 8520 113' DEEPER THAN PROGNOSIS</b> <b>RBNR 9125 110' DEEPER THAN PROGNOSIS</b> <b>MNFR 9191 34' DEEPER THAN PROGNOSIS</b> <b>BMFR 9267 32' DEEPER THAN PROGNOSIS</b> <b>HITH 9320 33' DEEPER THAN PROGNOSIS</b> <b>ABAR 9525 1' SHALLOWER THAN PROGNOSIS</b> <b>BAAR 9550 5' DEEPER THAN PROGNOSIS</b> <b>ABBR 9580 8' SHALLOWER THAN PROGNOSIS</b> <b>BABR 9650 8' DEEPER THAN PROGNOSIS</b>								
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %								
<b>9545</b>	<b>7</b>	<b>7967</b>	<b>9542</b>	<b>9542</b>	<b>9 5/8 82908290 0 100</b>								
Hrs (From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations			
								Start	End	Start	End		

05.5	0500 - 1030	0-1		E	TEST	OTH	NA	SCT	9665	9665			R/U SLB CTU EQUIPMENT.
													>> MU COIL CONNECTOR & PERFORMED PULL TEST WITH 25 KLBS - OK. >> FILL COIL W/ 21 BBL'S WTR , PRESSURE TESTED SLB CT & CONNECTOR TO 300/7,500 PSI AS PER SLB CT PROCEDURE - OK. >> M/U COIL BHA & STACK. >> P/TEST STACK INTEGRITY AGAINST PRIMARY STRIPPER & CROWN V/V TO 300/4,500 PSI. >> INFLOW TEST DOUBLE-FLAPPER VALVE WITH 4,500 PSI.
00.5	1030 - 1100	0-1		E	TEST	OTH	NA	SWT	9665	9665			HELD PREJOB SAFETY MEETING PRIOR TO OPEN THE WELL. DISCUSS FLOW-BACK OPERATION. REVIEWED PTW SYSTEM, PROCEDURES, PROCESSES, STOP-WORK AUTHORITY FOR CRITICAL OPERATIONS.
													>> POLLUTION BOAT SURVEY RIG SURROUNDING CONFIRM ALL CLEAR.
06.5	1100 - 1730	0-1		E	TEST	OTH	NA	SWT	9665	9665			OPEN & FLOW-BACK THE WELL TO SLB TESTING EQUIPMENT:  * FOLLOW INSTRUCTION FROM ARAMCO WELL TESTING ENGINEER ONBOARD. * LIFTING W/ N2 WITH CT AT 6,000 FT & @ 250 SCF/MIN.  >> RECOVERY & FB DATA: * BSW= 100%, PH= 7, H2S= 0 PPM, CO2= 0 % . * TOTAL RECOVERY= 65.6 BBLS. * FOR FULL DATA REFERE TO WELL TESTING REPORT.
09.5	1730 - 0300	0-1		E	TEST	OTH	NA	SWT	9665	9665			SHUT IN WELL AT SLB TESTING CHOKES, WAIT ON DAYLIGHT WHILE MONITORING THE WELL.  >> POLLUTION BOAT SURVEY RIG SURROUNDING CONFIRM ALL CLEAR. >> POOH WITH SLB COIL TUBING TO SURFACE & SECURE WELL. >> PERFORM GENERAL MAINTENANCE. >> WORK SUPPLY VESSEL.
02.0	0300 - 0500	0-1		E	TEST	OTH	NA	SCT	9665	9665			WAIT ON DAYLIGHT TO RESUME FLOW-BACK OPERATION. MONITOR SWHP CONTINUOUSLY.  * MEANWHILE, RIH SLB CTU TO 6,000'.  *** ON GOING AT RT ***

MAIN OBJECTIVE OF THE WELL IS TO DELINEATE THE DOWNDIP POTENTIAL OF THE UPPER MAUDDUD AND THE LOWER MAUDDUD RESERVOIRS ON THE NORTHERN MARJAN DOME STRUCTURE, AND BEYOND THE BOOKING LIMIT. THE SECONDARY OBJECTIVES ARE THE SAFANIYA, KHAFJI, SHU'AIBA, RIBYAN, MANIFA, HITH STRINGERS, ARAB A, AND ARAB B RESERVOIRS.

=====RIG=====

- RIG HEADING: 12 DEG.
- MRJN-1002 FINAL WGS84 COORDINATES, LAT: 28DEG 32.1503' N, LONG: 049DEG 34.6033' E.
- WATER DEPTH: 156.8 FT.
- AIR GAP: 50 FT.
- WCL-83 RKB TO MSL: 116 FT.
- PORT LEG PENETRATION: 9.7 FT.
- STB LEG PENETRATION: 9.7 FT.
- BOW LEG PENETRATION: 9.7 FT.

=====CASING/LINER=====

- 30" CONDUCTOR PLAN SET AT 470'. ACTUAL AT 482'. MLL LANDING RING @ 283.5' (11 FT BELOW MUD LINE).
- 24" CASING PLAN SET AT 1,000'. ACTUAL AT 1038'. 24" MLL @ 284'
- 18 5/8" CASING PLAN SET AT 2,576', 50' INTO RUS FORMATION. ACTUAL AT 2,689'. 18-5/8" MLL@ 285'
- 13-3/8" CASING PLAN SET AT 5,515', 50' ABOVE LAWHAH RESERVOIR. ACTUAL AT 5,757'. 13-3/8" MLL @ 287'.
- 9-5/8" CASING PLAN SET AT 8,283', 50' INTO YAMAMA FORMATION. ACTUAL AT 8,290'. 9-5/8" MLL @ 289'.
- 7" LINER SET AT 9,487', 200' INTO HITH FORMATION.
- 4-1/2" LINER SET AT 9,810', 150' INTO ARAB-C RESERVOIR.

AS PER SUPPLEMENT PROGRAM:

- 7" LINER SET AT 9,642', AT EXPECTED ANHYDRITE BASE ARAB-B FORMATION (WILL NOT PENETRATE ARAB-C). ACTUAL AT 9,545'.

=====ARAMCO PERSONNEL:

- ARAMCO MATERIAL EXPEDITER HUSSAIN BALHARETH #8495638 ON LOCATION SINCE 02/21/23.
- ARAMCO WELL TEST ENGINEER ALJESHI, AHMED A ID#298999 ONBOARD SINCE 02/17/23.

=====RECEIVED HALLIBURTON MST FOR 9-5/8" EZSV ON 12-19-2022. MF# 2100670490.

- LC-50 OBM SAMPLE: SENT ON SEACOR PARANA ON 11/05/2022, MF# 2400589060.
- LC-50 WBM SAMPLE: SENT ON MOLLY R MCCALL ON 12/25/2022, MF# 2400596886.

\* RIG DIESEL CONSUMPTION MRJN-1002: DAILY: 45 BBLS / CUMULATIVE 9,700 BBLS.

\* RIG MOVE INFORMATION:

- NEXT LOCATION: ZULF-903 (OPEN WATER LOCATION)
- PROJECTED RIG MOVE DATE : END OF MARCH 2023
- LPA & LOCATION APPROVAL: NOT RECEIVED.
- BOREHOLE DATA: RECEIVED.
- SITE SPECIFIC SURVEY: CRM #8000640547. RECEIVED.
- RM REQUEST: RM-2023-4008452 (MRJN-1002 TO SEA) & RM-2023-4008362 (SEA TO ZULF-903).
- RIG MOVE BOATS DRSS: TBC.
- RIG MOVE POSITIONING REQUEST: CRM #8800019433 SUBMITTED.
- DIVING REQUEST REQUEST FOR CONDUCTOR CUT OFF MEASUREMENT & MARKER BUOY INSTALLATION: DP-2022-12892.

Remarks

Lateral	Survey MD		Angle	Azimuth	CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS																				
MUD DATA	Weight <b>76</b>	Funnel Vis. <b>29</b>	Filtrate(WL) HTHP	Filtrate (WL) API	PV	YP	Electrical Stability Volts	3/6 RPM <b>/</b>	Gels Sec/Min	PH <b>10</b>	CA PPM <b>105500</b>	CL PPM <b>186700</b>																						
	FL Temp <b>0</b>	Cake HTHP	Cake API	Water Vol. % <b>93</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>7</b>	Sand Vol. %	% LGS <b>0</b>	MBT	Mud type <b>CACL</b>	Water Well #																							
	Weight <b>76</b>	Funnel Vis. <b>29</b>	Filtrate(WL) HTHP	Filtrate (WL) API	PV	YP	Electrical Stability Volts	3/6 RPM <b>/</b>	Gels Sec/Min	PH <b>10</b>	CA PPM <b>105500</b>	CL PPM <b>186700</b>																						
	FL Temp <b>0</b>	Cake HTHP	Cake API	Water Vol. % <b>93</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>7</b>	Sand Vol. %	% LGS <b>0</b>	MBT	Mud type <b>CACL</b>	Water Well #																							
MUD TREATMENT																																		
BIT DATA																																		
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #																				
Miscellaneous	BOP Test	BOP Drills		Wind <b>ENE / 12 - 14 KTS</b>			Sea <b>1-2 FT</b>		Weather <b>SEASONAL</b>		DSLTA <b>3882</b>	Safety Meeting <b>PRE-TOUR MEETING</b>																						
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs																						
Personnel and Services Information	COMPANY		<b>SWA</b>	<b>HCB</b>	<b>ITS</b>	<b>RIG</b>	<b>SCT</b>	<b>RIG</b>	<b>BDF</b>	<b>SWL</b>	<b>BR1</b>	<b>ARM</b>	<b>SCM</b>	<b>MSL</b>	<b>ARM</b>	<b>SWT</b>	<b>SWT</b>																	
	CATEGORY		<b>ALS</b>	<b>BRCR</b>	<b>CSR</b>	<b>CTRG</b>	<b>COIL</b>	<b>RIG</b>	<b>DFMS</b>	<b>LPS</b>	<b>MLS</b>	<b>OTHR</b>	<b>PCS</b>	<b>SLS</b>	<b>WSC</b>	<b>WTDS</b>	<b>WTSE</b>																	
	NO. OF PERSONS		<b>4</b>	<b>0</b>	<b>2</b>	<b>12</b>	<b>8</b>	<b>45</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>13</b>																	
	OPERATING HRS.		<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>24</b>	<b>24</b>																		
	ON LOCATION HRS.		<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>																		
															Total <b>96</b>																			
Trucks/Boats	Standby/Tankers		<b>TOPAZ KHUWAIR</b>		<b>TOPAZ KARZAKKAN</b>																													
BULK	Drill Wtr.-BBLS <b>1547</b>	Pot Wtr.- BBLS <b>1170</b>	Fuel- BBLS <b>1805</b>	Barite- SX <b>4844</b>		Bentonite - SX <b>573</b>	Cement G- SX <b>3354</b>																											
REPAIR ASAP	Instrumentation				Other										Reporter																			
	Computer, Communication & V-Sat Issues																																	
	<b>SLOW INTERNET AND UNSTABLE V-SAT COMMUNICATION.</b>																																	

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D&WO Morning Report (Service Providers View)  
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 Daily OffShore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY</b> 02/27/2023	Well No (Type) : <b>ABSF-222</b> <b>(HORIZONTAL OIL PRODUCER IN ARAB-D RESERVOIR)</b> Charge #: (66- 21019- 0222)	Rig <b>ADM-510</b>	Foreman(s) <b>YE, XIANGFENG/ ELKALASHY, SOLIMAN AHMED/ BALSEIRO GUERREIRO, PRUDENCIO/ GREIG, KENNETH DAVID</b>
THURAYA	RIG FORMAN VSAT <b>8821677712654</b> 673-5694	OTHER VSAT <b>673-2139 RADIO ROOM</b>	CONTRACTOR/CLERK VSAT <b>673-2772</b>
Wellbores: (0) ABSF_222_0			

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>8067</b>	<b>N/U 18-3/4" BOP STACK, CHANGE RAMS, PT 18-3/4" BOP STACK.</b>	<b>PT BOP STACK, RIH 8-1/2" CO BHA, D/O CMT, DV, RIH, D/O SHOE TRACK, CHC, P/T CSG, DRILL 10 FT NEW FORM, DISPLACE WELL TO 65 PCF WBM.</b>	<b>ABSF 221/231 PF</b>	<b>21.1</b> (02/25/2023@1915)	<b>ABDR 7775 6547 TVD</b>
<b>Prev. Depth 8067</b>					

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations			
									Start	End	Start	End						
01.0	0500 - 0600	0	12 1/4	N	BOP	NU	BOP	RIG	8067	8067					<b>N/U 18-3/4" 15M BOP STACK.</b>			
00.2	0600 - 0615	0	12 1/4	N	BOP	PJSM	RAMS	RIG	8067	8067					<b>PRE JOB-SAFETY MEETING FOR CHANGING RAMS.</b>			
04.5	0615 - 1045	0	12 1/4	N	BOP	BOP	RAMS	RIG	8067	8067					<b>CHANGED TOP RAM TO 5-1/2" &amp; LOWER MIDDLE RAM TO BLIND RAMS.</b>			
01.8	1045 - 1230	0	12 1/4	N	BOP	NU	BOP	RIG	8067	8067					<b>R/U KILL LINE COFLEX HOSES.</b>			
00.5	1230 - 1300	0	12 1/4	N	BOP	PJSM	BOP	RIG	8067	8067					<b>CONDUCT SAFETY STAND DOWN MEETING WITH ALL ON TOUR CREW &amp; 3RD PARTY PERSONNEL. TOPICS INCLUDE JSA, PTW, SWA, PRE-JOB PLANNING, PROPER SUPERVISION &amp; RECEIVED SAFETY ALERTS.</b>			
00.2	1300 - 1315	0	12 1/4	N	BOP	PJSM	DVRT	RIG	8067	8067					<b>PRE JOB-SAFETY MEETING FOR N/U N.NIPPLE &amp; BIG BORE DIVERTER.</b>			
03.2	1315 - 1630	0	12 1/4	N	BOP	NU	DVRT	RIG	8067	8067					<b>N/U B.NIPPLE, BIG BORE DIVERTER &amp; OVERSHOT.</b>			
00.2	1630 - 1645	0	12 1/4	N	BOP	PJSM	BOP	RIG	8067	8067					<b>PRE JOB-SAFETY MEETING PRIOR TO PRESS TESTING BOP STACK.</b>			
01.8	1645 - 1830	0	12 1/4	N	BOP	OTH	BOP	RIG	8067	8067					<b>P/U, M/U 5-1/2" TEST ASSY. FILL BOP WITH SEA WATER &amp; TEST LINES.</b>			
05.2	1830 - 2345	0	12 1/4	N	BOP	BOPT	BOP	RIG	8067	8067					<b>PRESSURE TEST 18-3/4" 15K BOP STACK AS PER ARAMCO STANDARDS TO 300/3000 PSI, 10 MINS EACH.</b>			
00.8	2345 - 0030	0	12 1/4	N	BOP	BOPT	RBOP	RIG	8067	8067					<b>PERFORM DRAW DOWN TEST.</b>			
00.5	0030 - 0100	0	12 1/4	N	BOP	PJSM	BOP	RIG	8067	8067					<b>CONDUCT SAFETY STAND DOWN MEETING WITH ALL ON TOUR CREW &amp; 3RD PARTY PERSONNEL. TOPICS INCLUDE JSA, PTW, SWA, PRE-JOB PLANNING, PROPER SUPERVISION &amp; RECEIVED SAFETY ALERTS.</b>			
02.0	0100 - 0300	0	12 1/4	N	DRLG	RR	DWKS	RIG	8067	8067			RR	909566	<b>TRY TO PULL 5-1/2" TEST ASSY., HAD FAILURE IN DRAW-WORKS, TROUBLESHOOTING FAILURE.</b>			
00.5	0300 - 0330	0	12 1/4	N	BOP	OTH	BOP	RIG	8067	8067					<b>BACKOUT FROM TEST PLUG &amp; PULL 5-1/2" TEST ASSY.</b>			
01.5	0330 - 0500	0	12 1/4	N	BOP	BOPT	BOP	RIG	8067	8067					<b>PRESSURE TEST 18-3/4" 15M BOP STACK (SHEAR &amp; BLIND RAMS) AS PER ARAMCO STANDARDS TO 300/3000 PSI, 10 MINS EACH.</b>			

#### Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
27 Feb 0100 - 0300	2	2	909566		RR	FOT	DWKS	RIG	58	<b>HAD FAILURE IN DRAW WORKS, TROUBLESHOOTING FOUND THE FAILURE IN DW A MOTOR ENCODER.</b>

#### WELL SUMMARY:

ABSF-222 WILL BE DRILLED AS A SINGLE LATERAL HORIZONTAL OIL PRODUCER TARGETING ARAB-D RESERVOIR TO A TOTAL DEPTH OF +/- 10,621 FT MD WITH 2,632 FT OF RESERVOIR CONTACT. COMPLETED W/ PDHMS, DUAL ESP & TRSSV ON 4-1/2" 11.60#, J-55 NVAM TUBING.

=====

REINFORCE STOP WORK AUTHORITY & HANDS-FREE OPERATIONS IN ALL PRE-TOUR MEETINGS  
 DISCUSS ARAMCO & ADES HSE ALERTS IN PRE TOUR-MEETINGS & WEEKLY SAFETY MEETING:

DAILY SAFETY STAND DOWN WITH ALL POB ON TOUR 2 X DAILY.

WEEKLY SAFETY MEETING HELD ON FEB 25TH.

=====

DRILLS: 0 X PIT & 0 X TRIP DTO  
 H2S, FIRE & ABANDON DRILL ON FEB 22ND

=====

FINAL RIG POSITION: 26 58.75' N LATITUDE, 050 32.94' E LONGITUDE, RIG HEADING 330 DEG.

=====

#### CASING POINTS PLANNED:

18-5/8" CASING AT 558 FT (50 FT TVD INTO RUS): SET AT 566 FT

13-3/8" CASING AT 3,460 FT (53 FT TVD INTO PAMU): SET AT 3,456 FT

9-5/8" CASING AT 8,122 FT (ARAB D TARGET ENTRY): SET AT 8,065 FT

8-1/2" TD AT 10,439 FT: FINAL TD AT XXXX FT.

=====

**BATCH DRILLING:**

22" HOLE - ABSF-224, 226, 228, 229, 227, 225, 223, 231, 230, 222 (DONE)

16" HOLE - ABSF-224, 226, 228, 229, 227, 225, 223, 231, 230, 222 (DONE)

12-1/4" HOLE - ABSF-223, 225, 227, 228, 224, 222, 230, 226, 231, 229 (DONE)

8-1/2" HOLE - ABSF-230 (L-0), 226 (L-0), 225 (L-0), ABSF-225 (L-1); ABSF-223 L-0; ABSF-229, ABSF-227 (L-0), ABSF-228 (L-0), ABSF-231 (L-0), ABSF-224 (DONE).

6-1/8" HOLE - ABSF-225 (L-0), ABSF-225 (L-1), ABSF-223 L-0, ABSF-229, ABSF-231, ABSF-224 (DONE)

EOW - ABSF-225 (L-0), ABSF-225 (L-1), ABSF-223 L-0, ABSF-229, ABSF-227, ABSF-228, ABSF-231, ABSF-224 (DONE).

WELLS SUSPENDED FOR FUTURE FLOW BACK: ABSF-225, ABSF 223, ABSF-229, ABSF-227, ABSF-228, ABSF 231, ABSF-224

**CURRENT WELL:**

ABSF-222 - COMING SECTIONS: 8-1/2" (L-0), EOW.

**NEXT WELL:**

ABSF-226 SAME LOCATION- COMING SECTIONS: 8-1/2" (L-1), 6-1/8" (L-1) &amp; EOW.

**RENTAL TOOLS:**

1 X 6 1/2" NOV DRILLING JAR, SN: GFJ650-S2566087

LC-50 SAMPLE - SENT ON JANUARY 18, 2022. MANIFEST # 2400545019 - WBM

LC-50 SAMPLE - SENT ON MARCH 1, 2022. MANIFEST # 2400551589 - OBM

**PERSONNEL ON LOCATION:****CONTRACTOR MANAGEMENT VISITS:**

RIG MANAGER JULIO MELENDEZ LEFT RIG ON 21 FEB 2023

ADES HSE SUPERVISOR EMAD LEFT RIG ON 21 FEB 2023.

RIG MOVE TO NEXT LOCATION: PLATFORM ZULF 907, 2071-2079 ON +/- 15TH JUNE 2023

PLATFROM ZULF 907, 2071-2079 LOCATION LAT: 28 28.92 LONG: 049 26.64

SEABED SURVEY: CRM#8800019301 APPROVED. REPORT NOT RECEIVED.

RIG MOVE REQUEST: NOT SUBMITTED YET.

RIG MOVE MEETING: NOT HOLD YET

BORE HOLE DATA: NOT REQUESTED YET

Remarks

Lateral	Survey MD		Angle	Azimuth		CLLength		TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS							
MUD DATA	Weight <b>78</b> PCF	Funnel Vis. <b>78</b> SEC	Filtrate(WL) <b>2.8</b> HTHP	Filtrate (WL) API	PV <b>26</b>	YP <b>20</b>	Electrical Stability <b>544</b> Volts	3/6 RPM <b>11 / 12</b>	Gels Sec/Min <b>15 / 21</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>											
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>21</b>	Oil Vol. % <b>64</b>	Solids Vol. % <b>15</b>	Sand Vol. % <b>0</b>	% LGS	MBT <b>0</b>	Mud type <b>NACL</b>	Water Well #												
	Weight <b>78</b> PCF	Funnel Vis. <b>75</b> SEC	Filtrate(WL) <b>3</b> HTHP	Filtrate (WL) API	PV <b>25</b>	YP <b>19</b>	Electrical Stability <b>540</b> Volts	3/6 RPM <b>10 / 11</b>	Gels Sec/Min <b>14 / 20</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>											
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>21</b>	Oil Vol. % <b>64</b>	Solids Vol. % <b>15</b>	Sand Vol. % <b>0</b>	% LGS	MBT <b>0</b>	Mud type <b>NACL</b>	Water Well #												
	Weight <b>78</b> PCF	Funnel Vis. <b>76</b> SEC	Filtrate(WL) <b>3</b> HTHP	Filtrate (WL) API	PV <b>26</b>	YP <b>19</b>	Electrical Stability <b>552</b> Volts	3/6 RPM <b>10 / 11</b>	Gels Sec/Min <b>15 / 20</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>											
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>21</b>	Oil Vol. % <b>64</b>	Solids Vol. % <b>15</b>	Sand Vol. % <b>0</b>	% LGS	MBT <b>0</b>	Mud type <b>NACL</b>	Water Well #												
MUD TREATMENT																							
BIT DATA																							
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #									
Miscellaneous	BOP Test <b>02/27/2023</b>		BOP Drills <b>TOURLY</b>		Wind <b>20-27 E</b>		Sea <b>1-2 FT</b>		Weather <b>SEASONAL</b>		DSLTA		Safety Meeting <b>TOURLY</b>										
	Real-Time Data Quality				Sensors Quality			93%	Data Frequency		100%	Real-Time Hrs			8.27/24 hrs								
Personnel and Services Information	COMPANY		BAL	HCB	GOC	GOS	WCS	SDM	RIG	EMC	NOJ	SCM	EX1	BRD	SCP	ARM	CAM						
	CATEGORY		ALS	BRCR	CSR	CTRG	ICE	DPDS	RIG	DFMS	JST	PCS	SLS	SCS	SSSV	WSC	WHES						
	NO. OF PERSONS		8	1	3	14	5	4	55	2	0	1	3	1	1	2	1						
	OPERATING HRS.		0	0	0	0	0	0	24	0	0	0	0	0	24	0	0						
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	0	24	24	24	24	24	24						
Trucks/Boats	Standby/Tankers <b>RINA TIDE</b>																Total <b>101</b>						
BULK	Drill Wtr.-BBLS <b>4291</b>	Pot Wtr.- BBLS <b>1674</b>		Fuel- BBLS <b>2476</b>		Barite- SX <b>3772</b>		Bentonite - SX <b>1061</b>		Cement G- SX <b>4054</b>													
REPAIR ASAP	Instrumentation		Other														Reporter						
Computer, Communication & V-Sat Issues																							

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>MRJN-792 (SINGLE LATERAL OIL PRODUCER IN RATAWI RESERVOIR)</b>	Rig <b>ADM- 511</b>	Foreman(s) <b>EDWARDSON, JOHN WILLIAM SCOTT/ FONTENOT, TIMOTHY RYAN/ ALGHAMDI, OMAR MISHAL/ DAHMOUSH, ABDULLATEEF AHMAD</b>
Charge #: <b>(66- 20073- 0792)</b>	Wellbores: (0) MRJN_792_0	Engineer Superintendent <b>THURAYA 008821677712826</b>	RIG FORMAN VSAT <b>378-8384</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>5800</b>	<b>POOH LD C/0 ASSY, MU AND TIH WITH 12 1/4" DIRECTIONAL ASSY, RE-LOG, DRILL 12 1/4" HOLE WITH BHI RSS DIRECTIONAL ASSY PUMPING SWEEPS AS NEEDED</b>	<b>DRILL 12 1/4" HOLE WITH BHI RSS DIRECTIONAL ASSY PUMPING SWEEPS AS NEEDED</b>	<b>MRJN-790/799 PF: 8.04 KM SE MRJN GOSP-2</b>	<b>13.3 (02/25/2023@0300)</b>	
Prev. Depth <b>5575</b>	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ % <b>13 3/8 55755516 225 100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
01.2	0500 - 0615	0	12 1/4	N	DRLG	TO	STDP	RIG	5583	5583	3500	669	TOH WITH 12 1/4" CLEAN OUT BHA ON 5 1/2" DRILL PIPE			
00.2	0615 - 0630	0	12 1/4	N	DRLG	WCNT	NA	RIG	5583	5583			FLOW CHECK AT BHA - WELL STATIC			
01.0	0630 - 0730	0	12 1/4	N	DRLG	HT	BHA	RIG	5583	5583			TOH 12 1/4" CLEAN OUT BHA ON 5 1/2" HWDP - BREAK OUT JAR AND DRIFT WITH 2 1/2" WEATHERFORD PBL BALL, MAKE UP JAR TO STRING			
00.2	0730 - 0745	0	12 1/4	N	DRLG	OTH	NA	RIG	5583	5583			PULL MASTER BUSHING, REMOVE PIPE WIPIING RUBBER AND DIVERTER INSERTS, INSTALL MASTER BUSHING			
01.5	0745 - 0915	0	12 1/4	N	DRLG	HT	BHA	RIG	5583	5583			MAKE UP WEATHERFROD PBL IN STRING, FUNCTION TEST SAME, RETRIEVE BALLS, LD PBL			
01.5	0915 - 1045	0	12 1/4	N	DRLG	HT	BHA	RIG	5583	5583			TOH 12 1/4" CLEAN OUT BHA, RACK BACK 8 1/2" DC'S, BREAK OFF BIT, BIT SUB, JUNK BASKET AND STRING MILL			
00.2	1045 - 1100	0	12 1/4	N	DRLG	OTH	NA	RIG	5583	5583			CLEAN AND CLEAR RIG FLOOR			
03.8	1100 - 1445	0	12 1/4	N	DRLG	HT	BHA	BHI	5583	5583			HOLD PJSM, MAKE UP RE-RUN 12 1/4" REED PDC WITH BHI RSS BHA (RACKED IN DERRICK), PROGRAM TOOLS, INSTALL RA SOURCES, SHALLOW TEST MWD			
00.2	1445 - 1500	0	12 1/4	N	DRLG	TI	STHDP	RIG	5583	5583	301	489	TIH 12 1/4" BHI RSS BHA ON 5 1/2" HWDP			
00.5	1500 - 1530	0	12 1/4	N	DRLG	TI	STDP	RIG	5583	5583	489	1750	TIH 12 1/4" BHI RSS BHA ON 5 1/2" DRILL PIPE			
00.2	1530 - 1545	0	12 1/4	N	DRLG	CIRC	MPMP	RIG	5583	5583			FILL PIPE, BREAK CIRCULATION, PUMP OUT TRIP TANK			
00.5	1545 - 1615	0	12 1/4	N	DRLG	TI	STDP	RIG	5583	5583	1750	3004	TIH WITH 12 1/4" BHI RSS BHA ON 5 1/2" DP			
00.2	1615 - 1630	0	12 1/4	N	DRLG	CIRC	MPMP	RIG	5583	5583			FILL PIPE, BREAK CIRCULATION, PUMP OUT TRIP TANK			
00.5	1630 - 1700	0	12 1/4	N	DRLG	TI	STDP	RIG	5583	5583	3004	4260	TIH WITH 12 1/4" BHI RSS BHA ON 5 1/2" DP			
00.2	1700 - 1715	0	12 1/4	N	DRLG	CIRC	MPMP	RIG	5583	5583			FILL PIPE, BREAK CIRCULATION, PUMP OUT TRIP TANK			
00.5	1715 - 1745	0	12 1/4	N	DRLG	TI	STDP	RIG	5583	5583	4260	5350	TIH WITH 12 1/4" BHI RSS BHA ON 5 1/2" DP			
00.5	1745 - 1815	0	12 1/4	N	DRLG	RR	TDS	RIG	5583	5583			SERVICE RIG			
03.0	1815 - 2115	0	12 1/4	N	DRLG	LOG	LWD	BHI	5583	5583	5350	5581	RE-LOG AS PER BHI, TAG BOTTOM, PATTERN BIT			
07.8	2115 - 0500	0	12 1/4	N	DRLG	D	RSS	BHI	5583	5800			DRILL 12 1/4" SECTION WITH BHI RSS, PUMPING SWEEPS AS NEEDED			

#### WELL OBJECTIVE:

SINGLE LATERAL WELL IN RATAWI RESERVOIR WITH 3750 FT OF RESERVOIR CONTACT

=====

FINAL POSITION: 28 DEG 18'.8N, 049 DEG 40'.7E

HEADING: 330 DEG

WATER DEPTH: 160.76 FT (LAT)

RIG FLOOR TO MSL: 110.77 FT

FINAL AIRGAP 42 FT

FINAL RIG PENETRATION: BOW 12.43 FT, STBD 12.20 FT, PORT 12.43 FT

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PLANNED 12.25" SECTION TD 8680 FT MD, 7870 FT TVD, ACTUAL FT MD, FT TVD

DIRECTIONAL PLAN: MRJN-792\_0\_REV.C-0 (PWP)

DISTANCE TO PLAN: FT BELOW, FT RIGHT

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12-1/4" SECTION BATCH DRILLING SEQUENCE:

MRJN-791, MRJN-792, MRJN-797, MRJN-794, MRJN-793, MRJN-795

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DRILLING PLANS FOR MRJN-790/799 PLATFORM.

12-1/4" HOLE SECTION BATCH DRILLING:

MRJN-791: 12-1/4" HOLE SECTION COMPLETED.

MRJN-792: 12-1/4" HOLE SECTION IN PROGRESS.

MRJN-793: 16" HOLE SECTION COMPLETED.

MRJN-794: 16" HOLE SECTION COMPLETED.

MRJN-795: 16" HOLE SECTION COMPLETED.

MRJN-797: 16" HOLE SECTION COMPLETED.

MLS WELL MRJN-790 STILL TO BE TIED BACK AND COMPLETED.

1 WELL ALREADY DELIVERED BY ADM-511: MRJN-799.

1 WELL ALREADY DELIVERED BY WCL-83: MRJN-796.

**PERSONNEL:**

ARAMCO RIG CLERK NASEERUDDIN MOHAMMED BADGE # 8982011 ON BOARD SINCE 20-JAN-2023

ARAMCO PDP YOUSEF ALTULAYHI BADGE #798737 ONBOARD ON 21-FEB-2023

ARAMCO PDP ENGINEER AHMED S ALKUWAYKIBI BADGE #747550 ONBOARD ON 21-FEB-2023

**SAFETY:**

DRILLS: H2S, FIRE AND ABANDON FEB 22 2023

**RENTAL EQUIPMENT ONBOARD:**

NOV 6 1 1/2" HYDRO-MECHANICAL JAR. SN: 474-651676 ON BOARD 02/02/2023

WTF PBL SUB

WAIT ON WEATHER: TODAY 0 HRS / CUMULATIVE 1 HRS

WAIT ON PRODUCING: TODAY 0 HRS / CUMULATIVE 0 HRS

WAIT ON MARINE: TODAY 0 HRS / CUMULATIVE 0 HRS

WAIT ON TOOLHOUSE: TODAY 0 HRS / CUMULATIVE 0 HRS

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
0	5622		19.40	313.23		114	5557.71	473.94		-446.47		633.68	0.82

MUD DATA	Weight 92 PCF	Funnel Vis. 52 SEC	Filtrate(WL) 2.4 HTHP	Filtrate (WL) API	PV 27	YP 21	Electrical Stability 603 Volts	3/6 RPM 9 / 10	Gels Sec/Min 10 / 14	PH 0	CA PPM 0	CL PPM 251531
	FL Temp 110	Cake HTHP 1	Cake API 0	Water Vol. % 22	Oil Vol. % 56	Solids Vol. % 22	Sand Vol. % 0	% LGS 2.73	MBT 0	Mud type INOVRT	Water Well #	
	Weight 92 PCF	Funnel Vis. 54 SEC	Filtrate(WL) 2.6 HTHP	Filtrate (WL) API	PV 25	YP 21	Electrical Stability 555 Volts	3/6 RPM 8 / 9	Gels Sec/Min 9 / 13	PH 0	CA PPM 0	CL PPM 247973
	FL Temp 0	Cake HTHP 1	Cake API 0	Water Vol. % 22	Oil Vol. % 56	Solids Vol. % 22	Sand Vol. % 0	% LGS 2.77	MBT 0	Mud type INOVRT	Water Well #	
	Weight 92 PCF	Funnel Vis. 56 SEC	Filtrate(WL) 2.6 HTHP	Filtrate (WL) API	PV 24	YP 22	Electrical Stability 547 Volts	3/6 RPM 8 / 9	Gels Sec/Min 9 / 13	PH 0	CA PPM 0	CL PPM 247973
	FL Temp 0	Cake HTHP 1	Cake API 0	Water Vol. % 22	Oil Vol. % 56	Solids Vol. % 22	Sand Vol. % 0	% LGS 2.77	MBT 0	Mud type INOVRT	Water Well #	
	MUD TREATMENT	BARITE	ADAPTA	BDF 489	CACL2-80	LESUPERMUL	CAOH2	RHEMODL				
	63(MTON)	20(55LB)	30(50LB)	12(2200L)	12(55GL)		80(55LB)	4(55GL)				

BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out	
	4RR	M323	12.25	REED	S292794	RS616MB3D / 6 X 16 /	1.178	5581	5798			
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM
											Jet Vel	DP Av
			25	130					2600	800	218	163.66
	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out	
	3RR	135	12.25	HTC	Z509YT	GTXG3 / 3 X 18 /	0.746	5578	5583			
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM
			25	80	2	3	CT	A	E	0	Jet Vel	DP Av
							2600	780	336	159.56	245.69	564

DRILL STRING	Float	Y											
	BHA Hrs:	7.8											
	String Wt.	Pick Up	Slack Off		Rot. Torque		Jars:	/	101		Shock	/	
	221	222	215		10		Serial #/Hrs	/		Sub:	/	Mud	
	Float	Y										Motor:	
	BHA Hrs:	0.5										/	
	String Wt.	Pick Up	Slack Off		Rot. Torque		Jars:	/	93		Shock	/	
	235	242	230		7		Serial #/Hrs	/		Sub:	/	Mud Motor:	
	Order	Component				Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread
	1	Bit				REED	12.25	1	12.25		0.96	6-5/8" REG P	
	2	RSS				BHI	9.5	1	10.83	2.48	8.33	9-1/2" T2 B	6-5/8" REG B
	3	Flex Joint				BHI	9.5	1	12.125	3.15	11.99	9-1/2" T2 B	9-1/2" T2 P
	4	Gamma Sub				BHI	9.5	1	9.5	3.15	5.13	9-1/2" T2 B	9-1/2" T2 P
	5	Measurement While Drilling (MWD)				BHI	9.5	1	9.677	2.953	23.01	9-1/2" T2 B	9-1/2" T2 P
	6	BCPM. Bi-directional Communication and Power Module				BHI	9.5	1	9.5	3.15	11.78	9-1/2" T2 B	9-1/2" T2 P
	7	Crossover				BHI	9.5	1	9.5	3	2.64	8-1/4" T2 B	9-1/2" T2 P
	8	Crossover				BHI	8.25	1	8.25	3	9.08	8-1/4" T2 P	8-1/4" T2 P
	9	Logging While Drilling (LWD)				BHI	8.25	1	8.25	2.835	8.44	8-1/4" T2 B	8-1/4" T2 B
	10	Logging While Drilling (LWD)				BHI	8.25	1	8.25	2.835	8.75	8-1/4" T2 B	8-1/4" T2 P
												6-5/8"	8-1/4" T2

11	Stop Sub	BHI	8.25	1	8.25	3	1.49	REG B	P		12552077
12	Stabilizer	BHI			8.25	2.813	6.75	6-5/8" REG B	6-5/8" REG P		IBSSBD10217
13	Float Sub	BHI	8.25	1	8.25	2.992	3.25	6-5/8" REG B	6-5/8" REG P		14129690
14	PBL (Multiple Activation By Pass)	SAM	8.25	1	8.25	2.5	8.5	6-5/8" REG B	6-5/8" REG P		WES825BP
15	Crossover	RIG	8.25	1	8.25	3	3.65	XT-54 B	6-5/8" REG P		10
16	Heavy Weight Drillpipe (HWDP)	RIG	5.5	4	5.5	3.25	124.75	XT-54 B	XT-54 P		
17	Hydro-Mechanical Jar	NOJ	6.5	1	6.5	2.75	31.61	XT-54 B	XT-54 P		474-651676
18	Heavy Weight Drillpipe (HWDP)	RIG	5.5	7	5.5	3.25	219.09	XT-54 B	XT-54 P		
19	Drillpipe	RIG	5.5	1	5.5	4.67	42.1	XT-54 B	XT-54 P		

Miscellaneous	BOP Test <b>02/24/2023</b>	BOP Drills	Wind <b>24-28 KNOTS</b>	Sea <b>3-5 FT</b>	Weather <b>SEASONAL</b>	DSLTA	Safety Meeting					
	Real-Time Data Quality	Sensors Quality <b>96%</b>	Data Frequency <b>99%</b>	Real-Time Hrs	10.99/24 hrs							
Personnel and Services Information	COMPANY	GOS	BHI	RIG	BDF	TSF	NOJ	RIG	BCM	MI2	ARM	Total <b>82</b>
	CATEGORY	CTR G	DPDS	RIG	DFMS	H2S	JST	MED	PCS	SCS	WSC	
	NO. OF PERSONS	15	3	52	2	1	0	1	2	1	5	
	OPERATING HRS.	0	19	24	24	0	20	0	24	24	24	
	ON LOCATION HRS.	24	24	24	24	24	0	24	24	24	24	
Trucks/Boats	Standby/Tankers <b>TOPAZ KHUWAIR</b>											
BULK	Drill Wtr.-BBLS <b>2843</b>	Pot Wtr.- BBLS <b>1780</b>	Fuel- BBLS <b>3505</b>	Barite- SX <b>3370</b>	Bentonite - SX <b>0</b>	Cement G- SX <b>2272</b>						
REPAIR ASAP	Instrumentation	Other										Reporter
	Computer, Communication & V-Sat Issues <b>NEED NEW PRINTER</b>											

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>SFNY-1149 (WELL TREATMENT, ESP CHANGE OUT )</b>	Rig <b>ADM- 655</b>	Foreman(s) <b>ALMUSTAFA, AHMED HASSAN/ HASSAN, MOHAMED ADEL/ ALHAMID, OMAR MOHAMMED/ ELSOKKARY, OSSAMA AHMED/ BUDAIR, SAAD MOHAMMAD</b>
Charge <b>(72- 23013- #: 1149)</b>	Wellbores: (0) SFNY_1149_0	Engineer Superintendent	<b>RIG FORMAN VSAT</b>
		<b>TURAYA 00 88 216 777 110 74</b>	<b>OTHER VSAT</b>

Depth <b>9923</b>	Last 24 hr operations <b>R/U &amp; P/T COILED TUBING.</b>	Next 24 hr plan <b>PERFORM DRIFT RUN TO BOW, CHC &amp; POH. W/ SFNY 1140/1149 COILED TUBING, RIH PERFORM STIMULATION ON L-1, POH.</b>	Location	Days Since Spud/Comm (Date) <b>80.5 (12/08/2022@1700)</b>	Formation tops
Prev. Depth <b>9923</b>	Liner Size <b>7</b>	TOL <b>6689</b>	MD <b>9920</b>	TVD <b>4734</b>	Last Csg Size MD TVD <b>9 5/8 68674819</b>

Hrs (From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations		
								Start	End	Start	End					
15.0 0500 - 2000 0			E	STIM	STIM	CTU	SJT	9923	9923					<b>RIG UP TAQA 2" COILED TUBING EQUIPMENT.</b>		
03.0 2000 - 2300 0			E	TEST	OTH	NA	RIG	9923	9923			WON	909656	<b>STOPPED ALL CRANE MOVEMENT, SECURED THE WELL &amp; WAIT ON WEATHER DUE TO HEAVY RAN &amp; HIGH SEPEED WIND.</b>		
01.5 2300 - 0030 0			E	STIM	STIM	CTU	SJT	9923	9923					<b>M/U TOOL CONNECTOR, PERFORMED PULL TEST TO 35 KLBS, GOOD TEST.</b>		
01.5 0030 - 0200 0			E	STIM	STIM	CTU	SJT	9923	9923					<b>HPJSM, P/T CTU REEL &amp; CONNECTOR TO 300/4,000 PSI WITH RIG PUMP, 5/10 MIN - GOOD TEST.</b>		
02.0 0200 - 0400 0			E	STIM	STIM	CTU	SJT	9923	9923					<b>HPJSM, R/U INJECTOR HEAD ON RISER, P/T TAQA CTU BOP RAMS &amp; RISER TO 300/2,500 PSI.</b>		
01.0 0400 - 0500 0			E	STIM	STIM	CTU	SJT	9923	9923					<b>M/U 2-1/8" TAQA JETTING NOZZLE ASSY. M/U INJECTOR HEAD ASSY ON TOP OF RISER, DRIFT CT REEL W/ 0.625" BALL DISPLACED WITH WATER.. ON GOING @RPT.</b>		

#### Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
27 Feb 2000 - 2300	3	3	909656		WON	WTHR	NA	ARM	0	<b>UNABLE TO CONTINUE RIG UP COIL TUBING DUE TO HIGH WIND SPEED &amp; HEAVY RAIN.</b>

ODF TO TBG SPOOL: 64 FT, PRT TO TBG SPOOL: 48.5 FT, ODF CORRECTION: +15.5 FT

4-3/4" ZAMIL HM DRILLING JAR (S/N HJDA47-S6-02-SH) REC ON MAN# 2100682083 ON FEB 16, 2022.

ARAMCO MATERIAL EXPEDITOR, IBRAHIM ALSAEDI #8513907 IS ON LOCATION SINCE 02/14/2022.

TOTAL BULLHEAD DURING KILL OPERATION: 820 BBLS. FLUID LOSSES LAST 24 HRS: 0 BBLS. TOTAL FLUID PUMPED IN THE WELL: 820 BBLS.

CURRENT LOCATION: SFNY-1140/1149.

- 1 WELL TO WORKOVER, SFNY-1149 1ST WORKOVER (SMART COMPLETION ESP REPLACEMENT).
- 1 WELL TO WORKOVER, SFNY-1149 2ND WORKOVER (DE-COMPLETE LOWER SMART COMPLETION AND STIMULATION IN MB & L-1).

NEXT LOCATION: SFNY-1040/1049.

- 2X WELL TO WORKOVER, SFNY-1041 & SFNY-1048 (ESP CHANGE OUT).
- SEABED SURVEY REQUEST# 8800018853 SUBMITTED ON 11/01/22. - REPORT RECEIVED ON 12-05-2022.
- RECEIVED LPA & LA ON 11/8/22
- RIG MOVE REQUEST# RM-2022-4008060 SUBMITTED ON 11/05/22, SCHEDULED 11/09/22, RECIVED ON 11/28/2022.
- PLATFORM DE-PRESSURIZATION REQUEST# 22750 SUBMITTED ON 11/07/22.
- DIVING REQUEST # DP-2023-12944 SUBMITTED ON JAN 01, 2023, FOR PLATFORM DEBRIS REMOVAL. DONE.
- PLATFORM VIST AND ACCEPTED ON JAN 7, 2023.

3RD LOCATION: SFNY-1000/1009.

- PLATFROM TRASNFRD TO ARO-2003 AS PER WOE ON 02-08-2023.
- 2X WELL TO WORKOVER, SFNY-1006 & SFNY-1008, ESP CHANGEOUT.
- RECEIVED LPA ON 11/20/22.
- SEABED SURVEY REQUEST# 8800018886 SUBMITTED ON 11/08/22. REC FIELD REPORT ON FEB 1ST, 2023.
- RIG MOVE REQUEST RM-2022-4008034 SUBMITTED ON 11/8/22, SCHEDULED 11/15/22, RESCHEDULED TO 11/21/22
- PLATFORM DE-PRESSURIZATION REQUEST# 22770 SUBMITTED ON 11/08/22.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS	
Weight	Funnel Vis.	Filtrate(WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM

MUD DATA	82 PCF	85 SEC	0 HTHP	Filtrate (WL) API	17	36	0 Volts	20 / 25	20 / 27	9.5	156000	275000
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	
	120	0	0	88	0	12	0	0	0	CACL		
	Weight	Funnel Vis.	Filtrate(WL) API	Filtrate (WL) API	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM
	82 PCF	84 SEC	0 HTHP		18	35	0 Volts	20 / 25	20 / 27	9.5	156000	275000
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	
MUD TREATMENT	120	0	0	88	0	12	0	0	0	CACL		
BIT DATA												
DRILL STRING	Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #											
Miscellaneous	BOP Test <b>02/20/2023</b>	BOP Drills		Wind <b>16 KNOTS ESE.</b>		Sea <b>3 FT HEIGHT</b>		Weather <b>SEASONALY.</b>		DSLTA <b>4717</b>	Safety Meeting <b>EVERY TOUR.</b>	
	Real-Time Data Quality							<b>No Transmission</b>				
Personnel and Services Information	COMPANY		HCB	SJT	RIG	EMC	RAC	RIG	ARM	ARM		
	CATEGORY		BRCR	COIL	RIG	DFMS	WMFE	OTHR	OTHR	WSC		Total <b>70</b>
	NO. OF PERSONS		1	6	43	1	1	15	1	2		
	OPERATING HRS.		0	24	24	24	0	0	12	24		
	ON LOCATION HRS.		24	24	24	24	24	24	24	24		
Trucks/Boats	Standby/Tankers <b>RAWABI-5</b>											
BULK	Drill Wtr.-BBLS <b>362</b>	Pot Wtr.- BBLS <b>795</b>	Fuel- BBLS <b>468</b>	Barite- SX <b>0</b>	Bentonite - SX <b>0</b>	Cement G- SX <b>1233</b>						
REPAIR ASAP	Instrumentation <b>NONE.</b>	Other <b>NONE.</b>										Reporter
	Computer, Communication & V-Sat Issues <b>NONE.</b>											

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Date	Well No (Type) :	Rig	Foreman(s)
MONDAY 02/27/2023	<b>BRRI-107 (SIDETRACK WELL, RUN 4 1/2" LINER, COMPLETE WELL WITH PDHMS.)</b>	<b>ADM- 656</b>	<b>ABOUELGHAIT, MAHMOUD MOHAMED HAMED H/ SHAMMARI, ABDULAZIZ DAKHEEL/ ALFAYEZ, FAISAL SULAIMAN/ AMMARI, MOHAMED ABDULLAH/ ALAHMAD, BADER MOHAMMED/ BUDAIR, SAAD MOHAMMAD</b>
Charge (#:	<b>(71- 23024- 0107)</b>	Engineer	
(0- Wellbores: 1- BRRI_107_2 1)		Superintendent	
Wellbores: (0- 1)		THURAYA	RIG FORMAN <b>008821677711086</b>
		VSAT	OTHER VSAT
		<b>378-6304</b>	CONTRACTOR/CLERK VSAT
		<b>378-6325</b>	<b>378-6331</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
7850	RIH WITH 7" WHIPSTOCK AND SET -DISPLACE TO OBM - MILL 7" WINDOW & RATE HOLE.	DRILL 12' RATE HOLE -CHC - POH & L/D MILLING BHA - P/U & RIH 6 1/8" SCHL. RSS DIRC. ASSY - DRILL L-0-1-1	BRRI-107 - TWO WELLS PLATFORM.	13.5 (02/13/2023@1500)	

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
7850	7	5945	7788	7356	7	5945	5738	0	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
01.0	0500 - 0600	0-1		N	TINL	OTH	NA	WI3	7850	7850			CONT SCHL. MWD/DD SCRIBE MWD TOOL FACE TO 7" WIS WHIP-STOCK , DRAIN BOP'S STACK AND RIH ON ONE STAND 4-3/4" DC AND 5EA X 7" WFD STRING MAGNETS TO 210 FT.
11.0	0600 - 1700	0-1		N	TINL	OTH	NA	RIG	7850	7850			RIH WITH WIS 7" WHIPSTOCK ON 4" HWDP/4" DP AT CONTROLLED SPEED TO SETTING DEPTH @ 7270 FT ODF (BTM OF WHIPSTOCK).
01.0	1700 - 1800	0-1		N	TINL	SET	WPSTK	WI3	7850	7850	7248	7258	ORIENT WHIPSTOCK BY CIRCULATING AT 300 GPM AND SET WHIPSTOCK (TOP OF WHIPSTOCK 7248'). SLACK-OFF 15K LBS AND CONFIRM WHIPSTOCK IS SET. DD CONFIRM ORIENTATION OF THE WHIPSTOCK AS PER APPROVED DIRECTION PLAN. SLACK OFF 40K LBS AND SHEAR LEAD MILL. SLACK OFF FURTHER TO 55K LBS. PICK-UP 5' AND CONFIRMED SHREADED.
04.0	1800 - 2200	0-1		N	TINL	CIRC	MPMP	RIG	7850	7850			RIH AND SLACK-OFF 10K LBS AND MARK ON THE PIPE. PICK-UP 5' AND RECORD PARAMETERS, PUMP 20 BBLS HI-VIS AND DISPLACE HOLE TO 76 PCF RHELIANT OBM. CONDITION MUD WEIGHT AND PARAMETERS BEFORE MILLING WINDOW.
00.0	2200 - 2200	0-1-1	6 1/8	S	OT	TINL	NA	RIG	7248	7248			TIE INTO NEW LATERAL.
07.0	2200 - 0500	0-1-1	6 1/8	N	DRLG	DO	NA	WI3	7248	7270	7248	7270	ESTABLISH MILLING PARAMETERS AS PER WIS ENG. AND BEGIN MILLING 7" CASING FROM TOW @ 7248' ODF TO BOW @ 7258 FT ODF. CONTINUE MILLING 12' OF RAT HOLE TO 7270 FT ODF...5 FT RAT HOLE PROGRESS @RPT.

ODF TO TBG SPOOL: 29.6 FT, PRT TO TBG SPOOL: 51.6 FT, ODF CORRECTION: - 22 FT.

TOTAL BRINE VOLUME LOST IN HOLE 2,430 BBL.

=====

RIG POSITION: 27 DEG 16.36' N, 049 DEG 41.02' E

RIG HEADING 310 DEG, WATER DEPTH 21 FT LAT, AIR GAP 42 FT

LEG PENETRATIONS: ALL LEGS 4.5" FT

ANCHORING RESTRICTIONS: NO ANCHORING RESTRICTIONS

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- RIG CLERK, VINCENT DELA PENA, BADGE# 8159940 ON BOARD SINCE 12/27/22.

- ARAMCO FCT, MOHAMMED IBRAHEM, BADGE# 783760 ON BOARD SINCE 02/17/23.

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- DISCUSSED WITH RIG CREW: NONE.

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- CURRENT PLATFORM: BRRI 107, 121 (ONE WELL TO WORKOVER - BRRI-107 SIDETRACK).

- DIVING REQUEST (DR- 2023-13191) SUBMITTED FOR SCORING CHECK AS PER RIG MOVE MEETING MINUITES.

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- SKIP & SHIP, SKIPS ON BOARD: 35 (FULL SKIPS: 0).

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- RECEIVED SLB 4-3/4" HYDRO-MECH JAR SERIAL #00797K MANIFEST # 2100681236 ON 02/13/2023

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec		DLS								
MUD DATA	Weight <b>76</b> PCF	Funnel Vis. <b>58</b> SEC	Filtrate(WL) <b>2.8</b> HTHP	Filtrate (WL) API	PV <b>25</b>	YP <b>17</b>	Electrical Stability <b>450</b> Volts	3/6 RPM <b>5 / 6</b>	Gels Sec/Min <b>7 / 9</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>													
	FL Temp <b>100</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>17</b>	Oil Vol. % <b>65</b>	Solids Vol. % <b>18</b>	Sand Vol. % <b>0</b>	% LGS <b>1.73</b>	MBT <b>0</b>	Mud type <b>RELIANT</b>	Water Well #														
	Weight <b>68</b> PCF	Funnel Vis. <b>55</b> SEC	Filtrate(WL) <b>3.4</b> HTHP	Filtrate (WL) API	PV <b>25</b>	YP <b>14</b>	Electrical Stability <b>350</b> Volts	3/6 RPM <b>4 / 5</b>	Gels Sec/Min <b>6 / 8</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>													
	FL Temp <b>100</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>19</b>	Oil Vol. % <b>63</b>	Solids Vol. % <b>18</b>	Sand Vol. % <b>0</b>	% LGS <b>1.73</b>	MBT <b>0</b>	Mud type <b>RELIANT</b>	Water Well #														
MUD TREATMENT	<b>CAACL2-80</b>	<b>ECOTROL-RD</b>	<b>MRBL-F</b>	<b>CAOH2</b>	<b>STELSEALFN</b>	<b>SUREMUL</b>	<b>SUREWET</b>	<b>VG-PL</b>	<b>VG-SUP</b>																
BIT DATA																									
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #											
Miscellaneous	BOP Test <b>02/17/2023</b>	BOP Drills		Wind <b>42 KNOTS</b>		Sea <b>4.0- 5.5 FT</b>		Weather <b>SEASONAL</b>		DSLTA <b>7717</b>		Safety Meeting <b>TOURLY</b>													
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs			<b>10.99/24 hrs</b>										
Personnel and Services Information	COMPANY		RTC	OTH	WI3	SDM	RIG	EMC	SMI	HSS	RIG	ARM	ARM	HWP	Total <b>77</b>										
	CATEGORY		BITS	CTRG	WPSTK	DPDS	RIG	DFMS	DFMS	OTHR	OTHR	OTHR	OTHR	WSC											
	NO. OF PERSONS		1	13	1	4	43	1	1	2	2	2	2	3											
	OPERATING HRS.		0	0	24	2	24	12	12	0	0	12	12	24											
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24											
Trucks/Boats	Standby/Tankers <b>RAWABI-208</b>																								
BULK	Drill Wtr.-BBLS <b>1416</b>	Pot Wtr.- BBLS <b>367</b>	Fuel- BBLS <b>1665</b>	Barite- SX	Bentonite - SX	Cement G- SX	<b>1910</b>																		
REPAIR ASAP	Instrumentation	Reporter																							
Computer, Communication & V-Sat Issues																									

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Date <b>MONDAY 02/27/2023</b>	Well No (Type): <b>SFNY-4300 (OIL-EVALUATION/DELINERATION)</b> Charge #: <b>(66- 22013- 4300)</b> Wellbores: (0) SFNY_4300_0	Rig <b>ADM-657</b>	Foreman(s) Engineer Superintendent <b>JABS, DARCY/ ALDEES, HADI ABDULLAH/ ALOTAIBI, MASHARI RASHED/ YAMI, NASSER SALEM</b>
		THURAYA <b>08821623700035</b>	RIG FORMAN VSAT <b>378-6561</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops	
6287	<b>CONT SAMPLING &amp; VIT INTERVALS AS PER PROGRAM, UNLATCH, TOH &amp; L/D W/ HLB W/L LOGGING TOOLS RUN #4 (GR/RDT/PP/HM).</b>	<b>POOH WITH HLB WIRELINE BHA ON 5" DP, L/D HLB W/L BHA, PERFORM C/O RUN, CHC, TOH, P/U &amp; M/U P/O ASSY, TIH W/ SAME.</b>	<b>SFNY-4300 MLS OPEN WATER</b>	<b>24.0 (02/03/2023@0600)</b>	<b>RUS 940 131 FT SHALLOWER UMER 1406 191 FT SHALLOWER ARUM 3376 145 FT SHALLOWER LAMS 4468 148 FT SHALLOWER PAMU 4994 70 FT SHALLOWER PLVL 5161 83 FT SHALLOWER AHMD 5203 89 FT SHALLOWER CPCK 5329 83 FT SHALLOWER WARA 5414 84 FT SHALLOWER MDDD 5575 81 FT SHALLOWER SFNY 5589 81 FT SHALLOWER DAIR 6136 33 FT SHALLOWER</b>	
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %	
6287			9 5/8	45944594	0 100	
Hrs (From - To)	Lateral	Hole size	Cat.	Major OP	Action Object Resp. Co Hole depth Start End Event depth Start End	Summary of Operations
01.8 0500 - 0645 0	8 1/2	E	LOG	LOG	WLT HWP 6287 6287 5469 5480	COMPLETE RDT MONITOR PROBE STATION @ 5480', RDT SOURCE PROBE @ 5469' VIT TEST, MONITOR WELL ON TRIP TANK, WELL STATIC.
00.5 0645 - 0715 0	8 1/2	E	LOG	LOG	CORRL HSL 6287 6287 5460 5460	MOVE DRILL PIPE FREELY, PERFORM GAMMA RAY CORRELATION PASS, SCAN FOR GOOD MOBILITY.
04.0 0715 - 1115 0	8 1/2	E	LOG	LOG	WLT HWP 6287 6287 5460 5470	PERFORM VIT TEST#2, SOURCE @ 5460 FT & MONITOR @ 5470.64 FT, COLLECT SAMPLE.
01.5 1115 - 1245 0	8 1/2	E	LOG	LOG	CORRL HWP 6287 6287 5450 5450	MOVE DRILL PIPE FREELY & BREAK CIRCULATION, PERFORM CORRELATION & MOVE TO 5450 FT, SCAN FOR GOOD MOBILITY.
00.8 1245 - 1330 0	8 1/2	E	LOG	LOG	WLT HWP 6287 6287 5450 5450	SET PROBE @ 5450 FT, START PUMPING, ABORTED DUE TO NO FLOW.
04.8 1330 - 1815 0	8 1/2	E	LOG	LOG	WLT HWP 6287 6287 5433 5433	MOVED TO NEXT POINT & SET RDT PROBE @ 5433' STATION PERFORM SAMPLE, MONITOR WELL ON TRIP TANK, WELL STATIC.
00.8 1815 - 1900 0	8 1/2	E	LOG	LOG	WLT HWP 6287 6287 5480 5480	STOP AT 5480' AND SCAN FOR GOOD MOBILITY.
04.0 1900 - 2300 0	8 1/2	E	LOG	LOG	WLT HWP 6287 6287 5480 5480	SET RDT MONITOR PROBE @ 5490', SET RDT SOURCE PROBE @ 5480' STATION PERFORM VIT, MONITOR WELL ON TRIP TANK, WELL STATIC.
01.0 2300 - 0000 0	8 1/2	E	LOG	CIRC	MPMP RIG 6287 6287	MOVED DRILL PIPE FREELY & RIH T/5525' AND START CIRCULATING PUMP OUTS TO 9-5/8" CSG SHOE W/ 126 GPM @ 240 PSI. FLOW CHECK, WELL STATIC.
02.0 0000 - 0200 0	8 1/2	E	LOG	TO	STDP RIG 6287 6287 5525 4431	POOH W/5" DP & HLB W/L AT CONTROLLED SPEED F/ 5525' T/4431'.
01.5 0200 - 0330 0	8 1/2	E	LOG	OTH	NA HWP 6287 6287	FLOW CHECK, WELL STATIC. UNLATCHED AND RETRIEVED WIRELINE TO SURFACE, R/D SES.
01.0 0330 - 0430 0	8 1/2	E	LOG	CIRC	MPMP RIG 6287 6287 4585 4585	CIRCULATED BOTTOM-UP W/ 256 GPM @ 437 PSI. FLOW CHECK, WELL STATIC.
00.5 0430 - 0500 0	8 1/2	E	LOG	TO	STDP RIG 6287 6287 4583 4100	POOH WITH HLB WIRELINE BHA AT CONTROLLED SPEED.

SFNY-4300 WILL BE DRILLED AS A WATER INJECTOR PLATFORM-LOCATOR VERTICAL WELL TO THE BASE OF SFNY RESERVOIR. IT WILL EVALUATE THE OIL COLUMN AND CURRENT OWC ACROSS AHMD, MDDD, WARA AND SFNY RESERVOIRS IN THE SOUTH-EASTERN FLANKS OF SFNY FIELD.

=====HSE ALERTS, DRILLS, & INCIDENTS=====

\* HELD WEEKLY H2S, FIRE, ABANDONSHIP DRILLS, 02/26/2023

\* DISCUSSED HSE ALERT 19-23 DRAW-WORKS BRAKING SYSTEM

\* DISCUSSED OPERATIONAL ALERT 05-23 POWER OUTAGE

\* DISCUSSED EXT ALERT 01-23 WELL CONTROL

=====PERSONNEL=====

\*ARAMCO MATERIAL EXPEDIATOR AIYEDH AL HAJRI #8566233 ONBOARD SINCE 02/21/2023

\*ARAMCO PDP ABDULAZIZ AL GHAMDI #790200 ONBOARD SINCE 02/21/2023

\*ARAMCO HSE ABDULMAJED BIN OTHMAN ID#764248 ONBOARD SINCE 02/22/2023

\* PLANNED 34" CP @ 328' MD, ACTUAL 335' MD

\* PLANNED 13-3/8" CSG @ 1,121' MD / 1,121' TVD (+/-50' TVD INSIDE RUS), ACTUAL 1,022' MD / 1,022' TVD

\* PLANNED 9-5/8" CSG @ 4,716' MD / 4,716' TVD (+/-100' TVD INSIDE LAMS), ACTUAL 4594' MD / 4594' TVD

\* PLANNED 7" LINER TD @ 6,320' MD / 6,320' TVD (INSIDE BASE DIAR LIMESTONE), ACTUAL 6287' MD / 6286' TVD

=====CURRENT LOCATION=====

CURRENT LOCATION SFNY-4300 MLS

\*\* LAT: 28 DEG, 03.77 N & LONG: 048 DEG 50.50 E

\*\* WATER DEPTH: 18' LAT

\*\* RIG HEADING: 015 DEG.

\*\* AIR GAP: 45'.

\*\* RKB TO WATER: 110'

\*\* RKB TO MUD LINE: 128'

\*\* RKB TO TEXAS DECK: 65.7'

\*\* FINAL PENETRATION BOW 23' PORT 22.50' STBD 22.50'

=====RENTAL TOOLS=====

\* 8-1/4" OILSERV HMJ # 8000028, MANIFEST #2400606307, B/L 02/21/23

\* 6-1/2" SMITH HMJ # 52830023, MANIFEST #2100681442, ONBOARD FEB 13 2023

=====NEXT LOCATION=====

- SFNY-4310 MLS (OPEN WATER), EXPECTED RIG MOVE +/- 03/04/2023

- SITE SPECIFIC SURVEY REQUEST# 8800018895 SUBMITTED 11/21/22 (SCHEDULED WEEK 7-8- IN PROGRESS)

- RIG POSITIONING REQUEST # 8000642966 SUBMITTED 01/09/2023 (APPROVED)

- R/M REQUEST #2023-4008314 SUBMITTED 01/09/2023 (APPROVED)
- R/M MEETING REQUESTED 02/09/2023 (SCHEDULED FEB 8)

=====MLS LOCATION SFNY-1780=====

- SITE SPECIFIC SURVEY REQUEST# 8000642803 SUBMITTED 12/29/22 (APPROVED & NOT CONDUCTED)

=====SKIP & SHIP=====

\* FULL SKIPS ONBOARD: 0  
 \* EMPTY SKIPS ONBOARD: 9  
 \* TOTAL SKIPS USED FOR WELL: 71  
 \* TOTAL TONNAGE SHIPPED FOR WELL: 274  
 \* TOTAL VOLUME SHIPPED FOR WELL: 759 BBL  
 \* CUTTING RETORT: 77% FLUIDS, 23% SOLIDS  
 \* TOTAL EMPTY SKIP ON BOAT: 0  
 \* TOTAL FULL SKIP ON BOAT: 13

=====FUEL CONSUMPTION=====

DIESEL CONSUMPTION FOR ENGINES: DAILY: 28 BBL, CUMULATIVE DIESEL USED SFNY-4300: 1696 BBL.

Remarks

Lateral	Survey MD		Angle	Azimuth	CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight	Funnel Vis. <b>80</b> SEC	Filtrate(WL) <b>2</b> HTHP	Filtrate (WL) API	PV <b>33</b>	YP <b>22</b>	Electrical Stability <b>621</b> Volts	3/6 RPM <b>9 / 11</b>	Gels Sec/Min <b>13 / 17</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>251660</b>
	FL Temp	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>0</b>	Oil Vol. % <b>21</b>	Solids Vol. % <b>56</b>	Sand Vol. % <b>23</b>	% LGS <b>0</b>	MBT <b>2.05</b>	Mud type <b>OBM</b>	Water Well #	
	Weight	Funnel Vis. <b>80</b> PCF	Filtrate(WL) <b>77</b> SEC	Filtrate (WL) API <b>1.6</b> HTHP	PV <b>33</b>	YP <b>21</b>	Electrical Stability <b>628</b> Volts	3/6 RPM <b>9 / 11</b>	Gels Sec/Min <b>12 / 17</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>251660</b>
	FL Temp	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>0</b>	Oil Vol. % <b>21</b>	Solids Vol. % <b>56</b>	Sand Vol. % <b>23</b>	% LGS <b>0</b>	MBT <b>2.05</b>	Mud type <b>OBM</b>	Water Well #	
	Weight	Funnel Vis. <b>80</b> PCF	Filtrate(WL) <b>76</b> SEC	Filtrate (WL) API <b>1.6</b> HTHP	PV <b>32</b>	YP <b>22</b>	Electrical Stability <b>626</b> Volts	3/6 RPM <b>9 / 11</b>	Gels Sec/Min <b>12 / 17</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>251660</b>
	FL Temp	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>0</b>	Oil Vol. % <b>21</b>	Solids Vol. % <b>56</b>	Sand Vol. % <b>23</b>	% LGS <b>0</b>	MBT <b>2.05</b>	Mud type <b>OBM</b>	Water Well #	
MUD TREATMENT	CACL2-80	CAOH2 35(2200L)	4(50LB)									
BIT DATA												
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade
Miscellaneous	BOP Test <b>02/13/2023</b>	BOP Drills <b>N/A</b>	Wind <b>8-10 KNTS SE</b>	Sea <b>1-2 FT</b>	Weather <b>SEASONAL</b>	DSLTA	Safety Meeting <b>DAILY</b>					
	Real-Time Data Quality	Sensors Quality <b>100%</b>	Data Frequency <b>100%</b>	Real-Time Hrs <b>11.49/24 hrs</b>								
Personnel and Services Information	COMPANY	OTH	RIG	OES	SMI	SJS	ARM	HCM	BSC	MI2	ARM	HWP
	CATEGORY	CTR G	RIG	DFMS	DFMS	JST	OTHR	PCS	SCS	SCS	WSC	WLS
	NO. OF PERSONS	<b>14</b>	<b>46</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>6</b>
	OPERATING HRS.	<b>0</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>24</b>
	ON LOCATION HRS.	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>
	Total											<b>79</b>
Trucks/Boats	Standby/Tankers <b>HADI-22</b>											
BULK	Drill Wtr.-BBLS <b>1465</b>	Pot Wtr.- BBLS <b>596</b>	Fuel- BBLS <b>1016</b>	Barite- SX <b>1740</b>	Bentonite - SX <b>120</b>	Cement G- SX <b>2862</b>						
REPAIR ASAP	Instrumentation	<b>NONE</b>		Other	<b>NONE</b>		Reporter					
	Computer, Communication & V-Sat Issues											

WE HAVE ISSUES WITH UNSTABLE CONNECTION WITH VSAT ON A DAILY BASIS. TICKET # 44419308 BROADBAND, TICKET # 44419403 CONNECTIVITY, TECHNICIAN REQUIRED ONBOARD TO UPGRADE SYSTEM HARDWARE.

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D&WO Morning Report (Service Providers View)  
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 Daily OffShore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ZULF-1297 (DUAL LATERAL HORIZONTAL OIL PRODUCER TARGETING SFNY RESERVOIR)</b>	Rig <b>ADM- 680</b>	Foreman(s) <b>SALEM, ALMOATAZ BELLAH/ ALSHAMMARI, ESSA MOHAMMED/ BUSTAMANTE RODRIGUEZ, VICTOR JOSE/ HAWSAWI, ABDULLAH OMAR</b>
Engineer	THURAYA <b>008821677714</b>	RIG FORMAN VSAT <b>673-2850</b>	Superintendent OTHER VSAT <b>849-9969 673-5773</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>1800</b>	<b>DRILL 22" SECTION TO CP 1800'. PERFORM CONT'D POH, WIPER TRIP. CIRC HOLE CLEAN. PUMP CSG GO PILL. POH FOR 18-5/8" CASING.</b>	<b>CONT'D POH, ZULF-1290/ 1299 RUN &amp; CMT 18-5/8" CSG</b>		<b>2.1 (02/25/2023 @0145)</b>	
Prev. Depth <b>1560</b>	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage <b>32 300300 240</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
<b>06.8</b>	<b>0500 - 1145</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>DMR</b>	<b>MMOT</b>	<b>SDM</b>	<b>1560</b>	<b>1800</b>			<b>DIRECTIONAL DRILL 22" SECTION W/ SLB MM/GWD ASSY TO SECTION TD. PUMPED SWEEPS AS REQUIRED.</b>
<b>01.2</b>	<b>1145 - 1300</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>1800</b>	<b>1800</b>			<b>PUMP SWEEPS &amp; CHC.</b>
<b>00.5</b>	<b>1300 - 1330</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>PJSM</b>	<b>NA</b>	<b>RIG</b>	<b>1800</b>	<b>1800</b>			<b>HOLD SAFETY STANDDOWN MEETING WITH RIG CREW &amp; THIRD-PARTY PERSONNEL MEANWHILE CHC. DISCUSS LIFTING PLANS, POSITION OF PEOPLE &amp; SWA</b>
<b>04.0</b>	<b>1330 - 1730</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>BR</b>	<b>STRG</b>	<b>RIG</b>	<b>1800</b>	<b>1800</b>	<b>1800</b>	<b>880</b>	<b>BACK REAM OH F/ 1800' TO 880 FT.</b>
<b>01.0</b>	<b>1730 - 1830</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>1800</b>	<b>1800</b>			<b>PUMP SWEEPS &amp; CHC.</b>
<b>02.0</b>	<b>1830 - 2030</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>HT</b>	<b>BHA</b>	<b>RIG</b>	<b>1800</b>	<b>1800</b>			<b>SWAB WORK STRING DC/HWDP. POOH TO CSG AT 295 FT</b>
<b>00.5</b>	<b>2030 - 2100</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>1800</b>	<b>1800</b>			<b>CIRC BTMS UP UNTIL SHAKER CLEAN.</b>
<b>00.5</b>	<b>2100 - 2130</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>RR</b>	<b>TDS</b>	<b>RIG</b>	<b>1800</b>	<b>1800</b>			<b>SERVICE TDS AND ALL HOISTING RELATED EQUIPMENT.</b>
<b>00.2</b>	<b>2130 - 2145</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>HT</b>	<b>BHA</b>	<b>RIG</b>	<b>1800</b>	<b>1800</b>			<b>RIH W/SLB MTR-GWD TO 430 FT ON 5 1/2" DP. OBSERVED TIGHT SPOT AT 430 FT.</b>
<b>02.0</b>	<b>2145 - 2345</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>RW</b>	<b>BIT</b>	<b>RIG</b>	<b>1800</b>	<b>1800</b>	<b>390</b>	<b>585</b>	<b>REAM DOWN/ WASH UP &amp; PUMP SWEEPS &amp; CHC. PASS FREELY ON ELEVATOR FROM 390 FT TO 585 FT</b>
<b>01.5</b>	<b>2345 - 0115</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>TI</b>	<b>STDP</b>	<b>RIG</b>	<b>1800</b>	<b>1800</b>	<b>585</b>	<b>1800</b>	<b>RIH W/SLB MTR-GWD TO TD 1800 FT ON 5 1/2" DP.</b>
<b>01.5</b>	<b>0115 - 0245</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>1800</b>	<b>1800</b>			<b>PUMP SWEEPS &amp; CHC.</b>
<b>00.5</b>	<b>0245 - 0315</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>PJSM</b>	<b>NA</b>	<b>RIG</b>	<b>1800</b>	<b>1800</b>			<b>HOLD SAFETY STANDDOWN MEETING WITH RIG CREW &amp; THIRD-PARTY PERSONNEL MEANWHILE CHC. DISCUSS LIFTING PLANS, POSITION OF PEOPLE &amp; SWA</b>
<b>00.5</b>	<b>0315 - 0345</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>1800</b>	<b>1800</b>			<b>PUMP CSG GO PILL &amp; FLOW CHECK. WELL STATIC</b>
<b>01.2</b>	<b>0345 - 0500</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>TO</b>	<b>STDP</b>	<b>RIG</b>	<b>1800</b>	<b>1800</b>	<b>1800</b>	<b>1044</b>	<b>POOH W/SLB MTR-GWD FROM 1800 FT TO 1044 FT.</b>

**ZULF-1297 OBJECTIVE: DUAL LATERAL HORIZONTAL OIL PRODUCER TARGETING SFNY RESERVOIR TO A TOTAL DEPTH OF +/- 9975 FT**  
**=====CURRENT LOCATION DATA=====**

\*\* PLATFORM: ZULF-1290/ 1299.  
 \*\* RIG POSITION: LATITUDE: 28 DEG 26.15 N, LONGITUDE: 049 DEG 16.37E, RIG HEADING: 330 DEG.  
 \*\* LEG PENETRATIONS: BOW 6.9 FT, PORT 6.9 FT, STBD 6.9 FT  
 \*\* WATER DEPTH: 131 FT.  
 \*\* AIR GAP: 42.5 FT  
 \*\* RKB TO PLATFORM MAIN DECK: 77.5 FT  
 \*\* RKB TO MSL (WATER LINE): 112 FT  
 \*\* RKB TO MUD LINE (SEABED): 243 FT

**=====BATCH DRILLING SEQUENCE=====**

\*\*ZULF-1297/22" HOLE - PLANNED DATE 26-FEB-2023 CURRENT  
 \*\*ZULF-1299/22" HOLE - PLANNED DATE 01-MAR-2023  
 \*\*ZULF-1298/22" HOLE - PLANNED DATE 05-MAR-2023  
 \*\*ZULF-1294/22" HOLE - PLANNED DATE 09-MAR-2023

**=====SAFETY=====**

\* DRILLS:  
 \* CONDUCT WEEKLY H2S & ABANDON SHIP DRILLS.  
 \* HELD FOREMAN SUPERVISORS MEETING, 2 PRETOUR MEETINGS, 2 TOOL BOX MEETINGS.  
 \* DISCUSSES ALERTS AS RECEIVED.

**=====PERSONNEL=====**

**=====NEXT LOCATION=====**

\* SFNY-1710

=====LC-50 SAMPLE=====

\* WBM LC-50 MUD SAMPLE SENT ON 20/12/2022 ON LEESE TIDE MN#2400595957.

\* OBM LC-50 MUD SAMPLE SENT ON 31/12/2022 ON BRASHER TIDE MN#2400598405.

=====RENTAL TOOLS=====

\* 1 X 9-1/2" JARS FROM NPS CO.

=====DIRECTIONAL DATA=====

\* FOLLOW PLAN: ZULF-1297 L0 PLAN-6.0 17SEP22 AEH PROPOSED REPORT.

\* MUD MOTOR 11 1/4" WITH 1.5 DEG BENT HOUSING, LOBE, 7:8; STAGE 4.8; OUTPUT 0.114 REV/GAL

\* MWD SENSORS OFFSET FROM BIT: D+I: 889.75. GYRO OFFSET FROM BIT 54.73'

\* ROTATION/SLIDING FOOTAGE: 215/ 25 FT, ROP ROTATION/SLIDING: 40/35 FPH

\* WELL PATH TO THE PLAN: 0.94 FT ABOVE AND 2.69 FT LEFT PROPOSED PLAN -6.0 17SEP22 AEH.

=====CASING POINTS PLANNED / ACTUAL:=====

18-5/8" 1800'---' MD ACTUAL.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
0	1800	7.50	189.00	60	1791.79	-150.89	-23.84	136.14	0.43
0	1740	7.73	188.14	86	1732.32	-143.03	-22.66	129.03	0.49
0	1654	7.39	186.25	96	1647.07	-131.81	-21.24	118.79	1.03
0	1558	6.41	187.59	95	1551.76	-120.36	-19.86	108.33	0.26

MUD DATA	Weight 69 PCF	Funnel Vis. 56 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 11	YP 33	Electrical Stability Volts	3/6 RPM 12 / 14	Gels Sec/Min 12 / 17	PH 9.5	CA PPM 320	CL PPM 22800
	FL Temp 0	Cake HTHP 0	Cake API 1	Water Vol. % 95	Oil Vol. % 0	Solids Vol. % 5	Sand Vol. % 0	% LGS 2.2	MBT 5	Mud type LS-ND	Water Well #	
	Weight 69 PCF	Funnel Vis. 58 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 12	YP 33	Electrical Stability Volts	3/6 RPM 13 / 15	Gels Sec/Min 13 / 18	PH 9	CA PPM 360	CL PPM 23000
	FL Temp 95	Cake HTHP 0	Cake API 1	Water Vol. % 95	Oil Vol. % 0	Solids Vol. % 5	Sand Vol. % 0	% LGS 2.19	MBT 5	Mud type LS-ND	Water Well #	
	MUD TREATMENT	OXYGON 3(55LB)	SODASH 5(100LB)	CAUST 9(55LB)	HYSTAR-P 24(55LB)	DUOVIS-NS 41(55LB)						

BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out				
	1	435	22	HTC	Z382YT	VGAC310H / 6 X 18 /	1.491	300	750						
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av
									1450	1000	216	54.02	59.53	223	

DRILL STRING	Float BHA Hrs: 32	Y														
	String Wt. 187	Pick Up 192	Slack Off 185	Rot. Torque 7000				Jars: Serial #/Hrs				/	Shock Sub:		/	
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit			HTC	22	1	22		2.13	7-5/8" REG					Z382YT
	2	Mud Motor			SDM	9.625	1	9.625		35.41	7-5/8" REG	7-5/8" REG				B0065
	3	Float Sub			SDM	9.5	1	9.5	3	2.79	7-5/8" REG	7-5/8" REG				2300102
	4	Stabilizer			SDM	21.75	1	9.5	3	8.3	7-5/8" REG	7-5/8" REG				SBD10110
	5	Saver Sub			SDM	9.625	1	9.625	3	1.61	7-5/8" H90	7-5/8" REG				5834721X2
	6	Gyro MWD			SDM	9.125	1	9.125	5.317	25.31	7-5/8" H90	7-5/8" H90				8022
	7	Saver Sub			SDM	9.625	2	9.625	4	2.62	7-5/8" H90	7-5/8" H90				OF6252
	8	Measurement While Drilling (MWD)			SDM	9.185	1	9.185	6.25	24.45	7-5/8" H90	7-5/8" H90				D6888
	9	Saver Sub			SDM	9.125	1	9.125	4.25	1.36	6-5/8" REG	7-5/8" H90				124387
	10	Float Sub			SDM	9.437	1	9.437	2.813	1.98	6-5/8" REG	6-5/8" REG				ITS339254
	11	Filter Sub			SDM	9.5	1	9.5	3.625	7.14	6-5/8" REG	6-5/8" REG				950-1027
	12	Drillcollar			RIG	9.5	6	9.5	3	185.38	6-5/8" REG	7-5/8" REG				TALLY

	13	Crossover	RIG	9.5	1	9.5	2.813	1.6	6-5/8" REG	7-5/8" REG			BMTQNM07651
	14	Drillcollar	RIG	8.5	3	8.5	2.875	93.06	6-5/8" REG	6-5/8" REG			TALLY
	15	Crossover	RIG	8	1	8	3	1.6	XT-54	6-5/8" REG			BMTQNM07651
	16	Heavy Weight Drillpipe (HWDP)	RIG	5.5	15	5.5	3.25	470.34	XT-54	XT-54			IN FILE
	17	Drillpipe	RIG	5.5	0	5.5	4.67	0	XT-54	XT-54			IN FILE
Miscellaneous		BOP Test	BOP Drills	Wind 15-18	Sea 1-2	Weather SEASONAL		DSLTA	Safety Meeting TOURLY				
		Real-Time Data Quality	Sensors Quality	100%	Data Frequency	100%	Real-Time Hrs	10.74/24 hrs					
Personnel and Services Information	COMPANY	FMC	HTD	OTH	SDM	RIG	OES	GCD	NPJ	SCM	ARM		Total <b>86</b>
	CATEGORY	CSR	CSV	CTR G	DPDS	RIG	DFMS	ISS	JST	PCS	WSC		
	NO. OF PERSONS	3	2	14	4	55	2	2	0	2	2		
	OPERATING HRS.	0	0	0	24	24	24	24	0	0	24		
	ON LOCATION HRS.	24	24	24	24	24	24	24	0	24	24		
Trucks/Boats	Standby/Tankers												
	<b>RAWABI-09</b>												
BULK	Drill Wtr.-BBLS <b>1173</b>	Pot Wtr.- BBLS <b>1011</b>	Fuel- BBLS <b>1755</b>	Barite- SX <b>4000</b>	Bentonite - SX <b>1764</b>	Cement G- SX <b>5486</b>							
REPAIR ASAP	Instrumentation	Other											Reporter
	Computer, Communication & V-Sat Issues												

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Date	Well No (Type) :	Rig	Foreman(s)
MONDAY 02/27/2023	ZULF-2106 (OIL-WATER INJECTOR IN ZULF) Charge (66- 22062- #: 2106) Wellbores: (0) ZULF_2106_0	ADM- 683	COOPER, JESSE DELAIN/ ABDEEN, KHALED FOUD/ BETANCOURT JOYA, MAURICIO GIOVANNI/ GHAMDI, MAGID ABDULLA
THURAYA	RIG FORMAN VSAT	OTHER VSAT	OTHER VSAT
+882-16777-14167	13-849-9971 (RADIO ROOM)	862-1992	CONTRACTOR/CLERK VSAT

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
5655	C/O CMT TO 10 FT ABOVE FC. CHC. TEST CSG. C/O FC & SOFT CMT TO 20 FT ABOVE F. HOLE 90 PCF OBM. POOH AND L/D SHOE. CHC. TEST CSG. D/O F. SHOE & RAT HOLE. CHC.	DRILL 10 FT NEW FM. DISPLACE 12-1/4" C/O BHA. RIH WITH 12-1/4" RSS ASSY.	ZULF-2100/2109 PF	40.9 (01/29/2023@0200)	UMER ARUM LAMS 2142 4593 5617 2090' TVD 3998' TVD 4735' TVD
Prev. Depth 5655	Liner Size	TOL MD TVD	Last Csg Size 13 3/8	MD 56484756	TVD Footage 0

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations					
									Start	End	Start	End						
07.0	0500 - 1200	0	16	N	DRLG	DC	TDS	RIG	5655	5655	5216	5342	DRILL OUT HARD CEMENT ABOVE FC TO 5342 FT. - HAD HARD CEMENT FROM 5320 FT TO 5342 FT.					
00.5	1200 - 1230	0	16	N	DRLG	PJSM	NA	RIG	5655	5655			HELD STAND DOWN SAFETY MEETING, DISCUSSED LIFESAVING RULES, PTW PROCEDURES, SWA, TASK PLANNING, HAZARDS IDENTIFICATION.					
01.2	1230 - 1345	0	16	N	DRLG	DC	TDS	RIG	5655	5655	5342	5360	DRILL OUT HARD CEMENT AND BYPASS PLUG FROM 5342 FT TO 5360 FT.					
02.8	1345 - 1630	0	16	N	DRLG	DC	TDS	RIG	5655	5655	5360	5553	DRILL SOFT CEMENT FROM 5360 FT TO 5553 FT (10 FT ABOVE FC). - 0-2 KLBS WOB OBSERVED.					
02.8	1630 - 1915	0	16	N	DRLG	CIRC	MPMP	RIG	5655	5655			PUMP SWEEPS AND CIRCULATE HOLE CLEAN.					
01.0	1915 - 2015	0	16	N	DRLG	PTST	MPMP	RIG	5655	5655			PRESSURE TEST CASING TO 1000 PSI FOR 10 MINS, GOOD TEST.					
03.8	2015 - 0000	0	16	N	DRLG	DC	TDS	RIG	5655	5655	5553	5628	DRILL/REAM SOFT CEMENT AND TAG FC AT 5562 FT. DRILL OUT CMT AND F/C TO 5565 FT. DRILL/REAM DOWN SOFT CEMENT FROM 5565 FT TO 5628 FT (20 FT ABOVE FLOAT SHOE). - NO WOB OBSERVED WHILE REAMING.					
00.5	0000 - 0030	0	16	N	DRLG	PJSM	NA	RIG	5655	5655			HELD STAND DOWN SAFETY MEETING, DISCUSSED LIFESAVING RULES, PTW PROCEDURES, SWA, TASK PLANNING, HAZARDS IDENTIFICATION.					
02.0	0030 - 0230	0	16	N	DRLG	CIRC	MPMP	RIG	5655	5655			PUMP SWEEP AND CIRCULATE HOLE CLEAN.					
00.8	0230 - 0315	0	16	N	DRLG	PTST	MPMP	RIG	5655	5655			PRESSURE TEST CASING TO 1000 PSI FOR 10 MINS, GOOD TEST.					
01.0	0315 - 0415	0	16	N	DRLG	DC	TDS	RIG	5655	5655	5628	5655	CLEAN OUT SOFT CEMENT AND FLOAT SHOE AT 5648 FT - CLEAN OUT RAT HOLE TO 5655 FT. NO CEMENT OBSERVED BELOW F. SHOE.					
00.8	0415 - 0500	0	16	N	DRLG	CIRC	MPMP	RIG	5655	5655			PUMP SWEEP AND CIRCULATE HOLE CLEAN.					

#### WELL DATA:

ZULF-2106 IS A HORIZONTAL WELL THAT WILL BE COMPLETED ACROSS SFNY AQUIFER AND UTILIZED AS WATER INJECTOR IN PF-2100/2109 IN THE EASTERN FLANK OF ZULUF FIELD, AS PART OF AH INCREMENT.

ZULF-2106 REQUIRES A PILOT HOLE TO PROVIDE GEOLOGICAL DATA FOR THE PLATFORM TARGETING KHFJ RESERVOIR.

ZULF-2106 WILL BE COMPLETED WITH 4-1/2" STAND-ALONE SCREENS (350 MICRONS), OH PACKERS AND UPPER COMPLETION WITH 4-1/2" GRE TUBING.

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#### CURRENT LOCATION DATA

\*\* PLATFORM: ZULF-2100/2109.

\*\* RIG POSITION: LATITUDE: 28.20'. 98" N, LONGITUDE: 049.19'.20"E, RIG HEADING: 330 DEG.

\*\* LEG PENETRATIONS: BOW 17.6 FT, PORT 18.2 FT, STBD 18.5 FT

\*\* WATER DEPTH: 148 FT

\*\* AIR GAP: 40.5 FT

\*\* RKB TO PLATFORM MAIN DECK: 65 FT

\*\* RKB TO MSL (WATER LINE): 104 FT

\*\* RKB TO MUD LINE (SEABED): 252 FT

.

#### WELL PLAN:

ZULF-2106 LO PLAN-19.1 - DATED 05 FEB 2023.

ACTUAL WELL PATH VS PLAN: 34.84' CT-CT, 8.83' BELOW, 33.7' LEFT.

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#### ZULF-2106 PLANNED CASING POINTS L-0:

32" CONDUCTOR AT 307'.

18-5/8" CASING AT 1897' (50' INTO RUS): ACTUAL: 1896'

13-3/8" CASING AT 5636' (50' TVD ABOVE LAWHA): ACTUAL: 5648'

9-5/8" CASING AT 9985' (TE SFNY RESERVOIR): ACTUAL:

8-1/2" PILOT TD AT 13703'(KHFJ RESERVOIR). ACTUAL:

#### PLANNED CASING POINTS L-1:

TOW: 9004 FT

7" LINER POINT AT 12960' (SFNY RESERVOIR). ACTUAL:

6-1/8" TD AT 16158' (SFNY RESERVOIR). ACTUAL:

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#### PF WELLS STATUS:

ZULF-2100 TIE BACK & SUSPENDED.

#### NEXT BATCH DRILLING SEQUENCE:

ZULF-2108 22"

ZULF-2107 22"

ZULF-2102 22"

ZULF-2101 22"

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#### SAFETY:

\*\* CONDUCTED DEAD SHIP DRILL ON 11/27/2022.  
 \*\* CONDUCTED FIRE DRILL ON 02/17/2023.  
 \*\* CONDUCTED H2S DRILL ON 02/27/2023.  
 \*\* CONDUCTED ABANDON SHIP DRILL ON 02/27/2023.  
 \*\* CONDUCTED MAN OVERBOARD DRILL ON 01/13/2023.  
 \*\* CONDUCTED SECONDARY EMERGENCY DRILL ON 02/17/2023.  
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**ARAMCO PERSONNEL:**

\*\* ARAMCO CLERK PRAKASH NEUPANE # 8145849 ON BOARD SINCE 01/27/2023  
 \*\* ARAMCO PDP FAHAD ALOTAIBI # 816357 ON BOARD SINCE 02/18/2023  
 \*\* ARAMCO FOREMEN, JAIME SOLANO (ID:169396), AND SAFWAN KUBBARA (ID: 743537), AT DDW SHIPYARD WORKING ON PCI FOR ADM-688.  
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**LC-50 SAMPLES:**

\*\* WBM SAMPLE SENT ON TROUNSON TIDE 02/03/2023, MN# 2400603285.

**Remarks**

Lateral	Survey MD		Angle	Azimuth		CLength		TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec		DLS													
MUD DATA	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	API	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM																	
	72 PCF	55 SEC	0 HTHP	14	26	0 Volts	10 / 11	10 / 14	9.5	240	70000																			
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	5	Mud type	NCPOL	Water Well #																	
	100	0	2	92	0	8	0	2.81																						
	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	API	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM																	
	72 PCF	55 SEC	0 HTHP	14	26	0 Volts	10 / 11	10 / 14	10	240	70000																			
MUD TREATMENT	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	5	Mud type	NCPOL	Water Well #																	
	100	0	2	92	0	8	0	2.81																						
BIT DATA	XC	BICB	CITRICACID	BARITE	NEWDRLLPLUS																									
	18(50LB)	25(50LB)	13(LB)	267(100LB)	10(50LB)																									
		Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out																		
		6RR	117	12.25	SMT	RV0601	XR+C	/	5655	5655																				
		Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP													
DRILL STRING	Float	Y																												
	BHA Hrs:																													
	String Wt.	Pick Up	Slack Off			Rot. Torque				Jars: Serial #/Hrs			/	Shock Sub:			Mud Motor:													
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #														
	1	Bit			SMT	12.25	1	12.25	1	1.07	6-5/8" REG							RV0601												
	2	Bit Sub			RIG	9.5	1	9.5	2.813	3	7-5/8" REG	6-5/8" REG																		
	3	Float Sub			RIG	9.5	1	9.5	3	2.57	7-5/8" REG	7-5/8" REG																		
	4	Drillcollar			RIG	9.5	6	9.5	3	184.9	7-5/8" REG	7-5/8" REG																		
	5	Crossover			RIG	9.5	1	9.5	2.813	2.58	6-5/8" REG	7-5/8" REG																		
	6	Drillcollar			RIG	8.5	3	8.5	2.813	93.13	6-5/8" REG	6-5/8" REG																		
	7	Crossover			RIG	8	1	8	2.813	2.6	XT54	6-5/8" REG																		
	8	Heavy Weight Drillpipe (HWDP)			RIG	5.5	2	5.5	3.25	62.72	XT54	XT54																		
	9	Hydraulic Jar			NPJ	6.5	1	6.5	2.75	30.8	XT54	XT54																		
	10	Heavy Weight Drillpipe (HWDP)			RIG	5.5	12	5.5	3.25	376.49	XT54	XT54																		
	11	Drillpipe			RIG	5.5	1	5.5																						
Miscellaneous	BOP Test	BOP Drills		Wind		23-25 KTS ESE	4-6 FT	Sea	Weather	DSLTA	Safety Meeting							PRE-TOUR & SAFETY STAND DOWN												
	02/17/2023																	10.74/24 hrs												
Personnel and Services Information	Real-Time Data Quality			Sensors Quality			100%	Data Frequency		100%	Real-Time Hrs								Total 99											
	COMPANY		FMC	RIG	WDV	SDM	WRT	RIG	BAR	OES	NRT	NPJ	RIG	ARM	NCS	BRD	ARM	GEP												
	CATEGORY		CSR	CTRG	DV	DPDS	DRF	RIG	DFMS	DFMS	HO	JST	OTHR	OTHR	PCS	SCS	WSC	WHES												
	NO. OF PERSONS		2	14	1	6	1	57	2	1	1	0	6	2	2	1	2	1												
	OPERATING HRS.		0	0	0	0	0	24	24	12	0	24	24	0	0	24	0	0												
Trucks/Boats	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	0	24	24	24	24	24	24	Reporter											
	Standby/Tankers																													
BULK	Drill Wtr.-BBLS		Pot Wtr.- BBLS		Fuel- BBLS		Barite- SX		Bentonite - SX		Cement G- SX																			
REPAIR ASAP	3623		1338		1603		7530		0		3755																			
Instrumentation		Other																												
Computer, Communication & V-Sat Issues																														
<b>** BACK UP VSAT REQUIRED.</b>																														

D&WO Morning Report (Service Providers View)  
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 Daily OffShore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>BRRI-2075 (DUAL LATERAL HORIZONTAL PRODUCER)</b> Charge (66- 17024- #: 2075) Wellbores: (0) BRRI_2075_0	Rig <b>ADM- 684</b>	Foreman(s) <b>ALSAFI, YOUSEF MOHAMMAD/ MAHGOUB, MOHAMED REFAAT/ MUHIF, REDHA HASAN/ GREIG, KENNETH DAVID</b>
		Engineer Superintendent <b>THURAYA</b>	RIG FORMAN VSAT <b>00882167714158</b> CONTRACTOR/CLERK VSAT <b>013-8759041 013-8739290 (CLERK)</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>8855</b>	<b>RIH 8-1/2" CLEAN OUT BHA WHILE PICKING UP DP, DRILLED DV. RIH &amp; DRILLED OUT CEMENT.</b>	<b>DRILL OUT CEMENT &amp; SHOE TRACK, P/T CSG. DRILL 10 FT NEW FORMATION. DISPLACE TO BARITE FREE OBM, POOH &amp; L/D CLEAN OUT BHA. RIH CORETRAX SCRAPER/MILLING ASSY.</b>	<b>PF BRRI-70/75</b>	<b>35.9</b> (01/22/2023@0800)	<b>HITH 8596 6922' TVD</b>
Prev. Depth <b>8855</b>	Liner Size	TOL MD TVD	Last Csg Size MD TVD	Footage <b>9 5/8 88536969 0</b>	Circ % <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
04.0	0500 - 0900	0	12 1/4	N	DRLG	TI	SPDP	RIG	8855	8855	1830	3322	RIH 8-1/2" CLEAN OUT ASSY WHILE PICKING UP DRIFTED 5-1/2" DP.
01.2	0900 - 1015	0	12 1/4	N	DRLG	RW	BIT	RIG	8855	8855	3322	3544	WASHED DOWN & TAGGED TOC AT 3544'.
02.2	1015 - 1230	0	12 1/4	N	DRLG	DC	TDS	RIG	8855	8855	3544	3639	DRILL OUT CEMENT.
02.8	1230 - 1515	0	12 1/4	N	DRLG	DFS	TDS	RIG	8855	8855	3639	3643	DRILLED OUT DV. REAMED DV AREA SEVERAL TIMES UNTIL SMOOTH.
00.8	1515 - 1600	0	12 1/4	N	DRLG	PJSM	NA	ARM	8855	8855			HELD SAFETY STAND DOWN MEETING, DISCUSSED SWA, LIFTING GEAR EQUIPMENT, BODY POSITION, LIFTING PIPE FROM CANTILIVER TO RIG FLOOR. PROPER HANDLING. RISKS OF PICKING UP TUBLULAR.
00.5	1600 - 1630	0	12 1/4	N	DRLG	RR	TDS	RIG	8855	8855			SERVICED TDS, PERFORMED DROPS SURVEY ON TDS AND DERRICK.
09.5	1630 - 0200	0	12 1/4	N	DRLG	TI	SPDP	RIG	8855	8855	3322	6760	RIH 8-1/2" CLEAN OUT ASSY WHILE PICKING UP DRIFTED 5-1/2" DP.
00.5	0200 - 0230	0	12 1/4	N	DRLG	PJSM	NA	RIG	8855	8855			HELD SAFETY STAND DOWN MEETING, DISCUSSED SWA, LIFTING GEAR EQUIPMENT, BODY POSITION, LIFTING PIPE FROM CANTILIVER TO RIG FLOOR. PROPER HANDLING. RISKS OF PICKING UP TUBLULAR.
01.0	0230 - 0330	0	12 1/4	N	DRLG	TI	STDP	RIG	8855	8855	6760	8000	RIH 8-1/2" CLEAN OUT ASSY ON 5-1/2" DP.
01.5	0330 - 0500	0	12 1/4	N	DRLG	RW	BIT	RIG	8855	8855	8000	8260	WASHED DOWN...ONGOING AT REPORT TIME.

BRRI-2075 WILL BE DRILLED AND COMPLETED AS DUAL LATERAL HORIZONTAL PRODUCER WITH +/- 10228 FT OF RESERVOIR CONTACT ACROSS ARAB-A RESERVOIR. THE TOTAL ESTIMATED FOOTAGE OF THE WELL IS 24,918 FT. THE WELL WILL BE COMPLETED WITH ESP-SMART COMPLETION

\* COORDINATES: LAT: 27°14.14' N & LONG: 049°41.46' E., HEADING 165 DEG.

\* NO ANCHORING IS ALLOWED ANY WHERE NEAR THE RIG, ONLY DP SUPPLY VESSELS.

#### SAFETY:

\* DRILLS: 2 X PIT DRILLS, 2 X TRIP DRILLS.

\* CONDUCTED WEEKLY H2S, FIRE & ABANDONSHIP DRILL.

\* RECEIVED 1 X 6.5" HM JAR (SN: DJ6-650-349) FROM COUGAR CO ON BOARD FROM 15-FEB-23

\* RECEIVED 1 X 6.5" PBL (SN: DVSA-0046) FROM CORETRAX CO ON BOARD FROM 21-FEB-23

\* FOLLOW PLAN: BRRI-2075 L0 PLAN-21.1 DATED 30-JAN-23,

\* WELL PATH AT CP: 0.9 FT ABOVE & 16 FT LEFT OF THE PLAN

#### PERSONNEL ON LOCATION:

- ARAMCO MATERIAL EXPEDITOR, SALMAN ALDHAFEERI #8496433 ARRIVED ON THE RIG SINCE 02/14/2023

#### CONTRACTOR MANAGEMENT VISITS:

-RIG MANAGER ALI SINDBAD DEP. RIG 14.FEB.2023.

#### S&S MANAGEMENT:

- SKIPS ON RIG = 1 FULL & 29 EMPTY.

- SKIPS ON BOAT: = 50 EMPTY / 0 FULL.

- SKIPS BACKLOADED IN LAST 24 HRS: 1

- SKIPS USED FOR BRRI-2075 TO DATE: 160
- SHIP THIS WELL = 808.4 TONS

\* NEXT WELL - BRRI-2177 ON SAME LOCATION.

\* RIG MOVE TO NEXT LOCATION BRRI-2001 ON +/- 25-JULY-23

\* SITE SPECIFIC SURVEY: CRM# 8000642123 SUBMITTED ON 01/22/2023

\* RIG MOVE REQUEST: RM-2023-4008482 SUBMITTED ON 2/19/2023.

\* RIG MOVE MEETING: NOT HELD YET.

\* BOREHOLE DATA: NOT SUBMITTED.

\* RIG MOVE POSITIONING: NOT SUBMITTED.

#### Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD		N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec		DLS				
MUD DATA	Weight <b>76</b>	PCF	Funnel Vis. <b>62</b>	SEC	Filtrate(WL) <b>2</b>	HTHP	Filtrate (WL) API	PV <b>15</b>	YP <b>25</b>	Electrical Stability <b>840</b>	Volts	3/6 RPM <b>11 / 13</b>	Gels Sec/Min <b>12 / 17</b>	PH <b>0</b>	CA PPM <b>32000</b>	CL PPM <b>243416</b>						
	FL Temp <b>0</b>		Cake HTHP <b>1</b>		Cake API <b>0</b>		Water Vol. % <b>20</b>	Oil Vol. % <b>67</b>	Solids Vol. % <b>13</b>	Sand Vol. % <b>0</b>	% LGS <b>2.87</b>	MBT <b>0</b>	Mud type <b>OBM</b>	Water Well #								
	Weight <b>76</b>	PCF	Funnel Vis. <b>62</b>	SEC	Filtrate(WL) <b>2</b>	HTHP	Filtrate (WL) API	PV <b>15</b>	YP <b>26</b>	Electrical Stability <b>820</b>	Volts	3/6 RPM <b>11 / 13</b>	Gels Sec/Min <b>12 / 17</b>	PH <b>0</b>	CA PPM <b>32000</b>	CL PPM <b>243416</b>						
	FL Temp <b>0</b>		Cake HTHP <b>1</b>		Cake API <b>0</b>		Water Vol. % <b>20</b>	Oil Vol. % <b>67</b>	Solids Vol. % <b>13</b>	Sand Vol. % <b>0</b>	% LGS <b>2.87</b>	MBT <b>0</b>	Mud type <b>OBM</b>	Water Well #								
MUD TREATMENT																						
BIT DATA	Bit Number <b>6</b>	IADC <b>137</b>	Size <b>8.5</b>	Manufacturer <b>REED</b>	Serial Number <b>T290659</b>	Type <b>S13</b>	Jets <b>/</b>	TFA	MD In <b>8855</b>	MD Out <b>8855</b>												
	Feet <b></b>	Hours <b></b>	WOB <b></b>	RPM <b></b>	I-Row <b></b>	O-Row <b></b>	DC <b></b>	Loc <b></b>	B <b></b>	G <b></b>	Pressure <b></b>	GPM <b></b>	Jet Vel <b></b>	DP Av <b>400</b>	DC Av <b>233.43</b>	Bit HHP <b>326.8</b>	<b>0</b>					
DRILL STRING	Float <b>Y</b>																					
	BHA Hrs:																					
	String Wt.	Pick Up	Slack Off		Rot. Torque				Jars: Serial #/Hrs			/		Shock Sub:		/ <b>0</b>	Mud Motor: / /					
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #						
	<b>1</b>	Bit			<b>REED</b>	<b>8.5</b>	<b>1</b>	<b>8.5</b>		<b>0.82</b>	<b>4-1/2"</b> <b>REG</b>					<b>T290659</b>						
	<b>2</b>	Near Bit Roller Reamer			<b>RIG</b>	<b>8.5</b>	<b>1</b>	<b>8.5</b>	<b>2.25</b>	<b>6.64</b>	<b>4-1/2" IF</b>	<b>4-1/2" REG</b>										
	<b>3</b>	Drillcollar			<b>RIG</b>	<b>6.5</b>	<b>9</b>	<b>6.5</b>	<b>2.812</b>	<b>278.7</b>	<b>4-1/2" IF</b>											
	<b>4</b>	Crossover			<b>RIG</b>	<b>6.8</b>	<b>1</b>	<b>6.8</b>	<b>2.812</b>	<b>2.64</b>	<b>XT-54</b>											
Miscellaneous	BOP Test <b>02/24/2023</b>		BOP Drills <b>TOURLY</b>		Wind <b>NE 18-20 KTS</b>			Sea <b>3-4 FT</b>		Weather <b>SEASONAL</b>			DSLTA		Safety Meeting <b>TOURLY</b>							
	Real-Time Data Quality				Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs			<b>11.49/24 hrs</b>						
Personnel and Services Information	COMPANY		<b>RIG</b>	<b>SDM</b>	<b>RIG</b>	<b>OES</b>	<b>ARM</b>	<b>BCM</b>	<b>BSC</b>	<b>BRD</b>	<b>ARM</b>	<b>CRW</b>	Total <b>84</b>									
	CATEGORY		<b>CTR G</b>	<b>DPDS</b>	<b>RIG</b>	<b>DFMS</b>	<b>OTHR</b>	<b>PCS</b>	<b>SCS</b>	<b>SCS</b>	<b>WSC</b>	<b>WBCS</b>										
	NO. OF PERSONS		<b>14</b>	<b>4</b>	<b>54</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>										
	OPERATING HRS.		<b>0</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>24</b>	<b>0</b>										
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>										
Trucks/Boats	Standby/Tankers <b>HADI-24</b>																					
BULK	Drill Wtr.-BBLS <b>2905</b>	Pot Wtr.- BBLS <b>1418</b>	Fuel- BBLS <b>1466</b>	Barite- SX <b>3239</b>	Bentonite - SX <b>1114</b>	Cement G- SX <b>3436</b>																
REPAIR ASAP	Instrumentation		Other Computer, Communication & V-Sat Issues															Reporter				

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>BRRI-85 (PERFORATE NEW 7 ZONES, PNL &amp; COMPLETE WITH PDHMS)</b> Charge #: <b>(72- 23024- 0085)</b> Wellbores: (0) BRRI_85_0	Rig <b>ARO- 2001</b>	Foreman(s) <b>DOUGLAS, KIRK ANTHONY/ SALLAM, AHMED IBRAHIM/ MUHAIDIB, OMAR SAUD/ GABIR, SULTAN MUSA/ ZAHRANI, ALI IBRAHIM</b>
Engineer		Superintendent	<b>THURAYA 8821677712601 6737394</b>
		RIG FORMAN VSAT	<b>CONTRACTOR/CLERK VSAT 6737401</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>8515</b>	<b>RIH W/ HALLIBURTON COMPLETION ASSEMBLIES: PDHMS, SSD, 7" MFR PKR COMPLETION STRING ON 3-1/2" TBG.</b>	<b>CONTINUE RIH W/ PDHMS, SSD, 7" MFR PKR COMPLETION STRING.</b>	<b>BRRI 84/86 PLATFORM</b>	<b>18.2</b> (02/08/2023@1900)	

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>8736</b>					<b>7</b>	<b>8580</b>		<b>-221</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations					
									Start	End	Start	End				
00.5	0500 - 0530	0		C	COMP	HT	TBG	RIG	8678	8678			<b>CONTINUE RIH WITH HALLIBURTON COMPLETION ASSEMBLIES AS FOLLOW:</b> <b>3-1/2" JT ENDED HALF MULE + ASSY#1 (3-1/2" 9.3# 'XN' NIPPLE 2.635" MIN ID NO-GO) + 1 X 3-1/2" JT + ASSY#3 (3.5" SINGLE ANNULUS PDHMS#1)</b>			
01.5	0530 - 0700	0		C	COMP	DTU	DRFT	EX1	8678	8678			<b>R/U SLICKLINE, SLICKLINE RIH W/ 2.867 DRIFT TO 45' POH SLICKLINE RIH W/ 2.795 DRIFT TO 90' POH R/D SLICKLINE.</b>			
03.5	0700 - 1030	0		C	COMP	HT	PDHMS	HCO	8678	8678			<b>TERMINATE CABLE ON PDHMS GUAGE # 1. - CONNECT AND PRESSURE TEST PDHMS CABLE TERMINATION AND CONFIRM READINGS.</b>			
00.8	1030 - 1115	0		C	COMP	HT	TBG	RIG	8678	8678			<b>P/U &amp; M/U ASSY#4 3-1/2" PUP JT + 3-1/2" SINGLE ANNULUS PDHMS # 2 + 3-1/2" PUP JT + XO + HALLIBURTON MFR 7" PKR # 1 + XO + 3-1/2" PUP JT + 3-1/2" TBG.</b>			
03.0	1115 - 1415	0		C	COMP	HT	PDHMS	HCO	8678	8678			<b>TERMINATE CABLE ON PDHMS GUAGE # 2 - CONNECT AND PRESSURE TEST PDHMS CABLE TERMINATION AND CONFIRM READINGS.</b>			
01.0	1415 - 1515	0		C	COMP	DTU	DRFT	EX1	8678	8678			<b>R/U SLICKLINE, SLICKLINE RIH W/ 2.867 DRIFT TO 45' POH R/D SLICKLINE.</b>			
02.5	1515 - 1745	0		C	COMP	HT	PKR	HCO	8678	8678			<b>FEED PDHMS CABLE THROUGH HALLIBURTON 7" MFR PACKER # 1. -PRESSURE TEST TEC CABLE SPLICE AND CONFIRM READINGS</b>			
00.5	1745 - 1815	0		C	COMP	HT	TBG	RIG	8678	8678			<b>M/U 3 JTS 3-1/2" TBG WHILE SECURING CABLE TO TBG.</b>			
01.0	1815 - 1915	0		C	COMP	DTU	DRFT	EX1	8678	8678			<b>R/U SLICKLINE, SLICKLINE RIH W/ 2.867 DRIFT TO 120' POH R/D SLICKLINE.</b>			
00.8	1915 - 2000	0		C	COMP	HT	PDHMS	HCO	8678	8678			<b>P/U &amp; M/U ASSY #5 3-1/2" PUP JT + XO + 3-1/2" SSD #1 + XO + 3-1/2" PUP JT + 3-1/2" SINGLE ANNULUS PDHMS # 3 + 3-1/2" PUP JT + 3-1/2" TBG.</b>			
00.8	2000 - 2045	0		C	COMP	DTU	DRFT	EX1	8678	8678			<b>R/U SLICKLINE, SLICKLINE RIH W/ 2.867" DRIFT TO 15' POH R/D SLICKLINE.</b>			
03.0	2045 - 2345	0		C	COMP	HT	PDHMS	HCO	8678	8678			<b>TERMINATE CABLE ON PDHMS GUAGE # 3 - CONNECT AND PRESSURE TEST PDHMS CABLE TERMINATION AND CONFIRM READINGS.</b>			
00.5	2345 - 0015	0		C	COMP	HT	TBG	RIG	8678	8678			<b>M/U 4 JTS 3-1/2" TBG WHILE SECURING CABLE TO TBG.</b>			
00.8	0015 - 0100	0		C	COMP	DTU	DRFT	EX1	8678	8678			<b>R/U SLICKLINE, SLICKLINE RIH W/ 2.867 DRIFT TO 150' POH R/D SLICKLINE.</b>			
00.8	0100 - 0145	0		C	COMP	HT	PKR	HCO	8678	8678			<b>P/U &amp; M/U ASSY #6 3-1/2" PUP JT + 3-1/2" SINGLE ANNULUS PDHMS # 4 + 3-1/2" PUP JT + XO + HALLIBURTON MFR 7" PKR # 2 + XO</b>			

02.5	0145 - 0415	0	C	COMP	HT	PDHMS	HCO	8678	8678		+ 3-1/2" PUP JT + 3-1/2" TBG. TERMINATE CABLE ON PDHMS GUAGE # 4 - CONNECT AND PRESSURE TEST PDHMS CABLE TERMINATION AND CONFIRM READINGS.
00.8	0415 - 0500	0	C	COMP	DTU	DRFT	EX1	8678	8678		R/U SLICKLINE, SLICKLINE RIH W/ 2.867" DRIFT TO 15' POH R/D SLICKLINE.

ODF-THS = 37'

RKB - THS = 54.20'

ODF CORRECTION = -17.2'

#### =====ARAMCO PERSONNEL=====

ARAMCO MATERIAL EXPEDITER NASSER ALKHALDI ID# 8337564 ONBOARD SINCE 21 FEB 2023

#### =====OBB, NEAR MISS, HSE ALERTS AND DRILLS=====

\*\* OBSERVATION SUBMITTED IN SLS = 24

#### HSE ALERTS:

#### =====JARS=====

4-3/4" NOV HYDRO-MECHANICAL JAR S/N# 380-47504 ONBOARD 10TH FEB 2023

#### ===== NEXT PLATFORM =====

\* CURRENTLY ON PLTF BRRI-84/86

-BRRI-85 FOR DE-COMPLETION AND RUNNING UPPER COMPLETION THAT CONSISTS OF 6 PACKERS, 14 PDHMSS AND 8 SSD

#### NEXT LOCATION: BRRI - 64/69

- 4 WELLS TO WORKOVER - BRRI-64, BRRI-65; BRRI-67; BRRI-68

- RIG MOVE MEETING REQUEST# RM-2023-4008409 REQUESTED ON 6TH FEB

-RIG MOVE MEETING PROPOSED 16TH FEB -RIG MOVE MEETING CANCELLED BY RIG MOVE OFFICE

- SEABED SURVEY REQUEST# 8800019372 CREATED ON 6TH FEB

- PLATFORM DE-PRESSURIZATION - 23252 CREATED ON 6TH FEB

\*\*\* PERFORMED SITE VISIT TO PLATFORM BRRI-64/69 AND TOOK MEASUREMENT 11 FEB 2023

\*\*\* VISITED PLATFORM BRRI-216/217 AND TOOK MEASUREMENTS 11 FEB 2023

#### NEXT LOCATION: MRJN 430/439

- SEABED SURVEY REQUEST# 8800019460 CREATED ON 17TH FEB, 2023

#### NEXT LOCATION.

#### RIG MAINTAINENCE

-SEABED SURVEY FOR MNIF ANCHORAGE REQUEST# 880019413 CREATED ON 10TH FEB.

-RIG MOVE MEETING REQUEST RM-2023-4008455 CREATED ON 15TH FEB.

#### =====DIESEL CONSUMPTION=====

\*\* DAILY DIESEL CONSUMPTION FOR ENGINES (RIG): 36 BBLS, CUMULATIVE CONSUMPTION FOR CURRENT WELL BRRI-85= 815 BBLS

\*\* DIESEL CONSUMPTION FOR COMPLETION = 0 BBLS.

#### Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	API	PV	YP	Electrical Stability	3/6 RPM	Gels	PH	CA PPM	CL PPM
	77 PCF	73 SEC	HTHP					Volts	/	Sec/Min	9		194000
	FL Temp	Cake		Water Vol. %	Oil Vol.	Solids Vol. %		% LGS		Mud type		Water Well	

MUD DATA	<b>105</b>	HTHP	Cake API	<b>93</b>	%	<b>7</b>	Sand Vol. %	<b>0</b>	MBT	<b>CACL</b>	#	
	Weight <b>77</b> PCF	Funnel Vis. <b>74</b> SEC	Filtrate(WL) HTHP	Filtrate (WL) API	PV	YP	Electrical Stability Volts	3/6 RPM <b>/</b>	Gels Sec/Min <b>/</b>	PH <b>9</b>	CA PPM <b>193000</b>	
	FL Temp <b>105</b>	Cake HTHP	Cake API	Water Vol. % <b>93</b>	Oil Vol. % <b>7</b>	Solids Vol. % <b>7</b>	Sand Vol. %	% LGS <b>0</b>	MBT	Mud type <b>CACL</b>	Water Well #	
MUD TREATMENT												
BIT DATA												
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	
Miscellaneous	BOP Test <b>02/10/2023</b>	BOP Drills <b>TOURLY</b>	Wind <b>13-17 KTS ENE</b>	Sea <b>1-2 FT</b>	Weather <b>16 DEG 4-5 NM VIS</b>	DSLTA <b>3595</b>	Safety Meeting					
	Real-Time Data Quality						No Transmission					
Personnel and Services Information	COMPANY		<b>GOS</b>	<b>HCO</b>	<b>RIG</b>	<b>OES</b>	<b>BAW</b>	<b>ARM</b>	<b>EX1</b>	<b>HCO</b>	<b>FMC</b>	<b>ARM</b>
	CATEGORY		<b>CTRG</b>	<b>ICE</b>	<b>RIG</b>	<b>DFMS</b>	<b>LPS</b>	<b>OTHR</b>	<b>SLS</b>	<b>SSSV</b>	<b>PRS</b>	<b>WSC</b>
	NO. OF PERSONS		<b>12</b>	<b>6</b>	<b>50</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>2</b>
	OPERATING HRS.		<b>0</b>	<b>24</b>	<b>24</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>6</b>	<b>0</b>	<b>24</b>	<b>24</b>
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>
Trucks/Boats	Standby/Tankers <b>RAWABI-208</b>											
BULK	Drill Wtr.-BBLS <b>2560</b>	Pot Wtr.- BBLS <b>786</b>	Fuel- BBLS <b>1641</b>	Barite- SX <b>1069</b>	Bentonite - SX <b>0</b>	Cement G- SX <b>1111</b>						
REPAIR ASAP	Instrumentation Computer, Communication & V-Sat Issues				Other							Reporter
	<b>PRINTER BP425846 REQUIRES A WARRANTY UPDATE. TT#INC000044392936</b>											

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Date	MONDAY 02/27/2023	Well No (Type) : <b>SFNY-476 (ESP CHANGE OUT)</b> Charge (64- 22013-#: <b>0476</b> ) Wellbores: (0) SFNY_476_0	Rig <b>ARO-2003</b>	Foreman(s) <b>BAUDRY, ALEXANDRE ANDRE RENE/ WEDN, NOUR MOHAMED/ ALMULHIM, ABDULLAH SAAD/ ZAHRANI, ALI IBRAHIM</b>
			THURAYA <b>00-88-216-777-111-01</b>	RIG FORMAN VSAT <b>6737407</b> OTHER VSAT <b>8805950 8805957</b> FAX VSAT <b>6737408</b> CONTRACTOR/CLERK VSAT

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>9520</b>	<b>CIRCULATE HOLE CLEAN. POH &amp; LD OLD COMPLETION. RIH SCRAPER CLEAN OUT ASSY. CHC. POH. WIREFLINE LOG.</b>	<b>RIH SCRAPER CLEAN OUT ASSY. CHC. POH. WIREFLINE LOG.</b>	<b>PLATFORM SFNY 16 476/478</b>	<b>3.2</b> (02/24/2023@0100)	
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %
<b>9393</b>	<b>4 1/2</b>	<b>6591</b>	<b>9396</b>	<b>5372</b>	<b>9 5/8</b> <b>64805723</b> <b>127</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
02.5	0500 - 0730	0		N	DCOM	CIRC	MPMP	RIG	0	0			<b>CONTINUE TO CIRCULATE HOLE WITH CLEAN BRINE, 75 PCF IN-OUT. FLOW CHECK 30 MINUTES. WELL STATIC</b>			
01.0	0730 - 0830	0		N	DCOM	HT	TBG	RIG	0	0			<b>RU SAWAFI BORETS DECOMPLETION EQUIPMENT. TUBING RUNNING EQUIPMENT. HANG SHEAVE IN DERRICK.</b>			
01.0	0830 - 0930	0		N	DCOM	HT	TBG	RIG	0	0			<b>LAY DOWN PUMPING ASSEMBLY AND LANDING JOINTS.</b>			
02.0	0930 - 1130	0		N	DCOM	HT	TBG	RIG	0	0			<b>HPJSM, POH TBG HGR TO RIG FLOOR, CUT TRSSSV C/L &amp; ESP MAIN POWER CABLE, MAKE READY TO SPOOL IT OUT, LD TBG HGR. LD 4 JTS AND PUPS 4-1/2" 11.6# J-55 N.VAM TBG, B/O &amp; L/D TRSSSV. - MONITORING WELL ON TRIP TANK. GOOD DISPLACEMENT.</b>			
08.5	1130 - 2000	0		N	DCOM	RPCS	SPCOM	RIG	0	0	0	0	<b>POH W SAWAFI BORETS 9 5/8" ESP PKR &amp; ESP ASSY. ON 4-1/2" 11.6#J-55 NEW VAM TBG, LD TBG 112 JTS. POOH FROM 4773 FT TO 210 FT. - MONITORING WELL ON TRIP TANK. GOOD DISPLACEMENT.</b>			
06.0	2000 - 0200	0		N	DCOM	OTH	NA	BRT	0	0			<b>HPJSM, LD 9-5/8" WFD HYDROW II PKR, HALL XN NIPPLE, BORETS ESP ASSY &amp; SLB MFIV SEAL ASSY. - FOUND TBG IN GOOD CONDITION, PKR SEALS GOOD, ALL PKR SLIPS IN PLACE. - ESP CABLE READINGS ABOVE PKR: PH/PH- 1.1/1.1/0.6 OHMS, PH/GR- 0 MOHM. - ESP CABLE READINGS BELOW PKR: PH/PH- 07/0.7/0.2 OHMS, PH/GR- 0 MOHM. - MOTOR: GROUNDED, PUMP STUCK &amp; SEALS FULL OF WATER AND COLORED OIL. - MONITORING WELL ON TRIP TANK, WELL STATIC.</b>			
01.5	0200 - 0330	0		N	DCOM	OTH	NA	BRT	0	0			<b>HPJSM, RD BORETS DECOMPLETION EQUIPMENT. - RD ALGHAIH TBG POWER TONG &amp; RELATED EQUIPMENT.</b>			
00.5	0330 - 0400	0		N	DCOM	RR	TDS	RIG	0	0			<b>SERVICE TOP DRIVE SYSTEM.</b>			
01.0	0400 - 0500	0		N	CT	HT	BHA	RIG	0	0			<b>HPJSM, P/U &amp; M/U CLEAN-OUT ASSY AS FOLLOWING: (8-1/2" FBM, F/S, XO, 1 JT X HWDP, XO, 3 EA X 8-1/2" STRING MAGNET, 8-1/2" STRG MILL, 9-5/8" ROT. SCRAPER, X/O, 3 STD X 4" HWDP, X/O, 4-3/4" DRLG JAR, 9 STD X 4" HWDP.....INC@RPT. - MONITORING WELL ON TRIP TANK, WELL STATIC.</b>			

#### SFNY- 476/478 PLATFORM - WELL SFNY 476

\* ANCHORING RESTRICTED WITHIN 100MTS OF SUBSEA ASSETS AT THIS LOCATION.

\* FOR SAFE SURVEYED AREA AT THIS LOCATION 100FT OFF SFNY-16 PF.

\* HEADING 350 DEG , LAT: 28DEG 10.03'N , LONG: 048DEG 48.49'E , WATER DEPTH 35.6 FT (10.58 MTR)

\* ODF TO TUBING SPOOL DIST =45'

\* RIG FLOOR TO TBG SPL DIST = 55.34', CORRECTION = -9.64'

\* RELIEF WELLS:

-SFNY-344, -SFNY-476 RW (NEW PROPOSED SURFACE LOCATION).

HSE SAFETY ALERTS:

> ARAMCO CLERK SHAJAHAN SIDDIQ MOHAMMED ID#: 8556028 ON BOARD SINCE AUG 16, 2022.

> ABDELGHANI HACINI BADGE# 8522147 NAWOD HSE ADVISOR ON BOARD ON FEB.20TY 2023 FOR WCEI.

PRESENT PLATFORM SFNY 16 - WELL SFNY 476 RIG MOVED TO 100MTR OFF PF WAITING ON NATURE SINCE FEB.15 2023.

PULL ESP - CORROSION LOG-RUN NEW ESP- FUNCTION TEST ZERO FLARING SURFACE PACKAGE.

NEXT PLATFORM SFNY 16 476/478 2 WELLS (SFNY-476, SFNY-478) - WELL SFNY 476 W.O.W FOR FINAL APPROACHING.

SBS RECEIVED #8000642529 21-JAN-2023.

DEBRIS REMOVAL REQUESTED 22-JAN-2023 DIVING REQUEST DP-2023-13019

LPA & MOVE APPROVAL FOR THE PLATFORM APPROVED, SENT MOVE OFFICE.

DEPRESSURIZATION REQUEST 22951 - 09-DEC-2022

=====

NEXT PLATFORM: SFNY-1000/1009 SFNY-1001, 1006, 1008,, WELL SFNY-1008 ESP CHANGE OUT,

DEPRESSURIZATION REQUEST 23211 - 31-JAN-23.

SBS...FIELD REPORT RECEIVED 8 FEB 2023 BUT HSU TO RE-CONDUCT THE SURVEY ONCE AGAIN DUE TO BAD WEATHER DURING THE FIRST SURVEY.

BORE HOLE DATA SENT ARO 31-JAN-2023 FOR LPA/APPROVAL.

RECEIVED LPA FROM ARO 8 FEB 2023 - RECEIVED LOCATION APPROVAL 9 FEB 2023.

=====

\*\* ARO SUBMITTED 23 OBSERVATIONS IN SLS.

\*\* DIESEL CONSUMPTION FOR ENGINES (RIG) = (DAILY: 25 BBL / CUMULATIVE FOR CURRENT WELL: 379BBL).

\*\* DIESEL CONSUMPTION FOR COMPLETION = 0 BBLs.

Remarks

Lateral	Survey MD		Angle	Azimuth	CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS													
<b>MUD DATA</b>																											
<b>MUD TREATMENT</b>																											
<b>BIT DATA</b>																											
<b>DRILL STRING</b>																											
<table border="1"> <thead> <tr> <th>Order</th><th>Component</th><th>Provider</th><th>Nominal Size</th><th># Joints</th><th>OD Size</th><th>ID Size</th><th>Length</th><th>Top Thread</th><th>Bottom Thread</th><th>Weight</th><th>Grade</th><th>Class</th><th>Serial #</th></tr> </thead> </table>														Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #														
<b>Miscellaneous</b>	BOP Test	BOP Drills	Wind <b>08-12 KTS NE</b>			Sea <b>1-2 FT</b>		Weather <b>20 DEG. VIS 5-6 NM</b>			DSLTA	Safety Meeting <b>PJSM/ PTSM</b>															
	Real-Time Data Quality												No Transmission														
<b>Personnel and Services Information</b>	<b>COMPANY</b>		<b>SBA</b>	<b>GOS</b>	<b>HCO</b>	<b>RIG</b>	<b>GDF</b>	<b>ARN</b>	<b>EX1</b>	<b>INW</b>	<b>GOC</b>	<b>ARM</b>	<b>SWL</b>	<b>Total 76</b>													
	<b>CATEGORY</b>		<b>ALS</b>	<b>CTRG</b>	<b>PSSC</b>	<b>RIG</b>	<b>DFMS</b>	<b>OTHR</b>	<b>SLS</b>	<b>SLS</b>	<b>PRS</b>	<b>WSC</b>	<b>WLS</b>														
	<b>NO. OF PERSONS</b>		<b>5</b>	<b>10</b>	<b>0</b>	<b>47</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>4</b>														
	<b>OPERATING HRS.</b>		<b>21</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>12</b>	<b>0</b>														
	<b>ON LOCATION HRS.</b>		<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>														
<b>Trucks/Boats</b>	Standby/Tankers																										
	<b>RAWABI 5</b>																										
<b>BULK</b>	Drill Wtr.-BBLS <b>768</b>	Pot Wtr.- BBLS <b>101</b>	Fuel- BBLS <b>660</b>		Barite- SX	Bentonite - SX	Cement G- SX																				
<b>REPAIR ASAP</b>	Instrumentation		Other Computer, Communication & V-Sat Issues												Reporter												

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D&WO Morning Report (Service Providers View)  
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 Daily OffShore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY</b> <b>02/27/2023</b>	Well No (Type) : <b>MRJN-3007</b> <b>(A DUAL LATERAL HORIZONTAL GAS INJECTOR ACROSS RTWI RESERVOIR)</b>	Rig <b>ARO-3001</b>	Foreman(s) <b>RAJHI, MOHAMMAD ALI/ GHAMDI, NAWAF AHMED/ HAJRI, FALEH SAHMI/ HARBI, SALEH MOHAMMAD</b>
Charge #: <b>(66- 22073- 3007)</b>	Wellbores: (0) MRJN_3007_0	THURAYA <b>8821623700034</b> <b>378-5671</b>	RIG FORMAN VSAT <b>558268757</b>
		MOBILE <b>3785672</b>	CONTRACTOR/CLERK VSAT <b>3785673</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>5562</b>	<b>CONT CO 13 3/8" CSG, DISPL TO LD DP DUE FOR INSPECTION, RUN OBM, POOH, L/D DP.</b>	<b>L/D DP DUE FOR INSPECTION, RUN WITH 12" RSS ASSY, DRILL</b>	<b>MRJN-3001/3010 PLATFORM</b>	<b>16.1</b> (02/25/2023@1530)	
<b>Prev. Depth</b> <b>5562</b>	<b>Liner Size</b>	<b>TOL</b>	<b>MD</b>	<b>TVD</b>	<b>Last Csg Size</b> <b>MD</b> <b>TVD</b> <b>Footage</b> <b>Circ %</b>
					<b>13 3/8</b> <b>5554</b> <b>0</b> <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
00.5	0500 - 0530	0	16	N	DRLG	DFS	TDS	RIG	5562	5562	2345	2356	CONT DRILL OUT DV AND REAM ACROSS AREA TILL SMOOTH.
00.8	0530 - 0615	0	16	N	DRLG	CIRC	MPMP	RIG	5562	5562			SWEEP HOLE & CHC.
00.5	0615 - 0645	0	16	N	DRLG	CIRC	MPMP	RIG	5562	5562			PRESSURE TEST CASING TO 1000 PSI, OK.
01.2	0645 - 0800	0	16	N	DRLG	TI	STDP	RIG	5562	5562	2356	5235	RIH 12" CO ASSY ON 5-1/2" DP. TAGED TOC @ 5235'.
10.0	0800 - 1800	0	16	N	DRLG	DC	TDS	RIG	5562	5562	5235	5513	DRILL OUT CEMENT, LANDING COLLOR & FLOAT COLLAR. CONT DRILLOUT CEMENT TO 5513'.
01.5	1800 - 1930	0	16	N	DRLG	CIRC	MPMP	RIG	5562	5562			PUMP SWEEP & CHC.
00.5	1930 - 2000	0	16	N	DRLG	CIRC	MPMP	RIG	5562	5562			PT CSG TO 1000 PSI, GOOD TEST.
01.8	2000 - 2145	0	16	N	DRLG	CIRC	MPMP	RIG	5562	5562			DISPLACE WELL TO 92 PCF HALLIBURTON INNOVERT OBM.
03.5	2145 - 0115	0	16	N	DRLG	CIRC	MPMP	RIG	5562	5562			CLEAN SAND TRAPS AND SURFACE LINES, CONDITION MUD, FLOW CHECK, WELL STATIC.
00.5	0115 - 0145	0	16	N	DRLG	CIRC	MPMP	RIG	5562	5562			FLOW CHECK- STATIC.
02.2	0145 - 0400	0	16	N	DRLG	TO	STDP	RIG	5562	5562	5513	657	POOH ON 5-1/2" STD DP TO BHA.
00.5	0400 - 0430	0	16	N	DRLG	CIRC	MPMP	RIG	5562	5562			FLOW CHECK ABOVE BHA- STATIC.
00.5	0430 - 0500	0	16	N	DRLG	TI	STDP	RIG	5562	5562	657	2300	RIH WITH CO ASSY TO L/D DP DUE FOR INSPECTION. ON GOING.

THE WELL WILL BE DRILLED AS A DUAL LATERAL HORIZONTAL GAS INJECTOR ACROSS RTWI RESERVOIR. THIS WELL WILL BE COMPLETED AS AN OPEN HOLE COMPLETION WITH PRODUCTION PACKER AND 7" TUBING.

#### ===== DRILLS =====

PIT AND TRIP DRILLS:

ACCUMULATOR DRILL:

ABANDON SHIP DRILL:

H2S RELEASE EMERGENCY DRILL: 1/8/2023

FIRE DRILL: 12/18/2022

RESCUE BOAT/LIFEBOAT DRILL: 11/24/2022

H2S RESCUE DRILL:

MAN DOWN (INJURY DRILL):

CONFINED SPACE DRILL:

OIL SPILL EQUIPMENT CLEANUP DRILL:

SEARCH & RESCUE DRILL:

VERTICAL RESCUE DRILL.: 10/18/2021

\*DISCUSS ALERTS WITH ALL CREWS: HSE ALERT 19-23, OPERATIONAL ALERT 05-23 AND EXT ALERT 01-23

#### ===== 12" BATCH DRILLING SEQUENCES =====

\*MRJN-3003... SUSPENDED ON 9-5/8" CSG

\*MRJN-3009... SUSPENDED ON 9-5/8" CSG

\*MRJN-3004... SUSPENDED ON 9-5/8" CSG

\*MRJN-3001... SUSPENDED ON 9-5/8" CSG

\*MRJN-3007... CURRENT WELL

\*MRJN-3002... SUSPENDED ON 13-3/8" CSG

#### ===== HOLE SECTION =====

BASED ON UPDATED PLAN MRJN\_3007\_0\_REV-F.0 (PWP)

\* 12" PLANNED DEPTH AT 9086 FT MD / 7716 FT TVD INTO YAMAMA FORMATION.

#### ===== CURRENT LOCATION=====

LOCATION: MRJN-3001/3010 PF

LATITUDE: 28 DEG 25.33 N

LONGITUDE: 049 DEG 39.72 E

HEADING = 331 DEG

WATER DEPTH = 158 FT

RKB TO WL = 105 FT

RKB TO PLATFORM = 62 FT

AIR GAP = 45 FT

FINAL LEG PENETRATION: STBD 13 FT./ BOW 13 FT./ PORT 13.5 FT.

NEAREST GOSP: 4.6 MILES

#### ===== PERSONNEL =====

=====WAIT ON =====

WAIT ON WEATHER: DAILY 0 HRS / TOTAL 47 HRS.

=====RENTAL TOOLS =====

- SLB 6-1/2" JARS. S/N: DM-181, (DM-167 BACKLOADED)

- SAMA 8-1/2" PBL SUBS. S/N: SBM825BP320, WES825P049BC,(WES825BP706MB BACKLOADED)

=====LC-50=====

\* LC-50 SAMPLE:

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec		DLS
MUD DATA	Weight <b>92</b>	PCF <b>56</b>	Funnel Vis. <b>SEC</b>	Filtrate(WL) <b>1.8</b>	Filtrate (WL) API	PV <b>24</b>	YP <b>25</b>	Electrical Stability <b>0</b>	Volts	3/6 RPM <b>9 / 10</b>	Gels Sec/Min <b>10 / 13</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>252822</b>		
	FL Temp <b>0</b>		Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>20</b>	Oil Vol. % <b>58.5</b>	Solids Vol. % <b>21.5</b>	Sand Vol. % <b>0</b>	% LGS <b>4.5</b>	MBT <b>0</b>	Mud type <b>INOVRT</b>		Water Well #			
	Weight <b>92</b>	PCF <b>58</b>	Funnel Vis. <b>SEC</b>	Filtrate(WL) <b>1.8</b>	Filtrate (WL) API	PV <b>24</b>	YP <b>23</b>	Electrical Stability <b>0</b>	Volts	3/6 RPM <b>9 / 10</b>	Gels Sec/Min <b>10 / 13</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>250360.81</b>		
	FL Temp <b>0</b>		Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>20.5</b>	Oil Vol. % <b>58.5</b>	Solids Vol. % <b>21</b>	Sand Vol. % <b>0</b>	% LGS <b>3.6</b>	MBT <b>0</b>	Mud type <b>INOVRT</b>		Water Well #			
	Weight <b>92</b>	PCF <b>57</b>	Funnel Vis. <b>SEC</b>	Filtrate(WL) <b>1.8</b>	Filtrate (WL) API	PV <b>23</b>	YP <b>25</b>	Electrical Stability <b>0</b>	Volts	3/6 RPM <b>8 / 10</b>	Gels Sec/Min <b>10 / 13</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>250360.81</b>		
	FL Temp <b>0</b>		Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>20.5</b>	Oil Vol. % <b>58.5</b>	Solids Vol. % <b>21</b>	Sand Vol. % <b>0</b>	% LGS <b>3.5</b>	MBT <b>0</b>	Mud type <b>INOVRT</b>		Water Well #			
MUD TREATMENT	<b>BARITE</b> <b>1372</b> (100LB)	<b>ADAPTA</b> <b>12</b> (50LB)	<b>BDF 489</b> <b>15</b> (50LB)	<b>FACTANT</b> <b>1</b> (55GL)	<b>LESUPERMUL</b> <b>4</b> (55GL)	<b>CAOH2</b> <b>15</b> (55LB)	<b>RHEMODL</b> <b>1</b> (55GL)	<b>LOWTOX-OIL</b> <b>150</b> (BBL)	<b>NACL</b> <b>12</b> (2200L)	<b>DUOVIS-NS</b> <b>65</b> (55LB)						
BIT DATA																
DRILL STRING	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	<b>1</b>	<b>Bit</b>			<b>SMT</b>	<b>12</b>		<b>12</b>	<b>3.5</b>	<b>1.05</b>	<b>6-5/8" REG</b>				<b>RV0583</b>	
	<b>2</b>	<b>Near Bit Roller Reamer</b>			<b>RIG</b>	<b>12</b>	<b>1</b>	<b>8.5</b>	<b>2.563</b>	<b>6.86</b>	<b>6-5/8" REG</b>	<b>6-5/8" REG</b>			<b>18-1158</b>	
	<b>3</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>8.5</b>	<b>6</b>	<b>8.5</b>	<b>3</b>	<b>60.62</b>	<b>6-5/8" REG</b>	<b>6-5/8" REG</b>	<b>143</b>			
	<b>4</b>	<b>Crossover</b>			<b>RIG</b>	<b>8.5</b>	<b>1</b>	<b>8.5</b>	<b>2.875</b>	<b>3.66</b>	<b>VX54</b>	<b>6-5/8" REG</b>			<b>560620</b>	
	<b>5</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>5.5</b>	<b>3</b>	<b>5.5</b>	<b>4</b>	<b>91.1</b>	<b>VX54</b>	<b>VX54</b>	<b>51.7</b>			
	<b>6</b>	<b>Crossover</b>			<b>ARM</b>	<b>6.625</b>	<b>1</b>	<b>6.625</b>	<b>3.25</b>	<b>2.02</b>	<b>4.5IF</b>	<b>VX54</b>			<b>130924579</b>	
	<b>7</b>	<b>Hydro-Mechanical Jar</b>			<b>SRT</b>	<b>6.5</b>	<b>1</b>	<b>6.5</b>	<b>2.937</b>	<b>30.03</b>	<b>4.5IF</b>	<b>4.5IF</b>			<b>DM-181</b>	
	<b>8</b>	<b>Crossover</b>			<b>ARM</b>	<b>2.813</b>	<b>1</b>	<b>6.5</b>	<b>2.813</b>	<b>2.27</b>	<b>VX54</b>	<b>4.5IF</b>			<b>130673827</b>	
	<b>9</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>5.5</b>	<b>11</b>	<b>5.5</b>	<b>3.625</b>	<b>333.6</b>	<b>VX54</b>	<b>VX54</b>	<b>51.7</b>			
	<b>10</b>	<b>Drillpipe</b>			<b>RIG</b>	<b>5.5</b>	<b>1</b>	<b>5.5</b>	<b>4.67</b>	<b>30</b>	<b>VX54</b>	<b>VX54</b>	<b>24.7</b>			
Miscellaneous	BOP Test		BOP Drills		Wind <b>13 KNOTS</b>		Sea <b>5 FEET</b>		Weather <b>CLEAR</b>		DSLTA		Safety Meeting <b>EACH TOUR</b>			
	Real-Time Data Quality				Sensors Quality			100%	Data Frequency		100%	Real-Time Hrs		11.49/24 hrs		
Personnel and Services Information	COMPANY		<b>BCR</b>	<b>A20</b>	<b>BHI</b>	<b>RIG</b>	<b>BDF</b>	<b>BAR</b>	<b>BHI</b>	<b>HCM</b>	<b>MI2</b>	<b>ARM</b>	<b>CAM</b>	<b>FME</b>		<b>Total 78</b>
	CATEGORY		<b>CSR</b>	<b>CTRG</b>	<b>DPDS</b>	<b>RIG</b>	<b>DFMS</b>	<b>DFMS</b>	<b>LWD</b>	<b>PCS</b>	<b>SCS</b>	<b>WSC</b>	<b>WHES</b>	<b>WHES</b>		
	NO. OF PERSONS		<b>2</b>	<b>11</b>	<b>2</b>	<b>51</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>		
	OPERATING HRS.		<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>0</b>		
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>		
Trucks/Boats	Standby/Tankers															
BULK	Drill Wtr.-BBLS <b>3099</b>	Pot Wtr.- BBLS <b>1296</b>	Fuel- BBLS <b>2131</b>	Barite- SX <b>6282</b>	Bentonite - SX	Cement G- SX <b>400</b>										
REPAIR ASAP	Instrumentation Computer, Communication & V-Sat Issues <b>MARINE LOGISTIC DASHBOARD VERY SLOW</b>															Reporter

D&WO Morning Report (Service Providers View)  
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 Daily OffShore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ZULF-2125 (DRILL SINGLE LATERAL WATER INJECTOR WELL TARGETING KHAFJI)</b>	Rig <b>ARO- 3002</b>	Foreman(s) <b>AKUNNA, PAUL JACKSON CHIEDOZIE/ BUSBAIT, FAHAD MOHAMMED/ SAMSUDIN, SYAHRIZAL BIN/ ALKAHTANI, TRKY HASAN/ HARBI, SALEH MOHAMMAD</b>
Engineer		Superintendent	<b>AKUNNA, PAUL JACKSON CHIEDOZIE/ BUSBAIT, FAHAD MOHAMMED/ SAMSUDIN, SYAHRIZAL BIN/ ALKAHTANI, TRKY HASAN/ HARBI, SALEH MOHAMMAD</b>
THURAYA <b>+8821677712433</b>	RIG FORMAN VSAT <b>378-8311</b>	OTHER VSAT <b>378-8315</b>	CONTRACTOR/CLERK VSAT <b>378-8312</b>

Charge (66- 23062-#:  
**2125**)  
 Wellbores: (0) ZULF\_2125\_0

Depth <b>0</b>	Last 24 hr operations <b>MOVE &amp; POSITION RIG ON ZULF-2120/2129 PF. PRE-LOAD LEGS.</b>	Next 24 hr plan <b>COMPLETE PRE-LOAD. RU FOR OPERATION. NU 30" DIVERTER. OFFLOAD SPUD BOATS.</b>	Location <b>ZULF-2120/2129 PF</b>	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops
Prev. Depth <b>0</b>	Liner Size	TOL	MD	TVD	Last Csg Size MDTVD Footage <b>0</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Start	End	Start	End	Summary of Operations
02.0	<b>0500 - 0700</b>	<b>0</b>		N	RM	RM	NA	RIG	0	0					<b>MOVE RIG FROM 300 METER DISTANCE TO ZULF-2120/2129 PF.</b>
04.0	<b>0700 - 1100</b>	<b>0</b>		N	RM	POV	NA	RIG	0	0					<b>POSITIONED RIG OVER ZULF-2120/2129 PF. JACK UP 8' DRAFT - CONFIRMED &amp; ACCEPTED RIG POSITION.</b>
															<b>* RELEASED RAWABI-320 FROM PORT SIDE AT 10:40HRS * RELEASED ZAMIL-53 FROM STARBOARD SIDE AT 10:50HRS.</b>
02.0	<b>1100 - 1300</b>	<b>0</b>		N	RM	POV	NA	RIG	0	0					<b>JACK HULL TO 0' AIR GAP &amp; PREPARE FOR PRE-LOAD OPERATION. REMOVE PRE-LOAD CAPS. CHECK FILL LINE VALVES. CONNECT SW PUMP FOR PRE-LOAD OPERATION.</b>
06.0	<b>1300 - 1900</b>	<b>0</b>		N	RM	POV	NA	RIG	0	0					<b>JACK UP 5' AIR GAP. COMMENCED PRE-LOADING</b>
00.8	<b>1900 - 1945</b>	<b>0</b>		N	RM	POV	NA	RIG	0	0					<b>HPJSM. SKIDDED OUT-SUB-BASE 32'.</b>
08.2	<b>1945 - 0400</b>	<b>0</b>		N	RM	POV	NA	RIG	0	0					<b>JACK DOWN TO 4' AIR GAP. CONT PRE-LOADING. PORT LEG 100% COMPLETE. DUMP PRELOADS ON PORT AFT LEG.</b>
01.0	<b>0400 - 0500</b>	<b>0</b>		N	RM	POV	NA	RIG	0	0					<b>PRELLOAD ON STARBOARD AFT LEG.</b>

**ZULF-2125 WILL BE DRILLED AS WATER INJECTOR WELL TARGETING KHAFJI AQUIFER.**

**RIG CURRENT COORDINATES:**

\* WATER DEPTH = 118'; LATITUDE = 28DEG 18.930' N; LONGITUDE =49DEG 11.800' E; BOW HEADING 330.

\* FINAL LEG PENETRATION: PORT= XX FT, STARBOARD= XX FT, BOW = XX FT.

\* AIR GAP: XX FT; RKB TO MSL: XXX FT; RKB TO PLATFORM: XXXX FT; RKB TO MUD LINE: XXX FT.

\* NO ANCHOR RESTRICTIONS ON ZULF-2120/2129 PF LOCATION.

\* THURAYA WEEKLY CALL TEST WAS UNSUCCESSFULLY DUE TO BATTERY ISSUE, NEED BATTERY.

\* CONDUCTED ANNUAL SECONDARY EMERGENCY DRILL ON 05/31/2022.

\* CONDUCTED H2S RELEASE, FIRE ALARM & ABANDONE SHIP DRILL ON 20-FEB-23

\* CONDUCTED FLOODING DRILL ON 20TH FEB-23

**ARAMCO VISITORS & PERSONNEL ONBOARD:**

\* ARAMCO MATERIAL EXPEDITOR , HUSSAIN ABDULELAH TAQI ALBU KEDER # 813619 LEFT THE RIG 14TH FEB-23.

\* ARAMCO RIG MOVE MASTER HABY MAHMOUD, ID # 8324163 ON LOCATION AT 09:15HRS 02/24/2023

**SERVICE TOOLS ONBOARD:**

**WAIT ON TIME:**

\* WEATHER: 0 HRS; CUMULATIVE: 0 HRS.

\* MARINE: 0 HRS; CUMULATIVE: 0 HRS.

\* PRODUCING 0 HRS; CUMULATIVE : 0 HRS.

\* TOOLHOUSE 0 HRS; CUMULATIVE : 0 HRS.

**RIG CONTACT:**

\* RADIO RM: +966-135105792, ARAMCO PHONE AT RADIO RM: +966-133788315

\* VHF RADIO CHANNEL: 11 & 68

\* RIGNET SATELLITE PHONE: +00870773929015

**PERFORMED ANNUAL E-SHUT DOWN OF RIG GENERATOR FROM RIG FLOOR ON 5TH APRIL 2022.**

\* PROPOSED RIG MOVE DATE: 10TH FEB-2023

\* NEXT LOCATION ZULF-2120/2129 PF.

\* PROPOSED RIG MOVE MEETING: 08 FEB 2023.

\* RIG MOVE REQUEST : RM-2023-4008408 & RM-2023-4008407.

\* RIG MOVE BOAT DRSS: 1003838440

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS					
MUD DATA														
MUD TREATMENT														
BIT DATA														
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
Miscellaneous	BOP Test	BOP Drills		Wind 22-25 NW	Sea 4 FT		Weather SEASONAL	DSLTA		Safety Meeting				
	Real-Time Data Quality							No Transmission						
Personnel and Services Information	COMPANY	A20	SPS	RIG	EMC	ARM	BCM	ARM	Total 76					
	CATEGORY	CTRG	DPDS	RIG	DFMS	OTHR	PCS	WSC						
	NO. OF PERSONS	10	2	58	1	1	2	2						
	OPERATING HRS.	0	0	24	0	20	24	24						
	ON LOCATION HRS.	24	24	24	24	24	24	24						
Trucks/Boats	Standby/Tankers <b>TOPAZ KARAMA</b>													
BULK	Drill Wtr.-BBLS <b>1679</b>	Pot Wtr.- BBLS <b>1045</b>	Fuel- BBLS <b>2137</b>	Barite- SX <b>1150</b>	Bentonite - SX <b>517</b>	Cement G- SX <b>1848</b>								
REPAIR ASAP	Instrumentation	Other Computer, Communication & V-Sat Issues <b>THURAYA PHONE NEED BATTERY.</b>		Reporter										

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>SFNY-1151 (DRILL TO KHAFJI, ESP COMPLETION.)</b>	Rig <b>ARO- 3003</b>	Foreman(s) <b>JURASHI, MOHAMMED NASSIR/ AJAJI, ABDULAZIZ ADEL/</b>
Engineer Superintendent	<b>66- 22013- #: 1151)</b> Wellbores: (0) SFNY_1151_0	<b>THURAYA 00882-16777-12180 378-8396</b>	<b>DOLCIANI, GREGORY JEAN-MARIE/ QAHTANI, SALEM DULAIM</b>
		<b>RIG FORMAN VSAT 378-8396</b>	<b>OTHER VSAT 378-8398 378-8397</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>1731</b>	<b>OPEN HOLE FROM 8 1/2" TO</b>	<b>OPEN HOLE FROM 8 1/2" TO 22". WIPER TRIP TO 24" CSG SHOE. RIH TO BOTTOM &amp; 22".</b>	<b>SFNY-1150/1159</b>	<b>22.9 (02/04/2023@0615)</b>	<b>KHBR 825 823 FT TVD ALVL 1091 1087 FT TVD SILS 1120 1117 FT TVD RUS 1311 1304 FT TVD RUSG 1577 1565 FT TVD UMER 1717 1704 FT TVD</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>1731</b>					<b>24</b>	<b>13051297</b>		<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations					
									Start	End	Start	End				
<b>24.0</b>	<b>0500 - 0500</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>DHO</b>	<b>BIT</b>	<b>SBT</b>	<b>1731</b>	<b>1731</b>	<b>1325</b>	<b>1586</b>	<b>OPEN HOLE FROM 8 1/2" TO 22" @ CONTROLLED ROP 25 FPH W/ HALLIBURTON 22" MOTOR WITH MWD/GWD. PUMP HI-VIS SWEEPS EVERY STAND &amp; TAKE SURVEY.</b>			

#### \*\*\*\*SFNY-1151 WELL OBJECTIVE \*\*\*

SFNY-1151 IS A DUAL LATERAL HORIZONTAL PRODUCER WELL TARGETING KHAFJI RESERVOIR MEMBER. WELL IS TO BE DRILLED TO A TOTAL TD OF +/- 7,275'MD (5,712' TVD).

ACTUAL LATERAL LENGTH MAY BE REVISED AFTER ACQUIRING FLUID CONTACTS AND BETTER DEPTH CONTROL FROM PILOT HOLES.  
COMPLETION WILL BE ICD SCREENS AND WELL WILL BE EQUIPPED WITH ESP.

#### CASING POINTS PLANNED:

38" CASING DRIVEN AT 220'

30" CASING AT 709' MD (100' INTO PNU) SECTION TD = 709'.

24" CASING AT 1317' MD/1313' TVD (5' ABOVE RUS) =1305'

18-5/8" CASING AT 1,714' MD / 1,704' TVD (10' INTO UMER)=XXX

13-3/8" CASING AT 4,384 'MD / 4135' TVD (70' INTO LAMS) = XXXX'

8.5" PILOT HOLE TD AT 7,275' MD / 5712' TVD LANDED INTO MKFJ FORMATION.

PILOT HOLE WILL BE PLUGGED AND SFNY-1151 LATERALS WILL BE DRILLED AFTER ALL THE PILOT HOLES ON THE PLATFORM HAVE BEEN DRILLED

#### =====SFNY 1150-1159 PF WELL STATUS=====

SFNY-1150 - SUSPENDED FOR COMPLETION

SFNY-1159 (SL) - RUN AND CEMENT 9-5/8" CASING IN LAMS - SUSPENDED

SFNY-1157 (SL) - RUN AND CEMENT 13-3/8" CASING/SUSPENDED.

SFNY-1156 (SL) - RUN AND CEMENT 13-3/8" CASING/SUSPENDED.

SFNY-1151 (DL) - CURRENT WELL- DRILL TO LAMS, RUN AND CEMENT 13-3/8" CASING. DRILL 8-1/2" PH

PLANNED FOR BATCH DRILL:

SFNY-1154 (DL)

SFNY-1153 (DL)

SFNY-1152 (SL)

SFNY-1158 (SL)

DRILL AND COMPLETE:

SFNY-1159 (SL)

SFNY-1156 (SL)

SFNY-1157 (SL)

#### =====CCA MONITORING=====

DATE CONFIRMED: 02/7/2023.

SFNY-1156: 38"X30"= 0 PSI, 30"X24" = 0 PSI.24"X18-5/8"= 0 PSI

SFNY-1150: 38"X30"= 0 PSI, 30"X24" = 0 PSI, 24"X18-5/8"= 0 PSI, 18-5/8"X13-3/8" = 0 PSI, 13-3/8"X9-5/8"= 0 PSI.

SFNY-1157: 38" X 30"= 0 PSI, 30"X 24"= 0 PSI 24" X 18 5/8"= 0 PSI, 18-5/8"X13-3/8"=0 PSI.

SFNY-1159: 38" X 24"= 0 PSI, 24"X18-5/8"= 0 PSI, 18-5/8"X13-3/8" = 0 PSI, 13-5/8" (CAPPED) = 0 PSI.

=====LC-50 SAMPLE: JAN 01-12-2023: BL MANIFEST 2400599917, TOPAZ MAMILAKA=====

=====ARAMCO CLERK BONTIA PHILIP GARRY P244981B ON LOCATION SINCE JAN 27,2023.

ARAMCO HSE SALEH BO SAAD #796768 ARRIVED ON RIG FEB 17,2023.

=====PRESENT RIG POSITION: PT SFNY-1150/1159.

LAT : 28 22.99' N

LONG: 048 55.59' E

RIG HEADING: 329 DEG

**WATER DEPTH: 64'**  
**AIR GAP: 52'**  
**RKB TO WATER: 112'**  
**RKB TO MUDLINE: 176'**  
**DISTANCE TO TANAJIB - 77.3 NM**  
**NEAREST GOSP IS SFNY-4: 1.7 NM**  
**FINAL LEG PENETRATION: BOW LEG: 9.5', PORT LEG: 9.5', STARBOARD LEG 9.5'.**

**RENTAL TOOLS ONBOARD::**

**COUGAR 9.5" JAR (DJ10-950-032) & 12" SHOCK SUB (ST5-1200-132) ON LOCATION 01/21/23.**

**CORETRAX 9.38" ( DVBD0015 ) & 7"( DVSA0048 ) ON LOCATION 01/22/23.**

**\*\* DRILLS CONDUCTED: H2S, FIRE & DRILLS HELD ON 02/5/2022.**

**\*\* CONDUCT SFNY-1151 PRE-SPUD, WELL CONTROL & STUCK PIPE METIGATION TECHNIQUES WITH DE ON 1/29/2023.**

**Remarks**

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec		DLS
MUD DATA	Weight 82 PCF	Funnel Vis. 51 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 24	YP 25	Electrical Stability 0 Volts	3/6 RPM 12 / 14	Gels Sec/Min 12 / 18	PH 9.86	CA PPM 280	CL PPM 58000				
	FL Temp 88	Cake HTHP 0	Cake API 1	Water Vol. % 87	Oil Vol. % 0	Solids Vol. % 13	Sand Vol. % 0	% LGS 3.94	MBT 5	Mud type <b>WBM-NAC</b>	Water Well #					
	Weight 82 PCF	Funnel Vis. 54 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 24	YP 26	Electrical Stability 0 Volts	3/6 RPM 12 / 15	Gels Sec/Min 12 / 19	PH 9.88	CA PPM 320	CL PPM 60000				
	FL Temp 88	Cake HTHP 0	Cake API 1	Water Vol. % 87	Oil Vol. % 0	Solids Vol. % 13	Sand Vol. % 0	% LGS 3.89	MBT 5	Mud type <b>WBM-NAC</b>	Water Well #					
	Weight 82 PCF	Funnel Vis. 52 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 23	YP 24	Electrical Stability 0 Volts	3/6 RPM 12 / 14	Gels Sec/Min 12 / 18	PH 10.1	CA PPM 280	CL PPM 58000				
	FL Temp 88	Cake HTHP 0	Cake API 1	Water Vol. % 87.5	Oil Vol. % 0	Solids Vol. % 12.5	Sand Vol. % 0	% LGS 2.96	MBT 5	Mud type <b>WBM-NAC</b>	Water Well #					
	UTG-XG	SODASH	MAX-GUARD	CAUST	CITRICACID	MRBL-M	NEWDRLLPLUS									
MUD TREATMENT	5(55LB)	2(100LB)	4(55GL)	2(50LBP)	3(50LBP)	1(2200L)	10(55LB)									
BIT DATA																

Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
1	Bit	SMT	22	1	22	6	1.85	7.625 REG					RV0435
2	Mud Motor	SPS	11.25	1	11.25	7.24	34.32	7.625 REG	7.625 REG				11683264
3	Float Sub	SPS	9.5	1	9.5	3	3.48	7.625 REG	7.625 REG				13905421
4	Stabilizer	SPS	20	1	9.5	3	8.24	7.625 REG	7.625 REG				12105952
5	Gyro MWD	SCD	9.5	1	9.5	4.25	37.44	7.625 REG	7.625 REG				
6	PBL (Multiple Activation By Pass)	CRW	9.5	1	9.5	3.5	18.97	7.625 REG	7.625 REG				DVBD0015
7	Drillcollar	RIG	9.5	6	9.5	3.125	183	7.625 REG	7.625 REG				
8	Hydraulic Jar	CTC	9.5	1	9.5	3.813	31	7.625 REG	7.625 REG				DJ650-04-20
9	Drillcollar	RIG	9.5	2	9.5	3.125	59.3	7.625 REG	7.625 REG				
10	Crossover	RIG	9.5	1	9.5	3.5	2.4	6 5/8 REG	7.625 REG				
11	Drillcollar	RIG	8	3	8	2.25	90.28	6 5/8 REG	6 5/8 REG				
12	Crossover	RIG	8	1	8	3	4.05	VX54	6 5/8 REG				
13	Heavy Weight Drillpipe (HWDP)	RIG	5.5	12	5.5	3.25	368.35	5.5 VX-54	5.5 VX-54				
14	Drillpipe	RIG	5.5	1	5.5	3.25	30.5	5.5 VX-54	5.5 VX-54				

Miscellaneous	BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting
	Real-Time Data Quality	Sensors Quality	99%	Data Frequency	98%	Real-Time Hrs	11.49/24 hrs

Personnel and Services Information	COMPANY	FMC	HTD	A20	WDV	SPS	RIG	EMC	SCD	CTC	HMS	ARM	BCM	ARM	CRW	FME	Total 88
	CATEGORY	CSR	CSV	CTRG	DV	DPDS	RIG	DFMS	ISS	JST	MLS	OTHR	PCS	WSC	WBCS	WHES	
	NO. OF PERSONS	2	0	11	1	4	55	2	1	0	4	2	2	2	1	1	
	OPERATING HRS.	0	0	0	0	24	24	24	24	0	24	12	24	24	24	0	

	ON LOCATION HRS.	24	0	24	24	24	24	24	0	24	24	24	24	24
Trucks/Boats	Standby/Tankers													
BULK	Drill Wtr.-BBLS <b>2573</b>	Pot Wtr.- BBLS <b>1428</b>	Fuel- BBLS <b>1731</b>	Barite- SX <b>2073</b>	Bentonite - SX <b>314</b>	Cement G- SX <b>2423</b>								
REPAIR ASAP	Instrumentation	Other												Reporter

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D&WO Morning Report (Service Providers View)  
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 Daily OffShore  
 (0500-0500) Saudi Aramco

Date	MONDAY 02/27/2023	Well No (Type) :	SFNY-1522 (OIL-PRODUCER IN SFNY FIELD)	Rig	Foreman(s)	BOWEN, ADRIAN/ FAYYADH, JABER ABDULLAH/ ALHAKIM, MULYANTO ROESTAM/ DAHMOUSH, ABDULLATEEF AHMAD
Engineer		Superintendent		THURAYA	RIG FORMAN VSAT	OTHER VSAT
			Wellbores: (0) SFNY_1522_0	008821677712179	3786513	CONTRACTOR/CLERK VSAT 3786515 3786514

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
1321	RUN 24' CASING TO 948', UNABLE WORK / WASH PAST OBSTRUCTION AT 948'. POH WITH 24' CASING	CONTINUE POH WITH 24' CASING. P/U 28" STIFF REAMING BHA. REAM HOLE TO TD. CHC. WIPER TRIP TO SHOE & RIH. CHC	SFNY-1520_1529 PLATFORM, N- 301439.80 , E- 3144241.95	20.4 (02/06/2023@2030)	PNGU 620 KHBR 811 810 FT TVD ALVL 1109 1106 FT TVD SILS 1124 1121 FT TVD MDRS 1224 1220 FT TVD RUS 1311 1305 FT TVD - PROJECTED
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage 30 735 735 0 Circ % 100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations	
									Start	End	Start	End				
00.2	0500 - 0515 0	38	N	CSG	PJSM	CSG	RIG	1321	1321						HOLD PJSM WITH ALL PERSONNEL INVOLVED RUN CASING CONVENTIONALLY	
04.5	0515 - 0945 0	38	N	CSG	RCSG	CTRQ	WCR	1321	1321	132	707				RIH 24" X-56 201# JVLW FBE-EPC CSG (3 X JTS OF BARE 24" ERW PIPE) FROM 132' TO 707'. FILL EACH JOINT 76 PCF WBM.	
00.5	0945 - 1015 0	38	N	CSG	CIRC	MPMP	RIG	1321	1321						BREAK CIRCULATION STAGE UP TO 6BPM @ 30" SHOE	
00.5	1015 - 1045 0	38	N	CSG	RCSG	CTRQ	WCR	1321	1321	707	789				RIH 24" X-56 201# JVLW FBE-EPC CSG IN OPEN HOLE FROM 707' TO 789'	
00.8	1045 - 1130 0	38	N	CSG	RCSG	DV	WDV	1321	1321						M/U WEATHERFORD DV, INSTALL CENTRALIZERS ABOVE & BELOW DV TOOL & RIH TO 817'	
00.5	1130 - 1200 0	38	N	CSG	RCSG	CTRQ	WCR	1321	1321	817	895				RIH 24" X-56 201# JVLW FBE-EPC CSG FROM 817' TO 895'.	
06.0	1200 - 1800 0	38	N	CSG	RCSG	CTRQ	WCR	1321	1321	895	948				TAG OBSTRUCTION @ 895', WORK CASING PAST OBSTRUCTIONS FROM 895' TO 948'. WITH NO FURTHER PROGRESS	
01.0	1800 - 1900 0	38	N	CSG	RW	CSG	RIG	1321	1321	948	970				PULL BACK FROM 948' TO 937', B/O & L/O 24" CASING JOINT.	
02.8	1900 - 2145 0	38	N	CSG	WO	NA	ARM	1321	1321			WON	909645		RECIPROcate CASING STRING FROM 730' TO 737', WHILE WAIT ON HIGH WINDS, THUNDER AND LIGHTNING STORM TO PASS FOR CRANES TO P/U CASING JOINT WITH CIRC SWEDGE	
00.8	2145 - 2230 0	38	N	CSG	RW	CSG	RIG	1321	1321	948	999				P/U & M/U CASING JOINT WITH CIRC SWEDGE	
01.8	2230 - 0015 0	38	N	CSG	RW	CSG	RIG	1321	1321	948	948				STAGE UP CIRCULATION TO 7BPM & WASH CASING IN HOLE FROM 837' TO 948' ATTEMPT TO WORK PAST OBSTRUCTION AT 948' WITH NO SUCCESS	
01.2	0015 - 0130 0	38	N	CSG	OTH	CSG	ARM	1321	1321						CONTINUED CIRC HOLE & WORK CASING, WHILE PREPARE TO POH WITH 24" CASING & HPJSM WITH ALL INVOLVED.	
01.8	0130 - 0315 0	38	N	CSG	OTH	CSG	ARM	1321	1321						POH 24" X-56 201# JVLW FBE-EPC CSG FROM 948' TO 817'	
00.8	0315 - 0400 0	38	N	CSG	OTH	CSG	ARM	1321	1321						PULL & L/O DV AS PER WEATHERFORD & INSPECT SAME	
01.0	0400 - 0500 0	38	N	CSG	OTH	CSG	ARM	1321	1321						POH 24" X-56 201# JVLW FBE-EPC CSG FROM 789' TO 666'. FLOW CHECK INSIDE SHOE - STATIC	

Lost Time Details														LT Summary			
From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID			Type	Cause	Object	Resp Co	Depth						
27 Feb 1900 - 2145	2.75	2.75	909645				WON	WTHR	NA	ARM	1321				UNABLE TO PICK UP CASING FROM DECK, CRANE OPERATIONS SHUT DOWN DUE TO HIGH WINDS		

WELL OBJECTIVE: SFNY-1522 TO BE DRILLED AS SINGLE LATERAL HORZ. PROD. WELL ACROSS KHAFJI RESERVOIR. PILOT HOLE DRILLED TO

## EVALUATE OIL COLUMN & CURRENT OWC ACROSS SFNY & KHFJ RESERVOIRS IN THE SFNY DOME.

## PLATFORM WELL STATUS IN ORDER OF OPERATIONS

SFNY-1520 PREVIOUSLY DRILLED BY ADC-60 TO TD & SUSPENDED TO COMPLETED AS OBSERVATION WELL LATER  
SFNY-1529 DRILLED TO 8075' LOGGED & EVALUATION. SUSPENSION & LATER DRILLED TO TOTAL DEPTH & COMPLETED  
SFNY-1522 TO BE DRILLED & LOG TO EVALUATE OIL COLUMN & OWC ACROSS SFNY & KHFJ RESERVOIRS  
SFNY-1526 NEXT WELL TO BE DRILLED & LOGGED TO EVALUATE OIL COLUMN & OWC ACROSS SFNY & KHFJ RESERVOIRS  
SFNY-1524 TO BE DRILLED TO BE BATCH DRILLED  
SFNY-1525 TO BE DRILLED TO BE BATCH DRILLED  
SFNY-1527 TO BE DRILLED TO BE BATCH DRILLED  
SFNY-1528 TO BE DRILLED TO BE BATCH DRILLED

## CASING POINTS:

38" CONDUCTOR 55' BELOW SEABED-256' MD BRT.  
30" PLAN DEPTH TO 758' MD / ACTUAL 735' MD (+/-150' INTO PNUG FORM)  
24" PLAN DEPTH TO 1,341' MD (10' INTO RUS FORM)  
18-5/8" PLAN DEPTH TO 1,754' MD (10' INTO UMER FORM).  
13-3/8" PLAN DEPTH TO 4,628' (+/-150' INTO LAMS FORM).  
8.5" PILOT PLAN DEPTH TO 9,387' MD (INTO KHFJ FORM).

## SAFETY:

#### **REVIEW HSE ALERTS 20-23, 21-23, 22-23 AND 23-23 @ PRE-TOUR MEETINGS WITH CREWS.**

**REVIEW FIRE ALERTS 10-10, 21-10, 22-10 AND 23-10 & PRE-FOCK MEETINGS WITH CREW.**  
**THURAYA CHECK- # 008821677712179 CHECKED WITH DHAHRAN ECC- GOOD SIGNAL 26-FEB 20:33 HRS**  
**HELD -WEEKLY FIRE, H2S & ABANDON DRILLS-FEB 19TH, 2023.**

BIG DATA

**WATER DEPTH: 101'; (HSU) AIR GAP: 44'; RKB TO MSI: 104'; RKB TO SEABED: 205';**

**FINAL RIG POSITION CONFIRMED: N-301441.98 E-3144238.35 / RIG HEADING 329DEG**

**FINAL RIG POSITION CONFIRMED. N-301441.98, E-3144238  
FINAL LEG PENETRATION: ROW 12L PORT 11L & STRD 11L**

**FINAL LEG PENETRATION: BOW 12', PORT 11' & STBD 11'.  
AFC CONTACT: RHR-F7A- BIG NET RADIO: 266125165823 - USA NUMBER: RADIO: 1-381-562-8883**

PERSONNEL

- MATERIALS EXPEDITOR: ABDUL AZIZ AL JEBRIN # 8329721 ON BOARD - 16TH FEB 2023

WBM | C-50 CHALVIN TIDE 26 NOV 2022 MM# 2400592461 TAXI REQUEST 1003Z61155

WBM LC-50 CHAUVIN RIBE 20 NOV. 2022 MM# 24006024871 TAXI REQUEST 100371135. ORB LLC-50 TOPAZ MALAK 18 JAN 2023 MM# 24006007471 TAXI REQUEST 100381749.

#### RENTAL TOOLS:

- QIL SERV 1 X 6-1/2" & 1 X 9-1/2" IAB SAMAA 2 X 6-3/4" & 2 X 9-1/2" RBL

CCA MONITORING -FILED OFF ALL PRESS TO ZERO ON 11/15/2022, RECORDED AND UPDATED DAILY

- SFNY-1520 WELL: 30"X24"=0 PSI, 24"X 18-5/8"=0 PSI, 18-5/8"X 13-3/8"=10 PSI, 13-3/8"X 9-5/8"=0 PSI, 9-5/8" X TBG=5 PSI, THP= 0 PSI.  
- SFNY-1529 WELL: 38"X30"=0 PSI, 30"X 24"=45 PSI, 24"X 18-5/8"=8 PSI, 18 5/8" X 13 3/8"=0 PSI.  
- SFNY-1522 WELL: 38"X30"=0 PSI.

**STANDBY BOAT RAWABI-51 ARRIVE 10:45HRS ON 7TH FEB 2023**

### Remarks

Personnel and Services Information	COMPANY		WCR	HTD	A20	WDV	BHI	RIG	BDF	WCM	OJR	XLG	ARM	SCM	ARM	SAM	Total <b>76</b>
	CATEGORY		CSR	CSV	CTRGS	DV	DPDS	RIG	DFMS	DSFE	JST	MLS	OTHR	PCS	WSC	WBCS	
	NO. OF PERSONS		2	2	10	1	2	49	2	0	0	3	1	3	1	0	
	OPERATING HRS.		18	0	0	18	0	24	24	17	0	24	12	0	24	0	
	ON LOCATION HRS.		24	24	24	24	24	24	24	0	0	24	24	3	24	0	
	Standby/Tankers		<b>RAWABI - 51 (STAND-BY BOAT)</b>														
Trucks/Boats	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX											
BULK	1881	1188	1235	4524	465	4235											
REPAIR ASAP	Instrumentation	Other															Reporter
	Computer, Communication & V-Sat Issues																

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 Daily OffShore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>MRJN-535 (DRILLING DUAL LATERAL OIL PRODUCER)</b> Charge #: (66- 21073- 0535) Wellbores: (0) MRJN_535_0	Rig <b>ARO- 4001</b>	Foreman(s) <b>NOWELL JR, WAYNE THOMAS/</b> Engineer <b>MOUSA, MOHAMMAD ADEL/</b> Superintendent <b>UMAIRIN, ISA SALEM</b>
			THURAYA RIG FORMAN VSAT <b>008821677712217</b> 378-7484 OTHER VSAT 378-7486 CONTRACTOR/CLERK VSAT

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>16462</b>	<b>RIH WITH SAMMA 7" SCRAPER ASSY, CHC, POOH. RIH WITH DLR REAMING ASSEMBLY.</b>	<b>RIH WITH DLR REAMING ASSEMBLY. DISPLACE TO BRINE AND PREPARE FOR WHIPSTOCK.</b>	<b>P/F- MRJN-530/539</b>	<b>41.0</b> (01/25/2023@2230)	<b>WARA</b> 6129 <b>6452 FT-MD</b> <b>MDDD</b> 6162 <b>6492 FT-MD</b> <b>SFNY</b> 6332 <b>6702 FT-MD</b> <b>SFNR</b> 6409 <b>6808 FT-MD</b> <b>BSFR</b> 6504 <b>6937 FT-MD</b> <b>KHFJ</b> 6541 <b>6989 FT-MD</b> <b>DAIR</b> 6688 <b>7208 FT-MD</b> <b>MJ02</b> 6712 <b>7249 FT-MD</b> <b>MJ03</b> 6757 <b>7324 FT-MD</b> <b>MJ04</b> 6788 <b>7378 FT-MD</b> <b>BMKJ</b> 6950 <b>7711 FT-MD</b> <b>SHUB</b> 7020 <b>7897 FT-MD</b> <b>SHBR</b> 7132 <b>8625 FT-MD</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>16462</b>	<b>7</b>	<b>6129</b>	<b>11461</b>	<b>7134</b>	<b>9 5/8</b>	<b>64476182</b>		<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
02.0	0500 - 0700	0	6 1/8	N	CT	WBCO	WBCL	SAM	16462	16462			RIH WITH SAMMA 7" SCRAPER ASSY ON 4" DP. F/2342 T/3674.
00.5	0700 - 0730	0	6 1/8	N	CT	HT	PEL	RIG	16462	16462			CHANGE OUT HANDLING EQUIPMENTS & BX ELEVATOR INSERTS FROM 4"DP TO 5-1/2"DP.
02.2	0730 - 0945	0	6 1/8	N	CT	WBCO	WBCL	SAM	16462	16462			RIH W/ SAMAA 7" SCRAPER & MAGNET ASSY. ON 5-1/2" DP F/3674' T/6012' AT RESTRICTED SPEED AS PER SAMAA REPRESENTATIVE (85'/MINUTE) WHILE MONITORING WELL ON TRIP TANK. F/U STRING EVERY 20 STANDS.
04.0	0945 - 1345	0	6 1/8	N	MAIN	RR	DWKS	RIG	16462	16462			SLIP & CUT 60' DRILL LINE. CALIBRATE BLOCK, CROWN AND FLOOR SAVER.
02.2	1345 - 1600	0	6 1/8	N	CT	WBCO	WBCL	SAM	16462	16462			RIH W/ SAMAA 7" SCRAPER & MAGNET ASSY. ON 5-1/2" DP F/ 6012' T/ 9400' AT RESTRICTED SPEED AS PER SAMAA REPRESENTATIVE (85'/MINUTE) WHILE MONITORING WELL ON TRIP TANK. F/U STRING EVERY 20 STANDS.
00.5	1600 - 1630	0	6 1/8	N	CT	WBCO	WBCL	SAM	16462	16462			ESTABLISH PARAMETERS AND WORK SCRAPER FROM 9300' TO 9330' (9400' TO 9430' BIT DEPTH) WITH 400 GPM, 2540 PSI, 35 RPM.
01.2	1630 - 1745	0	6 1/8	N	CT	CIRC	MPMP	RIG	16462	16462			PUMP TANDEM SWEEP 10 BBLS LOW VIS / 15 BBLS HIGH WEIGHT AND CIRCULATE HOLE CLEAN. 400 GPM, 2500 PSI. FLOW CHECK. WELL STATIC.
00.2	1745 - 1800	0	6 1/8	N	CT	CIRC	MPMP	RIG	16462	16462			PUMP 35 BBLS SLUG 96 PCF.
02.2	1800 - 2015	0	6 1/8	N	CT	WBCO	WBCL	SAM	16462	16462			POOH W/ SAMAA 7" SCRAPER & MAGNET ASSY. ON 5-1/2" DP F/ 9430' T/ 6128' AT RESTRICTED SPEED AS PER SAMAA REPRESENTATIVE (85'/MINUTE) WHILE MONITORING WELL ON TRIP TANK. FLOW CHECK @ TOL. WELL STATIC.
01.0	2015 - 2115	0	6 1/8	N	CT	WBCO	WBCL	SAM	16462	16462			POOH W/ SAMAA 7" SCRAPER & MAGNET ASSY. ON 5-1/2" DP F/ 6128' T/ 3674' AT RESTRICTED SPEED AS PER SAMAA REPRESENTATIVE (85'/MINUTE) WHILE MONITORING WELL ON TRIP TANK.
00.5	2115 - 2145	0	6 1/8	N	CT	HT	PEL	RIG	16462	16462			CHANGE HANDLING EQUIPMENT TO 4".
01.8	2145 - 2330	0	6 1/8	N	CT	WBCO	WBCL	SAM	16462	16462			POOH W/ SAMAA 7" SCRAPER & MAGNET ASSY. ON 4" DP F/ 3674' T/ 157' WHILE MONITORING WELL ON TRIP TANK. FLOW CHECK. WELL STATIC.
01.5	2330 - 0100	0	6 1/8	N	CT	WBCO	WBCL	SAM	16462	16462			CLEAN 7" MAGNETS. L/D SAMAA 7" SCRAPER & MAGNET ASSY. CLEANING MAGNETS AND JUNK BASKET. 3.4 KG RECOVERD.
00.5	0100 - 0130	0	6 1/8	N	CT	WBCO	WBCL	SAM	16462	16462			CLEAN & CLEAR RIG FLOOR.
01.5	0130 - 0300	0	6 1/8	N	CT	HT	BHA	RIG	16462	16462			P/U & M/U 6-1/8" DLR REAMING ASSY. T/ 197'.
01.0	0300 - 0400	0	6 1/8	N	CT	TI	STHDP	RIG	16462	16462	197	871	RIH W/ 6-1/8 DLR REAMING ASSY. ON 4" HWDP WHILE M/U JARS. F/ 197' T/ 871'
01.0	0400 - 0500	0	6 1/8	N	CT	TI	STDp	RIG	16462	16462	871	2935	RIH W/ 6-1/8 DLR REAMING ASSY. ON 4" DP F/ 871' T/2935.

=====WELL DESIGN=====

**MRJN-535 OBJECTIVE: DUAL LATERAL PRODUCER TARGETING SHU'AIBA FORMATION.**

**=====COMPLETED DRILLING SEQUENCE=====**

\*\* MRJN-532--- READY FOR FLOWBACK.  
 \*\* MRJN-533--- READY FOR FLOWBACK.  
 \*\* MRJN-534--- READY FOR FLOWBACK.  
 \*\* MRJN-536--- READY FOR FLOWBACK.  
 \*\* MRJN-537--- READY FOR FLOWBACK.  
 \*\* MRJN-538--- READY FOR FLOWBACK.  
 \*\* MRJN-539--- READY FOR FLOWBACK.  
 \*\* MRJN-535--- CURRENT WELL.

**=====NEXT LOCATION & PLANNED RIG MOVE DATE: RIG MAINTENANCE 3/2023.**

**ARAMCO PERSONNEL ONBOARD:**

\*\* ARAMCO FCT RODA M ALSADEER #764541 ONBOARD SINCE 02/21/2023.

\*\* RECIEVED 4-3/4" MIDAD JAR.

\*\* HSE ALERTS REVIEWED WITH CREWS:16/17/18 - 23.

\*\* HELD H2S DRILL ON FEB. 25, 2023.

\*\* HELD FIRE DRILL ON FEB. 25, 2023.

\*\* HELD ABANDAN SHIP DRILL ON FEB. 25, 2023.

**MEASUREMENTS**

\* RIG HEADING - 330 DEG.

\* AIR GAP - 40 FT.

\* RKB TO MSL -107 FT.

\* WATER DEPTH - 165 FT.

\* RKB TO MUMLINE - 272 FT.

**Remarks**

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS		
MUD DATA	Weight <b>82</b> PCF	Funnel Vis. <b>84</b> SEC	Filtrate(WL) <b>0.6</b> HTHP	Filtrate (WL) API	PV <b>30</b>	YP <b>19</b>	Electrical Stability <b>600</b> Volts	3/6 RPM <b>7 / 8</b>	Gels Sec/Min <b>11 / 14</b>	PH	CA PPM <b>24800</b>	CL PPM <b>260793</b>					
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>16</b>	Oil Vol. % <b>55</b>	Solids Vol. % <b>29</b>	Sand Vol. % <b>0.1</b>	% LGS <b>27</b>	MBT	Mud type <b>RELIANT</b>	Water Well #						
	Weight <b>82</b> PCF	Funnel Vis. <b>83</b> SEC	Filtrate(WL) <b>0.6</b> HTHP	Filtrate (WL) API	PV <b>31</b>	YP <b>19</b>	Electrical Stability <b>620</b> Volts	3/6 RPM <b>7 / 8</b>	Gels Sec/Min <b>11 / 14</b>	PH	CA PPM <b>24800</b>	CL PPM <b>260793</b>					
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>16</b>	Oil Vol. % <b>55</b>	Solids Vol. % <b>29</b>	Sand Vol. % <b>0.1</b>	% LGS <b>27</b>	MBT	Mud type <b>RELIANT</b>	Water Well #						
MUD TREATMENT																	
BIT DATA	Bit Number <b>10RR</b>	IADC <b>117</b>	Size <b>6.125</b>	Manufacturer <b>SMT</b>	Serial Number <b>RV0123</b>	Type <b>XR+ / X /</b>	Jets	TFA	MD In <b>16462</b>	MD Out <b>16462</b>							
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP	
					<b>1</b>	<b>1</b>	<b>WT</b>	<b>A</b>	<b>N</b>	<b>0</b>		<b>0</b>		<b>0</b>			
DRILL STRING	Float <b>Y</b>																
	BHA Hrs:																
	String Wt.	Pick Up	Slack Off		Rot. Torque			Jars: Serial #/Hrs		/	Shock: Sub:		/	Mud	/		
Miscellaneous	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #			
	BOP Test <b>02/16/2023</b>		BOP Drills		Wind <b>N 13-18 KNTS</b>			Sea <b>3-4 FT</b>		Weather <b>SEASONAL</b>		DSLTA		Safety Meeting <b>TOURLY &amp; PRE-JOB</b>			
	Real-Time Data Quality				Sensors Quality			97%	Data Frequency		100%	Real-Time Hrs		<b>10.99/24 hrs</b>			
Personnel and Services Information	COMPANY		<b>GOS</b>	<b>BHI</b>	<b>RIG</b>	<b>BDF</b>	<b>SML</b>	<b>ARM</b>	<b>HCM</b>	<b>MI2</b>	<b>ARM</b>	<b>SAM</b>	Total <b>88</b>				
	CATEGORY		<b>CTR G</b>	<b>DPDS</b>	<b>RIG</b>	<b>DFMS</b>	<b>MUL S</b>	<b>OTHR</b>	<b>PCS</b>	<b>SCS</b>	<b>WSC</b>	<b>WBCS</b>					
	NO. OF PERSONS		<b>14</b>	<b>3</b>	<b>62</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>					
	OPERATING HRS.		<b>0</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>12</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>					
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>					
Trucks/Boats	Standby/Tankers <b>HADI 41</b>																
BULK	Drill Wtr.-BBLS <b>1867</b>	Pot Wtr.- BBLS <b>650</b>	Fuel- BBLS <b>636</b>		Barite- SX <b>3231</b>		Bentonite - SX <b>1052</b>		Cement G- SX <b>2199</b>								
REPAIR ASAP	Instrumentation		Other Computer, Communication & V-Sat Issues													Reporter	

Date <b>MONDAY</b> <b>02/27/2023</b>	Well No (Type) : <b>MRJN-3035</b> <b>(THE WELL WILL BE DRILLED AS A DUAL LATERAL HORIZONTAL GAS PRODUCER ACROSS RTWI RESERVOIR)</b> Charge #: <b>(66- 22073-#: 3035)</b> Wellbores: (0) MRJN_3035_0	Rig <b>BB-84A</b>	Foreman(s) <b>ALWAN, MAYTHAM MERZA/ LINK, DARWIN/ RENETZKY, ROBERT ANDREW/</b> Engineer <b>SHAKHSI, AMJED MOHAMMED/</b> Superintendent <b>YAMI, NASSER SALEM</b>	THURAYA <b>0088-2167-771-2655</b>	RIG FORMAN VSAT <b>378-8345</b>	OTHER VSAT <b>013-5106-452 (RR)</b>	OTHER VSAT <b>378-8346 (CLERK)</b>	CONTRACTOR/CLERK VSAT <b>013-510-6453 (OIM)</b>
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**THE WELL WILL BE DRILLED AS A DUAL LATERAL HORIZONTAL GAS PRODUCER ACROSS RTWI RESERVOIR . THIS WELL WILL BE COMPLETED AS AN OPEN HOLE COMPLETION WITH PRODUCTION PACKER AND 7" TUBING.**

=====MRJN-3031/3040 PLATFORM=====

**22" BATCH DRILLING SEQUENCE:**  
MRJN-3304 ... 22" COMPLETED  
MRJN-3037 ... 22" COMPLETED  
MRJN-3032 ... 22" COMPLETED  
MRJN-3034 ... 22" COMPLETED  
MRJN-3036 ... 22" COMPLETED  
MRJN-3040 ... 22" COMPLETED  
**MP IN-3035 ONGOING**

**\* DRILLS:**

- DRILLS:
  - FIRE DRILL: 02-18-2023
  - H2S DRILL: 02-18-2023
  - ABANDON SHIP: 02-18-2023
  - H2S MAN DOWN: 02-11-2023
  - MAN OVERBOARD: 12-03-2023

===== WAITING ON  
LAWRENCE, RANDI AND SABRINA

**\* WEATHER : TODAY 0 HRS / CUMULATIVE 0 HRS**

\* WAIT ON PRODUCING: TODAY 0 HRS / CUMULATIVE 0 HRS

\* WAIT ON MARINE: TODAY 0 HRS / CUMULATIVE 0 HRS

=====RIG POSITION & DATA=====

\* BB-84 RIG-FLOOR TO PF MAIN DECK: 63'  
 \* LATITUDE 28 DEG 27.87 NORTH, LONGITUDE 49 DEG 40.96 EAST  
 \* UTM NORTHING: 3149350 ; UTM EASTING: 371077  
 \* RIG HEADING= 330 DEG  
 \* LEG PENETRATION: BOW LEG 9.6', PORT LEG 7.6', STARBOARD LEG 15.2'  
 \* AIR GAP= 45'  
 \* WATER DEPTH= 164'  
 \* RKB TO MSL = 105'  
 \* RKB TO ML= 269'

- SALMAN ALHAJRI ARAMCO MATERIAL EXPEDITER ID#8510857 ON BOARD SINCE 17-FEB-2023.

- 9 1/2" NOV JAR ON LOCATION SINCE 4-FEB-2023, MNF: 2100679906

- SENT LC-50 NACL POLYMER WBM SAMPLE MNF#2400606929 VIA VLEESE QMS DELTA ON 26-FEB-2023.

RIG MOVE DATA:

\* NEXT LOCATION: XX

Remarks

Lateral	Survey MD		Angle	Azimuth	CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS											
MUD DATA	Weight 68 PCF	Funnel Vis. 55 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 13	YP 28	Electrical Stability Volts		3/6 RPM 12 / 13	Gels Sec/Min 13 / 15	PH 9.6	CA PPM 0	CL PPM 27000												
	FL Temp 110	Cake HTHP 0	Cake API 0.5	Water Vol. % 94	Oil Vol. % 1	Solids Vol. % 5	Sand Vol. % 0		% LGS 2.15	MBT 5	Mud type LS-ND	Water Well #													
	Weight 68 PCF	Funnel Vis. 55 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 13	YP 28	Electrical Stability Volts		3/6 RPM 12 / 13	Gels Sec/Min 13 / 15	PH 9.6	CA PPM 0	CL PPM 27000												
	FL Temp 110	Cake HTHP 0	Cake API 0.5	Water Vol. % 94	Oil Vol. % 1	Solids Vol. % 5	Sand Vol. % 0		% LGS 2.15	MBT 5	Mud type LS-ND	Water Well #													
MUD TREATMENT																									
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out														
	1RR	435	22	SMT	RV0696	GS112	/3 X 16 / 3 X 18 /	1.335	318	2453															
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av											
											DC Av	Bit HHP													
		20	60	1	1	WT	A	E	0	1575	1200	289	64.82	71.43											
DRILL STRING	Float BHA Hrs: 193	Y																							
	String Wt.	Pick Up	Slack Off	Rot. Torque				Jars: Serial #/Hrs			/	Shock	/	Mud											
	199	200	195	6				Sub: /			/	Sub:	/	Motor: /											
	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #											
Miscellaneous	BOP Test		BOP Drills		Wind	Sea	Weather	DSLTA		Safety Meeting															
			3-6 NE		1-2 FT	CLEAR				TWICE DAILY															
Personnel and Services Information	Real-Time Data Quality			Sensors Quality		100%	Data Frequency		100%	Real-Time Hrs		10.99/24 hrs													
	COMPANY		GOC	HTD	GOS	BHI	SCD	RIG	BDF	WCM	BR1	NOJ	ARM	BCM	ARM										
	CATEGORY		CSR	CSV	CTRG	DPDS	DPDS	RIG	DFMS	DSFE	MLS	JST	OTHR	PCS	WSC										
	NO. OF PERSONS		3	2	12	3	2	64	2	0	0	0	1	2	3										
	OPERATING HRS.		18	24	0	24	24	24	24	24	24	24	24	24	24										
	ON LOCATION HRS.		24	24	24	24	24	24	24	0	0	0	24	24	24										
Trucks/Boats	Standby/Tankers <b>TOPAZ KHUWAIR (SAFETY STAND BY)</b>														Total 95										
BULK	Drill Wtr.-BBLS 2035	Pot Wtr.- BBLS 1100	Fuel- BBLS		Barite- SX		Bentonite - SX		Cement G- SX																
REPAIR ASAP	Instrumentation	Other													Reporter										
	Computer, Communication & V-Sat Issues																								

Date <b>MONDAY</b> <b>02/27/2023</b>	Well No (Type) : <b>HRDH-916</b> <b>(DRILL THREE</b> <b>LATERALS ACROSS</b> <b>KHUFF-C</b> <b>RESERVOIR)</b>	Rig <b>BCTD-</b> <b>3</b>	Foreman(s) <b>ALBOKHEDER, ABDULRAHMAN MOHAMMED/</b> <b>ABDULMOHSIN, HUSSAIN TAHER/</b> <b>BIN AMMAR, YOUSEF ABDULMOHSEN/</b> <b>KHAMEES, SHAKER ABDUL MAJEED</b>
Charge #: <b>(71- 23058-0916)</b>  (0- Wellbores: 1- HRDH_916_5 1- 3)  (0- Wellbores: 1- HRDH_916_4 1- 2)	Engineer Superintendent	THURAYA <b>008821677711081</b> <b>577-3979</b>	RIG FORMAN VSAT <b>0501304832</b> <b>577-3922</b>
	MOBILE	MOBILE	CONTRACTOR/CLERK VSAT <b>0559341922</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>11950</b>	<b>POOH. RIH WITH BHA#9. TIME DRILL FOR L-1-1-3.</b>	<b>DRILL L-1-1-3 AS PER GOC (KHUFF-C7).</b>	<b>255 KM FROM DHARHAN MAIN GATE</b>	<b>21.6</b> (02/05/2023@1300)	
Prev. Depth <b>11900</b>	Liner Size <b>7</b>	TOL <b>9153</b>	MD <b>12250</b>	TVD <b>12250</b>	Last Csg Size <b>9 5/8</b>

Hrs (From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations	
								Start	End	Start	End				
<b>02.0</b> 0500 - 0700	<b>0-1-1-2</b>	<b>3 5/8</b>	<b>N</b>	<b>DRLG</b>	<b>TI</b>	<b>CTBG</b>	<b>RIG</b>	<b>13503</b>	<b>13503</b>	<b>5000</b>	<b>11650</b>	<b>BHA</b>	<b>909642</b>	<b>CONTINUE TO RIH WITH BHA#9:</b>	<b>~ WEIGHT CHECK AND TOOL CHECK EVERY 3,000 FT.</b>
															<b>~ CORRELATE WITH GR @11,200 FT (-21 FT).</b>
															<b>~ WT CHECK AT 11,600'; 55 UP/ 46 DN.</b>
															<b>~ PASS THROUGH WINDOW WITH NO ISSUE.</b>
															<b>** OBSV GR FAILURE, NO RESPONSE ON DGS.</b>
<b>04.0</b> 0700 - 1100	<b>0-1-1-2</b>	<b>3 5/8</b>	<b>N</b>	<b>DRLG</b>	<b>TO</b>	<b>CTBG</b>	<b>RIG</b>	<b>13503</b>	<b>13503</b>	<b>11650</b>	<b>0</b>	<b>BHA</b>	<b>909644</b>	<b>POH TO SURFACE TO CHANGE BHA, TAG STRIPPER (SIWP: 0 PSI).</b>	<b>~ L/D LUBRICATOR RECOVER BHA #8, LOAD BHA#9.</b>
<b>01.0</b> 1100 - 1200	<b>0-1-1-2</b>	<b>3 5/8</b>	<b>N</b>	<b>DRLG</b>	<b>HT</b>	<b>BHA</b>	<b>RIG</b>	<b>13503</b>	<b>13503</b>			<b>BHA</b>	<b>909644</b>	<b>PJSM/PTW, UN-DEPLOY BHA #8 (APP), SIWHP @ 0 PSI.</b>	<b>~ INSPECT 20 FT COIL. MIN THICKNESS: 0.190".</b>
															<b>~ BHI CHANGE FLOW SUB.</b>
<b>01.0</b> 1200 - 1300	<b>0-1-1-2</b>	<b>3 5/8</b>	<b>N</b>	<b>DRLG</b>	<b>HT</b>	<b>BHA</b>	<b>RIG</b>	<b>13503</b>	<b>13503</b>			<b>BHA</b>	<b>909644</b>	<b>HPJSM, DEPLOY BHA#9 WITH RR HUGHES BIT (SN:7916937) AND RR 1 DEG AKO MOTOR (SN:13153838); WHP = 0 PSI.</b>	
<b>03.5</b> 1300 - 1630	<b>0-1-1-2</b>	<b>3 5/8</b>	<b>N</b>	<b>DRLG</b>	<b>TI</b>	<b>CTBG</b>	<b>RIG</b>	<b>13503</b>	<b>13503</b>	<b>0</b>	<b>11650</b>	<b>BHA</b>	<b>909644</b>	<b>RESET DEPTH AND RIH WITH BHA#9:</b>	<b>~ PACK COIL WITH 10 GPM.</b>
															<b>~ PUMP INTERNAL INHIBITOR.</b>
															<b>~ OPEN WELL AT 1,000'.</b>
															<b>~ WEIGHT CHECK AND TOOL CHECK EVERY 3,000 FT.</b>
															<b>~ CORRELATE WITH GR @11,200 FT (-17 FT).</b>
															<b>~ WT CHECK AT 11,600'; 55 UP/ 46 DN.</b>
															<b>** GRMD CALLED EARLY TD DUE TO LACK OF DEVELOPMENT AND GAS CONTRIBUTION</b>
<b>00.5</b> 1630 - 1700	<b>0-1-1-2</b>	<b>3 5/8</b>	<b>N</b>	<b>DRLG</b>	<b>TI</b>	<b>CTBG</b>	<b>RIG</b>	<b>13503</b>	<b>13503</b>	<b>11650</b>	<b>11890</b>				<b>CONT RIH WITH BHA#9:</b>
															<b>~ PACK COIL WITH 10 GPM.</b>
															<b>~ WASH DOWN TO ST DEPTH.</b>
<b>01.0</b> 1700 - 1800	<b>0-1-1-2</b>	<b>3 5/8</b>	<b>N</b>	<b>DRLG</b>	<b>RW</b>	<b>BIT</b>	<b>RIG</b>	<b>13503</b>	<b>13503</b>	<b>11890</b>	<b>11900</b>				<b>TROUGH FROM 11,890 FT MD TO 11,900 FT MD AT 10 FT/HR AS PER BHI.</b>
<b>00.0</b> 1800 - 1800	<b>0-1-1-3</b>	<b>3 5/8</b>	<b>S</b>	<b>OT</b>	<b>TINL</b>	<b>NA</b>	<b>RIG</b>	<b>11900</b>	<b>11900</b>						<b>TIE-IN NEW LATERAL L-1-1-3.</b>
<b>10.5</b> 1800 - 0430	<b>0-1-1-3</b>	<b>3 5/8</b>	<b>N</b>	<b>DRLG</b>	<b>DMS</b>	<b>MMOT</b>	<b>BHI</b>	<b>11900</b>	<b>11950</b>						<b>INITIATE &amp; TIME DRILL SIDETRACK L 1-1-3 W/ MOTOR BHA AS PER BHI.</b>
															<b>~ PUMP @ 88 GPM, RPM @ 165 RPM, CIRC PRESSURE @ 2060 PSI. WOB @ 2 KLB.</b>
															<b>~ BHP @ 5176 PSI, DIFF PRESSURE @ 302 PSI, WHP @ 6 PSI, TCA @ 0 PSI, DTF @ 234 DEG F.</b>
															<b>~ GR @ 0 MMSCFD. H2S @ 0.0%, CO2@ 0 % (TREATMENT: SAMA SCAF 0.0 BPH; CAUSTIC @ 0.0 PAIL/HR).</b>
															<b>~ PUMP 3 BBLS SWEEP EVERY HR, RG @ 0%.</b>
<b>00.5</b> 0430 - 0500	<b>0-1-1-3</b>	<b>3 5/8</b>	<b>N</b>	<b>DRLG</b>	<b>RW</b>	<b>BIT</b>	<b>RIG</b>	<b>11950</b>	<b>11950</b>	<b>11920</b>	<b>11890</b>				<b>** ST CONFIRMED AT 11,915' WITH NBI &amp; WOB.</b>
															<b>WASH/REAM SIDETRACK INTERVAL AT VARIOUS TOOLFACES.</b>

Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
										<b>ERRATIC DIFF W/ FLUCTUATING INT BHP.</b>

<b>26 Feb 1900 - 0700</b>	2	12	909642		BHA	FOT	MMOT	BHI	13503	OBSV NO VIB. OBSV RUBBER PIECES AT SFC. MOTOR FAILURE.
<b>27 Feb 0700 - 1630</b>	9.5	9.5	909644		BHA	FOT	MWD	BHI	11650	OBSV GR FAILURE, NO RESPONSE ON DGS.

**SGA #1: 1000 M NW FROM LOCATION ON SKID ROAD.**

**SGA #2: 1000 M NE FROM LOCATION ON SKID ROAD**

**~ ELEVATIONS: ODF ADC-15: 33 FT, BCTD-3 DF 37.64 FT, CORRECTION: -4.64 FT.**

## **COIL STRING #39959-1 (TENARIS 0.204" HT-110 MONOBORE):**

- COIL LENGTH: 17,980 FT, E-LINE (CAMENSA) LENGTH: 18,252 FT, SLACK 1.51%, VOL: 67 BBLS. HIGHEST FATIGUE PT: 9.1% @ 11825'
  - TTL DRILLED FOOTAGE: 4644 FT; DAILY RUN FOOTAGE: 21790 FT; ACCUM RUNNING FOOTAGE: 135890 FT.
  - TRIPS F/ LAST SLACK MGT: 9

## **GENERAL WELL INFO:**

- GAS: DAILY FLARED @ 0 MMSCF (TTL: 18.54 MMSCF).
  - CONDI: DAILY PRODUCED: 0 BBLS (TTL: 0 BBLS). TTL FLARED: 0 BBLS.
  - N2 ONSITE: 16000 GAL; DAILY USED: 2000 GAL; TTL TO DATE: 143000 GAL.
  - AV IN 7" CSG @ 55 FPM, CTR @ 0.30. AV IN 4"1/2 TBG @ 233 FPM, CTR @ 0.83; AV IN OH @ 303 FPM, CTR @ 0.87.

## BHA #8: (MOTOR BHA):

- RR HUGHES PDC (SN: 7916937) & 1.0 DEG AKO MOTOR (SN: 13153838) M1XLS.
  - GR @ 29.86 FT, D+I @ 33.37 FT, DPS @ 38.34 FT, ED @ 49.83 FT, NBI @ 20.31 FT, CCL @ 52.14 FT.

## BHA #9: (MOTOR BHA):

- RR HUGHES PDC (SN: 7916937) & 1.0 DEG AKO MOTOR (SN: 13153838) M1XLS.
  - GR @ 29.86 FT, D+I @ 33.37 FT, DPS @ 39.47 FT, ED @ 52.25 FT, NBI @ 20.06 FT, CCL @ 52.35 FT.

## LATERAL INFO:

- L-0-1-1 (KHFF-C2) @ 300 DEG AZ W/ RATHOLE: 2,141 FT.
  - L-1-1-1 (KHFF-C4/5) @ 300 DEG AZ: 890 FT.
  - L-1-1-2 (KHFF-C4/5) @ 300 DEG AZ: 1563 FT.
  - L-1-1-3 (KHFF-C7) @ 300 DEG AZ: 50 FT.

## **SERVICE SUPPORT: EQUIPMENT/PERSONNEL:**

- DRSS#1003830274 (ENJAZ) PLATE #: (4523, 4670, 3772, 3386); & DRSS#1003830276 (ENJAZ) PLATE#: (6410, 3799, 3369, 4760).
  - VACUUM TRUCKS: 8, DAILY LOADS HAULED: 13, TOTAL DAILY VOLUME: 1846 BBLS; TTL: 255 LOADS HAULED.

## **~ DRILLS:**

## **~ PRE-TOURS:**

**~ NEW FOREMAN MEHMET ARSLAN # 897208 ON LOCATION SINCE 2/17/2023.**

## **NEXT LOCATIONS:**

- HRDH-1910: PRE-WORKOVER MEETING CONDUCTED ON 27 DECEMBER 2022. 100% CIVIL WORK PROGRESS.
  - HWYH-946: PRE-WORKOVER MEETING CONDUCTED ON 2/15/23. 0% CIVIL WORK PROGRESS.
  - HWYH-1255: PRE-WORKOVER MEETING CONDUCTED ON 2/15/23. 0% CIVIL WORK PROGRESS.
  - HWYH-1138: PRE-WORKOVER MEETING CONDUCTED ON 2/15/23. 0% CIVIL WORK PROGRESS.

## Remarks

DRILL STRING	BHA Hrs:																	
	String Wt.	Pick Up	Slack Off	52	Rot. Torque		Jars:	Serial #/Hrs	/	Shock Sub:	/	Mud Motor:	/	/				
	Float	Y																
	BHA Hrs:																	
	String Wt.	Pick Up	Slack Off	54	Rot. Torque		Jars:	Serial #/Hrs	/	Shock Sub:	/	Mud Motor:	/	/				
	Float	Y																
	BHA Hrs:																	
	String Wt.	Pick Up	Slack Off	51	Rot. Torque		Jars:	Serial #/Hrs	/	Shock Sub:	/	Mud Motor:	/	/				
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
	1	Bit			HTC	3.625	1	3.625		0.92	REG					7916937		
2 Mud Motor															15043135			
3 Crossover															15632588			
4 Float Sub															15873830			
5 Hydraulic Power Controller															14321285			
6 Gamma Sub															14211798			
7 Drilling Performance Sub															14612031			
8 Electronic Disconnect & Circulating Sub															14642566			
9 Power & Communication Sub															14640253			
10 Dual Ball Valve Sub															13810023			
11 Lower Quick Connect															10330948			
12 Upper Quick Connect & Flow Sub															13684923			
13 Coil Tubing Connector															15732326			
14 Coil Tubing																		

Miscellaneous	BOP Test 02/18/2023	BOP Drills	Wind	Sea	Weather	DSLTA 4265	Safety Meeting								
	Real-Time Data Quality														
Personnel and Services Information	COMPANY	OTH	BHO	BHI	RUE	BHO	RIG	ARM	BCT	HUD	OTH	ARM			Total 93
	CATEGORY	CTRG	COIL	DPDS	H2S	IOS	OTHR	OTHR	SFS	UBD	VAC	WSC			
	NO. OF PERSONS	21	15	4	7	14	5	1	4	11	8	3			
	OPERATING HRS.	0	24	24	24	24	24	24	24	24	24	24			
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24			
Trucks/Boats	Standby/Tankers <b>AB-6926</b>														
BULK	Drill Wtr.-BBLS <b>481</b>	Pot Wtr.- BBLS <b>362</b>	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX									
REPAIR ASAP	Instrumentation	Other													Reporter
	Computer, Communication & V-Sat Issues <b>RIG PRINTER. NEEDED ASAP TICKET# 2001151343</b>														

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D&WO Morning Report (Service Providers View)  
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Daily Onshore  
(0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>GZLN-1 (RE-ENTER &amp; DRILL 2 LATERALS ACROSS THE UNZC RESERVOIR.)</b> Charge (71- 23881- #: 0001) Wellbores: (0- 1) GZLN_1_1	Rig <b>BCTD-4</b>	Foreman(s) <b>DAHLBERG, DANIEL LEE/ ALZOWAYED, ALAA JASSIM/</b> Engineer Superintendent <b>ALMULHIM, ABDULLAH ADNAN/ KHAMEES, SHAKER ABDUL MAJEED</b>	THURAYA <b>008821677712530</b>	RIG FORMAN VSAT <b>0135773906</b>	OTHER VSAT <b>0135105566</b>	CONTRACTOR/CLERK VSAT <b>0138756424</b>
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Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops		
<b>15293</b>	<b>GENERAL RU ALL SERVICES, PRE-ACCEPTANCE HYDRO TESTING BOPE &amp; UBD EQUIPMENT.</b>	<b>PRE-ACCEPTANCE HYDRO / N2 PRESSURE MAIN GATE TESTING.</b>	<b>361 KM FROM DH</b>	<b>0.0 (@)</b>			
Prev. Depth <b>15293</b>	Liner Size <b>4 1/2</b>	TOL <b>12324</b>	MD <b>15290</b>	TVD <b>14394</b>	Last Csg Size <b>9 5/8</b> MD <b>96559655</b> TVD <b>0</b>	Footage <b>0</b>	Circ % <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
11.5	0500 - 1630	0-1		N	RM	RU	NA	RIG	15293	15293			<b>PJSM, GENERAL RIG UP ALL SERVICES</b>  ~ LP RIG UP LUBRICATORS & TIGHTEN BOLTS. ~ HES SPOT & RIG IN DIESEL DRIP SYSTEM. ~ HES RAISE FLARE STACK. ~ ARAMCO FSU GREASE ALL PRODUCTION TREE VALVES & LMMV. ~ HES & RIG CREW GREASE & CYCLE ALL SURFACE VALVES FOR TESTING. ~ WATER LINE CREW COMPLETED TIE IN TO RIG FRAC TANKS & FUNCTION TEST WATER WELL - GOOD.			
04.5	1630 - 2100	0-1		N	RM	OTH	NA	RIG	15293	15293			<b>PJSM: PERFORM SLACK MANAGEMENT.</b>  ~ INSTALL CROSS-OVER ON END OF CT & CONNECT SM HP LINE TO CT. ~ LINE UP TO SM LINE & FILL CT WITH 64 BBL FRESH WATER AT 2.5 BPM. ~ INCREASE PR TO 3.5 BPM FOR 1.5 X CT VOLUME (96 BBL) PUMP PRESSURE 4,540 PSI. ~ RU & TEST N2 UNIT AND GROUND IRON. ~ CUT COIL: 176 FT & E-LINE: 3 FT. ~ NEW COIL LENGTH: 17,744 FT. E-LINE: 18,166 FT ; SLACK: 2.38% ; CAPACITY: 63 BBL. ~ BHI MU PERMANENT COIL CONNECTOR. ~ PULL TEST TO 40 KLBS, OK.			
08.0	2100 - 0500	0-1		N	RM	OTH	NA	RIG	15293	15293			<b>PJSM: HYDRO TEST BOPE &amp; UBD FLOW PACKAGE (APP), REPAIR LEAKS AS REQUIRED.</b>  ~ 10K EQUIPMENT: 300/9,500 PSI. ~ ANNULAR: 300/7,000 PSI. ~ LUBRICATOR: 300/7,000 PSI. ~ COLD FLARE LINE: 300/1,200 PSI. ~ HYDRO TEST UB FLOW PACKAGE APP TO RATED PRESSURES (LOW/HIGH). VESSELS: ~ HPRT: 1500 PSI. ~ 1 & 2 STAGE SEPARATORS: 40/185 PSI. ~ SKIM VESSEL & CONDI VESSEL.  <b>ONGOING AT RPT</b>			

~ ELEVATIONS: ODF (SND-2003) 38 FT, BCTD-4 INSITU-SUB: FT (CORRECTION: FT).  
~ SGA #1 500 M NORTH, SGA #2 500 M SOUTH.

COIL #39798-1WL (MONOBORE 0.204" HT110 GRADE), LENGTH: 17,744 FT, E-LINE LENGTH: 18,166 FT.

~ MAX FATIGUE: 12.5% AT 15,025 FT, SLACK: 2.38%, CT CAP: 63 BBL.  
~ DRILL FOOTAGE: 2,644 FT, DAILY CT RUNNING FOOTAGE: 293 FT, TOTAL RUNNING FOOTAGE: 218,777 FT.  
~ TRIPS SINCE LAST SLACK MANAGEMENT: 13.

500 HRS:

~ FLARED GAS: 0 MMSCF, (TTL: 0 MMSCF).  
~ CONDENSATE FLARED: PAST 24 HRS: 0 BBLS (TTL: 0 BBLS).  
~ H2S: 0 %, CO2: 0 %.

- ~ CLAY-WEB DAILY USAGE: 0 GAL, TOTAL: 0 GAL.  
 ~ CHLORIDE AT 0 PPM.  
 ~ N2: ON LOCATION: 22,000 GAL. 24 HOUR USEAGE: 0 GAL (TTL: 0 GAL).

#### LATERAL FOOTAGE:

- ~ LAT L 0-2 (UNZC)

\*\* KSAB-1 CIVIL WORK: 0%

~ SITE VISIT: 1/23/2023

\*\* WAQR-24 CIVIL WORK: 20%

~ SITE VISIT: 2/20/2023

#### SAFETY DRILLS:

\*\* DAYS SINCE RELEASED: 5.5 DAYS.

#### Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS					
MUD DATA														
MUD TREATMENT														
BIT DATA														
DRILL STRING														
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #														
Miscellaneous	BOP Test	BOP Drills	Wind	Sea	Weather	SEASONAL	DSLTA	Safety Meeting						
	Real-Time Data Quality				No Transmission									
Personnel and Services Information	COMPANY	BHO	OTH	BHI	RIG	RUE	BHO	BHO	BQM	RIG	BHO	TK2	ARM	Total 94
	CATEGORY	PCS	CTRG	DPDS	RIG	H2S	IOS	MED	MEON	OTHR	UBD	WSC	WSC	
	NO. OF PERSONS	8	21	5	6	6	13	1	7	8	16	1	2	
	OPERATING HRS.	0	0	0	0	0	0	0	0	0	0	0	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24	24	
	Standby/Tankers													
Trucks/Boats		<b>AB-6429</b>												
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX								
REPAIR ASAP	Instrumentation	Other												Reporter
	Computer, Communication & V-Sat Issues													

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>MRJN-857 (OIL PRODUCER)</b> Charge #: <b>(66- 22073-0857)</b> Wellbores: (1) MRJN_857_1	Rig <b>BOR-1</b>	Foreman(s) <b>ALIBASJAH WIRAAATMAJA, IMRAN DERMAWAN</b> Engineer <b>BAYAT, AHMED HAIDER/</b> Superintendent <b>HARBI, SALEH MOHAMMAD</b>		
		THURAYA <b>008821677714132</b>	RIG FORMAN VSAT <b>0136739926</b>	OTHER VSAT <b>0136739927</b>	CONTRACTOR/CLERK VSAT <b>0136739929</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>8275</b>	<b>RIH WITH 7" BAKER LINER ASSY., SET LINER, PERFORM LINER CEMENT JOB, SET BOT LINER TOP PACKER, POOH WITH BOT LINER RUNNING TOOL AND L/D SAME.</b>	<b>CHANGE RAM, BOP TEST, RIH W/ CLEANOUT ASSY WHILE P/U 4" PIPE, DRILL FLOAT EQUIPMENT AND CEMENT.</b>	<b>MRJN FIELD PLATFORM 851/859 2000 PF</b>	<b>69.9 (12/27/2022 @ 1500)</b>	<b>DMMM 1987 1977' TVD RUS 2803 2781' TVD UMER 3000 2974' TVD ARUM 4998 4849' TVD LAMS 5727 5467' TVD LHHR 6003 5698' TVD AHMD 6207 5855' TVD CPCK 6228 5872' TVD WARA 6549 6130' TVD SFNY 6841 6347' TVD SFNR 6964 6431' TVD SFBR 7146 6577' TVD KHFJ 7197 6577' TVD DAIR 7476 6717' TVD MJ02 7550 6747' TVD</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>8275</b>	<b>7</b>	<b>6336</b>	<b>8270</b>	<b>6881</b>	<b>9 5/8</b>	<b>65636141</b>		<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
00.2	0500 - 0515	1	8 1/2	N	CSG	RCSG	HGRL	BLH	8275	8275	2221	2602	RIH WITH 7" X 9-5/8" BAKER CSFL LINER HANGER ASSEMBLY ON 5-1/2" HWDP.
04.5	0515 - 0945	1	8 1/2	N	CSG	RCSG	HGRL	BLH	8275	8275	2602	6476	RIH WITH 7" X 9-5/8" BAKER CSFL LINER HANGER ASSEMBLY ON 5-1/2" DP. FILL UP STRING EVERY 15 STANDS.
01.2	0945 - 1100	1	8 1/2	N	CSG	CIRC	MPMP	RIG	8275	8275			RECORD P/U AND S/O WEIGHT. PERFORM CIRCULATION BOTTOMS UP AND RECORD PARAMETER.
01.5	1100 - 1230	1	8 1/2	N	CSG	RCSG	HGRL	BLH	8275	8275	6476	8000	RIH WITH 7" X 9-5/8" BAKER CSFL LINER HANGER ASSEMBLY ON 5-1/2" DP.
02.0	1230 - 1430	1	8 1/2	N	CSG	RCSG	HGRL	BLH	8275	8275	8000	8275	OBSERVE OBSTRUCTION. RIH WITH 7" X 9-5/8" BAKER CSFL LINER HANGER ASSEMBLY ON 5-1/2" DP WHILE WASH DOWN AND ROTATE STRING.
00.5	1430 - 1500	1	8 1/2	N	CSG	HT	PEL	RIG	8275	8275			TAG BOTTOM AT 8275 FT. SPACE OUT AND MAKE UP BAKER CEMENT HEAD.
02.0	1500 - 1700	1	8 1/2	N	CSG	CIRC	MPMP	RIG	8275	8275			CIRCULATE HOLE AND CONDITION MUD.
02.5	1700 - 1930	1	8 1/2	N	CSG	SET	HGRL	BLH	8275	8275	6336	8270	BAKER DROP FIRST BALL TO SET LINER AND DROP SECOND BALL TO RELEASE THE RUNNING TOOL. PICK UP AND POSITION THE RUNNING TOOL FOR CEMENT JOB.
03.0	1930 - 2230	1	8 1/2	N	CSG	CMC	LINR	HCM	8275	8275			HPJSM. COMMENCE CEMENT JOB AS FOLLOWS: - SLB FLUSH SURFACE LINES AND PRESSURE TEST TO 5000 PSI. - RIG PUMP 100 BBLS 105 PCF SLB SPACER - SLB PUMP 74 BBLS 118 PCF CEMENT SLURRY - BAKER RELEASE DART FLAG SUB. - SLB PUMP 5 BBLS 118 PCF CEMENT SLURRY FOLLOW BY - 20 BBLS 105 PCF SLB SPACER - 30 BBLS 94 PCF OBM - 30 BBLS 105 PCF SLB SPACER - 106 BBLS 94 PCF OBM (WIPER PLUG RELEASE AT 4500 PSI). - BUMP PLUG AT 2000 PSI.
02.5	2230 - 0100	1	8 1/2	N	CSG	CIRC	MPMP	RIG	8275	8275			SET BAKER LINER TOP PACKER AND REVERSE CIRCULATE FOR 3 X STRING VOLUME. OBSERVE 25 BBLS CEMENT ON SURFACE.
00.5	0100 - 0130	1	8 1/2	N	CSG	HT	PEL	RIG	8275	8275			R/D SURFACE LINES AND CEMENT HEAD.
03.5	0130 - 0500	1	8 1/2	N	CSG	RCSG	STRG	RIG	8275	8275	6300	705	POOH WITH BAKER 7" X 9-8" CSFL LINER HANGER RUNNING TOOL ON 5-1/2" DP.

DRILLING THE 12-1/4" AND 8-1/2" PH TO TOTAL DEPTH (TD) OF +/- 10,489' MD / 9,295' TVD ACROSS ARAB-B RESERVOIR AND TO PLUG BACK THE PILOT HOLE SECTION

=====DRILLS=====

- PIT AND TRIP DRILLS: N/A

- FIRE DRILL: 5-FEB-2023

- H2S DRILL: 19-FEB-2023

- ABANDON DRILL: 19-FEB-2023

- DISCUSS LATEST ALERTS WITH CREW.

===== 16" BATCH DRILLING SEQUENCES =====

- \* MRJN-854 SUSPENDED FOR 12-1/4" SECTION.
- \* MRJN-856 SUSPENDED FOR 12-1/4" SECTION
- \* MRJN-855 SUSPENDED FOR 12-1/4" SECTION
- \* MRJN-857 CURRENT WELL 12-1/4" SECTION
- \* MRJN-859 SUSPENDED FOR 12-1/4" SECTION

=====CURENT LOCATION=====

LOCATION: MRJN-851/859, 2000 PF

LATITUDE: 28 DEG 31.48 N

LONGITUDE: 049 DEG 38.28 E

HEADING = 328.5 DEG

WATER DEPTH = 170 FT

RKB TO PLATFORM = 69 FT

RKB TO MUD LINE= 278.26 FT

AIR GAP = 45 FT

FINAL LEG PENETRATION: BOW - 12FT, STBD - 12.8FT, PORT - 11.7FT

===== PERSONNEL =====

- MATERIAL EXPEDITOR HARSHAA, FAHAD #8380678 ONBOARD SINCE 02/10/2023.

=====WAIT ON=====

WAIT ON WEATHER: DAILY 0 HRS / TOTAL 0 HRS.

=====RENTAL TOOLS=====

\* 6-1/2" TAQA JAR SN#TOOLD16-650549 ON BOARD SINCE 26-JAN-2023.

\* 6-3/4" WEATHERFORD PBL SN#SSBPM675SBP243 ON BOARD.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight <b>93</b> PCF	Funnel Vis. <b>59</b> SEC	Filtrate(WL) <b>1.8</b> HTHP	Filtrate (WL) API	PV <b>24</b>	YP <b>21</b>	Electrical Stability <b>709</b> Volts	3/6 RPM <b>10 / 12</b>	Gels Sec/Min <b>11 / 13</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>53000</b>			
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>19</b>	Oil Vol. % <b>60</b>	Solids Vol. % <b>21</b>	Sand Vol. % <b>0</b>	% LGS <b>3.39</b>	MBT <b>0</b>	Mud type <b>RELIANT</b>		Water Well #			
	Weight <b>94</b> PCF	Funnel Vis. <b>58</b> SEC	Filtrate(WL) <b>1.6</b> HTHP	Filtrate (WL) API	PV <b>24</b>	YP <b>22</b>	Electrical Stability <b>718</b> Volts	3/6 RPM <b>10 / 12</b>	Gels Sec/Min <b>11 / 14</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>53000</b>			
	FL Temp <b>122</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>19</b>	Oil Vol. % <b>60</b>	Solids Vol. % <b>21</b>	Sand Vol. % <b>0</b>	% LGS <b>3.39</b>	MBT <b>0</b>	Mud type <b>RELIANT</b>		Water Well #			
MUD TREATMENT	<b>VG-PL</b> <b>(50LB)</b>														
BIT DATA	Bit Number <b>10</b>	IADC <b>M223</b>	Size <b>8.5</b>	Manufacturer <b>ULTR</b>	Serial Number <b>59213</b>	Type <b>U616M</b>	Jets <b>/</b>	TFA <b>6729</b>	MD In <b>8275</b>	MD Out	TVD Out				
	Feet <b>20</b>	Hours <b>140</b>	WOB <b>1</b>	RPM <b>1</b>	I-Row <b>WT</b>	O-Row <b>A</b>	G <b>X</b>	DC <b>2586</b>	Loc <b>600</b>	Pressure <b>350.14</b>	GPM <b>0</b>	Jet Vel <b>6729</b>	DP Av	DC Av	
	Bit Number <b>9</b>	IADC <b>437</b>	Size <b>8.5</b>	Manufacturer <b>HTC</b>	Serial Number <b>Z461YT</b>	Type <b>VMAS09H / 3 X 20 /</b>	Jets <b>0.92</b>	TFA <b>6579</b>	MD In <b>6579</b>	MD Out	TVD Out				
	Feet <b>14</b>	Hours <b>0</b>	WOB <b>1</b>	RPM <b>1</b>	I-Row <b>WT</b>	O-Row <b>A</b>	G <b>N</b>	DC <b>1400</b>	Loc <b>400</b>	Pressure <b>140</b>	GPM <b>233.43</b>	Jet Vel <b>6729</b>	DP Av	Bit HHP	
DRILL STRING	Float <b>Y</b>	BHA Hrs:													
	String Wt. <b>225</b>	Pick Up <b>234</b>	Slack Off <b>200</b>	Rot. Torque <b>8000</b>			Jars: Serial #/Hrs	/		Shock Sub:	/		Mud	/	
	Float <b>Y</b>	BHA Hrs:													
	String Wt. <b>225</b>	Pick Up <b>234</b>	Slack Off <b>200</b>	Rot. Torque <b>8000</b>			Jars: Serial #/Hrs	/		Shock Sub:	/		Motor	/	
	Order <b>Component</b>	Provider <b>Provider</b>	Nominal Size <b>Nominal Size</b>	# Joints <b># Joints</b>	OD Size <b>OD Size</b>	ID Size <b>ID Size</b>	Length <b>Length</b>	Top Thread <b>Top Thread</b>	Bottom Thread <b>Bottom Thread</b>	Weight <b>Weight</b>	Grade <b>Grade</b>	Class <b>Class</b>	Serial # <b>Serial #</b>		
	BOP Test <b>02/12/2023</b>	BOP Drills <b>DAILY</b>		Wind <b>ENE 15 - 17 KNTS</b>			Sea <b>2 FT</b>	Weather <b>SEASONAL</b>		DSLTA	Safety Meeting <b>TOURLY</b>				
Miscellaneous	Real-Time Data Quality			Sensors Quality			100%	Data Frequency		100%	Real-Time Hrs		11.49/24 hrs		
Personnel and Services Information	COMPANY		FMC <b>CSR</b>	A20 <b>CTR</b>	BHI <b>DPDS</b>	RIG <b>RIG</b>	BDF <b>DFMS</b>	SMI <b>DFMS</b>	BLH <b>LHES</b>	ARM <b>OTHR</b>	SCM <b>PCS</b>	MI2 <b>SCS</b>	ARM <b>WSC</b>	Total <b>80</b>	
	CATEGORY														
	NO. OF PERSONS		<b>2</b>	<b>12</b>	<b>3</b>	<b>54</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>		
	OPERATING HRS.		<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>24</b>	<b>12</b>	<b>24</b>	<b>12</b>	<b>12</b>		
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>		
Trucks/Boats	Standby/Tankers <b>TOPAZ KHUWAIR</b>														
BULK	Drill Wtr.-BBLS <b>649</b>	Pot Wtr.- BBLS <b>616</b>	Fuel- BBLS <b>1536</b>	Barite- SX <b>5663</b>	Bentonite - SX <b>0</b>	Cement G- SX <b>3894</b>									
REPAIR ASAP	Instrumentation Computer, Communication & V-Sat Issues													Reporter	



D&WO Morning Report (Service Providers View)  
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 Daily Offshore  
 (0500-0500) Saudi Aramco

Date	Well No (Type) :	Rig	Foreman(s)	MAJDI, SULAIMAN AL HASSAN/ ALMOSALAM, ASEM ABDULAZIZ/ ALSHEHRI, SAAD KHALID/ HARBI, SALEH MOHAMMAD			
MONDAY 02/27/2023	RBYN-113 (SINGLE LATERAL HORIZONTAL WATER INJECTOR) Charge (66- 22062- #: 0113) Wellbores: (0) RBYN_113_0	BOR-2	Engineer Superintendent	TURAYA 008821677714131	RIG FORMAN VSAT 673-9920	OTHER VSAT 673-9919 (HSE/DE)	CONTRACTOR/CLERK VSAT 673-9917 (RADIO ROOM)
							CONTRACTOR/CLERK VSAT 673-9921 (CLERK)

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops					
9305	CHC, POOH WITH BHA, RU & RUN RUN 9-5/8" CASING, 1ST STAGE CMT, WOC, SET 9-5/8" CASING.	SLIPS, 2NF STAGE CMT	RBYN-110/119	19.5 (02/20/2023@0700)	RUML 5136 6 FT TVD SHALLOWER AHMD 5266 11 FT TVD DEEPER CPCK 5350 8 FT TVD DEEPER WARA 5523 4 FT TVD DEEPER MDDD 5695 6 FT TVD SHALLOWER					
Prev. Depth	9305	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
				13 3/8	54194854	0				100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations					
									Start	End	Start	End						
01.0	0500 - 0600	0	12 1/4	N	DRLG	TO	STDPA	RIG	9305	9305	7210	6303	WIPER TRIP WITH SLB ASSY RSS/MWD/SLB RHINO REAMER ON 5-1/2" DP					
01.5	0600 - 0730	0	12 1/4	N	DRLG	CIRC	MPMP	RIG	9305	9305			OBSERVED 25 KLBS OVERPULL AT 6,303 FT. MU TDS AND PUMPED SWEEP AND CIRCULATED HOLE CLEAN.					
01.2	0730 - 0845	0	12 1/4	N	DRLG	TO	STDPA	RIG	9305	9305	6303	5410	WIPER TRIP WITH SLB ASSY RSS/MWD/SLB RHINO REAMER ON 5-1/2" DP					
00.2	0845 - 0900	0	12 1/4	N	DRLG	CIRC	MPMP	RIG	9305	9305			FLOW CHECKED, STATIC.					
00.5	0900 - 0930	0	12 1/4	N	DRLG	RR	TDS	RIG	9305	9305			SERVICED TDS.					
03.2	0930 - 1245	0	12 1/4	N	DRLG	TI	STDPA	RIG	9305	9305	5410	9305	RIH FREELY WITH SLB ASSY RSS/MWD/SLB RHINO REAMER ON 5-1/2" DP. WASHED LAST STAND TO BOTTOM.					
03.8	1245 - 1630	0	12 1/4	N	DRLG	CIRC	MPMP	RIG	9305	9305			PUMPED SWEEPS AND CIRCULATED HOLE CLEAN, SPOT 500 BBL OF CSG GO-PILL. FLOW CHECKED, STATIC.					
02.8	1630 - 1915	0	12 1/4	N	DRLG	TO	STDPA	RIG	9305	9305	9305	5410	POOH WITH 12.25" SLB ASSY RSS/MWD/SLB RHINO REAMER ON 5-1/2" DP TO SHOE.					
00.5	1915 - 1945	0	12 1/4	N	DRLG	CIRC	MPMP	RIG	9305	9305			FLOW CHECK, WELL STATIC, PUMP SLUG.					
02.0	1945 - 2145	0	12 1/4	N	DRLG	TO	STDPA	RIG	9305	9305	5410	770	POOH WITH 12.25" SLB ASSY RSS/MWD/SLB RHINO REAMER ON 5-1/2" DP.					
00.2	2145 - 2200	0	12 1/4	N	DRLG	CIRC	MPMP	RIG	9305	9305			FLOW CHECK, WELL STATIC.					
00.2	2200 - 2215	0	12 1/4	N	DRLG	TO	STDPA	RIG	9305	9305	770	376	POOH WITH 12.25" SLB ASSY RSS/MWD/SLB RHINO REAMER ON 5-1/2" HWDP.					
02.0	2215 - 0015	0	12 1/4	N	DRLG	HT	BHA	RIG	9305	9305			POH & RACK BACK 12-1/4" SLB RSS/MWD ASSY.					
00.5	0015 - 0045	0	12 1/4	N	WH	RTRV	WBSH	RIG	9305	9305			RIH WITH FMC 13-5/8" RETRIEVER TOOL & RETRIEVE WEAR BUSHING. LD SAME.					
01.5	0045 - 0215	0	12 1/4	N	CSG	HT	PEL	FMC	9305	9305			HPJSM; R/U FRANKS CASING HANDLING EQUIPMENT AND CRT.					
00.2	0215 - 0230	0	12 1/4	N	CSG	PJSM	CSG	RIG	9305	9305			HPJSM W/ALL PERSONAL INVOLED WITH 9 5/8" CSG RUNNING OPERATIONS.					
01.2	0230 - 0345	0	12 1/4	N	CSG	RCSG	CSTR	FMC	9305	9305	0	206	P/U AND M/U 9-5/8" SHOE TRACK (F.S,2 X CSG JTS, F.C, 3 X CSG JTS), CHECKED FLOAT EQUIPMENT, THREAD-LOCK AND TACK WELDED FIRST 5 JOINTS.					
01.2	0345 - 0500	0	12 1/4	N	CSG	RCSG	CSTR	FMC	9305	9305	206	810	RIH 9-5/8",40# J-55 BTC FBE-EPC ON FRANKS CRT. FILLING EVERY JOINT...INC@RPT					

RBYN-113 WILL BE DRILLED AS A SINGLE LATERAL HORIZONTAL WATER INJECTOR TARGETING SAFANYIA RESERVOIR TO A TOTAL DEPTH OF +/- 14,246 FT MD WITH +/-3,000 FT OF RESERVOIR CONTACT.

#### CURRENT LOCATION=====

LOCATION : RBYN-110/119 PF

LATITUDE: 28 DEG 13.58 N

LONGITUDE: 049DEG 02.16 E

HEADING = 338 DEG

WATER DEPTH = 64 FT

RKB TO MUD LINE= 182 FT

AIR GAP = 54 FT

FINAL LEG PENETRATION: 5.7 FT BOW LEG - 7.1 FT PORT LEG - 7.2 FT STARBOARD LEG.

#### RBYN-110/119 PF WELL STATUS=====

BATCH DRILL:

RBYN-111: COMPLETED 12 1/4" SECTION.

RBYN-113: (CURRENT, DRILLING 12-1/4" HOLE SECTION).

RBYN-115: COMPLETED 16" SECTION.

RBYN-116: COMPLETED 16" SECTION.

RBYN-118: COMPLETED 16" SECTION.

RBYN-119: COMPLETED 16" SECTION.

RBYN-117: COMPLETED 16" SECTION.

#### CASING POINTS & WELL DESIGN =====

- HOLE SECTIONS: BASED ON LO PLAN 2.0 DATED OCTOBER 30, 2022

32" PRESET CONDUCTOR AT 234 FT TVD/MD,

22" PLANNED DEPTH AT 1,435 FT MD / 1,426 FT TVD, ACTUAL DEPTH AT 1,434 FT MD / 1,425 FT TVD

16" PLANNED DEPTH AT 5,527 FT MD / 4,883 FT TVD, ACTUAL DEPTH AT 5,420 FT MD / 4,855 FT TVD.

12-1/4" PLANNED DEPTH AT 9,300 FT MD / 5,726 FT TVD, ACTUAL DEPTH AT XXXXX FT MD / XXXXX FT TVD.

8-1/2" PLANNED DEPTH AT 11,246 FT MD / 5,893 FT TVD, ACTUAL DEPTH AT XXXXX FT MD / XXXXX FT TVD.

6-1/2" PLANNED DEPTH AT 14,246 FT MD / 6,086 FT TVD, ACTUAL DEPTH AT XXXXX FT MD / XXXXX FT TVD.

#### DRILLS & HSE =====

- DRILLS: H2S, FIRE & ABANDONMENT ON 12-FEB-2023.

- ALERTS DISCUSSED WITH CREW: HSE ALERT 19-23, OPERATIONAL 05-23, EXT 01-23.

#### PERSONNEL =====

\* ARAMCO CLERK MAJID SHAFIQUE ID # 8914833 ONBOARD 11/15/2022.

#### TOOLS =====

- NOV 8" JAR SN # 336-80952 ONBOARD SINCE 02-02-2023 MAN # 2100679682-2.

#### LC-50 SAMPLES =====

- WBM LC-50 SAMPLE SENT ON TOPAZ FAYE ON 01/25/2023, MANIFEST# 2400601951.

- OBM LC-50 SAMPLE SENT ON RAWABI-28 ON 02/15/2022, MANIFEST# 2400605401.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD		N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec		DLS
	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	API	39	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM	
	96 PCF	69 SEC	2.2 HTHP						974 Volts	11 / 12	13 / 21	0	0		279887

MUD DATA	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>17</b>	Oil Vol. % <b>58</b>	Solids Vol. % <b>25</b>	Sand Vol. % <b>0</b>	% LGS <b>4.84</b>	MBT <b>0</b>	Mud type <b>RELIANT</b>	Water Well #			
	Weight <b>96 PCF</b>	Funnel Vis. <b>68 SEC</b>	Filtrate(WL) <b>2 HTHP</b>	Filtrate (WL) API	PV <b>38</b>	YP <b>22</b>	Electrical Stability <b>966 Volts</b>	3/6 RPM <b>11 / 12</b>	Gels Sec/Min <b>12 / 20</b>	PH	CA PPM <b>CL PPM 268577</b>			
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>18</b>	Oil Vol. % <b>58</b>	Solids Vol. % <b>24</b>	Sand Vol. % <b>0</b>	% LGS <b>4</b>	MBT	Mud type <b>RELIANT</b>	Water Well #			
	Weight <b>90 PCF</b>	Funnel Vis. <b>64 SEC</b>	Filtrate(WL) <b>3 HTHP</b>	Filtrate (WL) API	PV <b>30</b>	YP <b>22</b>	Electrical Stability <b>0 Volts</b>	3/6 RPM <b>11 / 12</b>	Gels Sec/Min <b>13 / 21</b>	PH	CA PPM <b>CL PPM 250000</b>			
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>18</b>	Oil Vol. % <b>58</b>	Solids Vol. % <b>24</b>	Sand Vol. % <b>0</b>	% LGS <b>4.07</b>	MBT	Mud type <b>RELIANT</b>	Water Well #			
	<b>STELSL50 1(55LB)</b>	<b>STELSEALFN 1(55LB)</b>	<b>CACO3-25 1(55LB)</b>	<b>ECOTROL-RD 1(55LB)</b>	<b>CAOH2 1(55LB)</b>	<b>CACO3-50 300(100LB)</b>	<b>BARITE-BULK 50(55LB)</b>	<b>LUBRAGLIDE 1(55LB)</b>	<b>VG-PL 1(55GL)</b>	<b>RETHK</b>				
MUD TREATMENT	Bit Number <b>4RR</b>	IADC <b>M423</b>	Size <b>12.25</b>	Manufacturer <b>SMT</b>	Serial Number <b>SM2612</b>	Type <b>MDSI616C</b>	Jets <b>/ 9 X 13 /</b>	TFA <b>1.167</b>	MD In <b>5429</b>	MD Out <b>9305</b>				
BIT DATA	Feet <b>30</b>	Hours <b>160</b>	WOB <b>1</b>	RPM <b>1</b>	I-Row <b>CT</b>	O-Row <b>G</b>	DC <b>X</b>	Loc <b>0</b>	B <b>4200</b>	GPM <b>950</b>	Jet Vel <b>262</b>	DP Av <b>194.34</b>	DC Av <b>299.24</b>	Bit HHP <b>407</b>
DRILL STRING	Float <b>Y</b>													
	BHA Hrs: <b>108</b>													
	String Wt. <b>280</b>	Pick Up <b>226</b>	Slack Off		Rot. Torque <b>25000</b>		Jars: Serial #/Hrs		/	Shock Sub: <b>/</b>		Mud Motor: <b>/</b>		
	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	<b>1</b>	<b>Bit</b>	<b>SMT</b>	<b>12.25</b>	<b>1</b>	<b>12.25</b>	<b>1.13</b>	<b>6-5/8" REG</b>						<b>SM2612</b>
	<b>2</b>	<b>RSS</b>	<b>SDM</b>	<b>9</b>	<b>1</b>	<b>12.125</b>	<b>5.125</b>	<b>20</b>	<b>6-5/8" REG</b>	<b>6-5/8" REG</b>				
	<b>3</b>	<b>Flex Joint</b>	<b>SCT</b>	<b>6.45</b>	<b>1</b>	<b>8.25</b>	<b>5</b>	<b>9.5</b>	<b>6-5/8" REG</b>	<b>6-5/8" REG</b>				
	<b>4</b>	<b>Saver Sub</b>	<b>SDM</b>	<b>8.4</b>	<b>1</b>	<b>8.4</b>	<b>4.25</b>	<b>1.15</b>	<b>6-5/8" FH</b>	<b>6-5/8" FH</b>				
	<b>5</b>	<b>Measurement While Drilling (MWD)</b>	<b>SDM</b>	<b>8.23</b>	<b>1</b>	<b>8.4</b>	<b>5.9</b>	<b>25.12</b>	<b>6-5/8" FH</b>	<b>6-5/8" FH</b>				
	<b>6</b>	<b>Saver Sub</b>	<b>SDM</b>	<b>8.39</b>	<b>1</b>	<b>8.39</b>	<b>3</b>	<b>1.56</b>	<b>6-5/8" REG</b>	<b>6-5/8" FH</b>				
	<b>7</b>	<b>Non Magnetic Drill Collar ( NMDC )</b>	<b>SDM</b>	<b>8.25</b>	<b>1</b>	<b>8.13</b>	<b>3.28</b>	<b>28.3</b>	<b>6-5/8" REG</b>	<b>6-5/8" REG</b>				
	<b>8</b>	<b>Filter Sub</b>	<b>SDM</b>	<b>8.05</b>	<b>1</b>	<b>8.05</b>	<b>3.5</b>	<b>9.21</b>	<b>6-5/8" REG</b>	<b>6-5/8" REG</b>				
	<b>9</b>	<b>Float Sub</b>	<b>SDM</b>	<b>8.25</b>	<b>1</b>	<b>8.25</b>	<b>2.813</b>	<b>2.71</b>	<b>6-5/8" REG</b>	<b>6-5/8" REG</b>				
	<b>10</b>	<b>Stabilizer</b>	<b>SDM</b>	<b>8.5</b>	<b>1</b>	<b>12.125</b>	<b>3</b>	<b>6.81</b>	<b>6-5/8" REG</b>	<b>6-5/8" REG</b>				
	<b>11</b>	<b>Drillcollar</b>	<b>RIG</b>	<b>8.5</b>	<b>1</b>	<b>8.5</b>	<b>2.875</b>	<b>31.03</b>	<b>6-5/8" REG</b>	<b>6-5/8" REG</b>				
	<b>12</b>	<b>Under Reamer</b>	<b>SMT</b>	<b>10.5</b>	<b>1</b>	<b>11.625</b>	<b>2.6</b>	<b>21.1</b>	<b>6-5/8" REG</b>	<b>6-5/8" REG</b>				
	<b>13</b>	<b>Drillcollar</b>	<b>RIG</b>	<b>8.5</b>	<b>1</b>	<b>8.5</b>	<b>2.875</b>	<b>31.05</b>	<b>6-5/8" REG</b>	<b>6-5/8" REG</b>				
	<b>14</b>	<b>Stabilizer</b>	<b>SDM</b>	<b>12.25</b>	<b>1</b>	<b>12.25</b>	<b>3</b>	<b>6.84</b>	<b>6-5/8" REG</b>	<b>6-5/8" REG</b>				
	<b>15</b>	<b>Float Sub</b>	<b>RIG</b>	<b>8.5</b>	<b>1</b>	<b>8.5</b>	<b>2.81</b>	<b>2.92</b>	<b>6-5/8" REG</b>	<b>6-5/8" REG</b>				
	<b>16</b>	<b>PBL (Multiple Activation By Pass)</b>	<b>WWB</b>	<b>8.25</b>	<b>1</b>	<b>6.75</b>	<b>3</b>	<b>8.9</b>	<b>6-5/8" REG</b>	<b>6-5/8" REG</b>				
	<b>17</b>	<b>Drillcollar</b>	<b>RIG</b>	<b>8.5</b>	<b>2</b>	<b>8.5</b>	<b>2.875</b>	<b>62.06</b>	<b>6-5/8" REG</b>	<b>6-5/8" REG</b>				
	<b>18</b>	<b>Hydro-Mechanical Jar</b>	<b>NOJ</b>	<b>8</b>	<b>1</b>	<b>8.13</b>	<b>2.875</b>	<b>27.6</b>	<b>6-5/8" REG</b>	<b>6-5/8" REG</b>				
	<b>19</b>	<b>Drillcollar</b>	<b>RIG</b>	<b>8.5</b>	<b>3</b>	<b>8.5</b>	<b>2.875</b>	<b>93.15</b>	<b>6-5/8" REG</b>	<b>6-5/8" REG</b>				
	<b>20</b>	<b>Crossover</b>	<b>RIG</b>	<b>8.5</b>	<b>1</b>	<b>8.5</b>	<b>2.81</b>	<b>3.51</b>	<b>6-5/8" REG</b>	<b>XT-54</b>				
	<b>21</b>	<b>Heavy Weight Drillpipe (HWDP)</b>	<b>RIG</b>	<b>5.5</b>	<b>12</b>	<b>5.5</b>	<b>3.25</b>	<b>376.48</b>	<b>XT-54</b>	<b>XT-54</b>				
	<b>22</b>	<b>Drillpipe</b>	<b>RIG</b>	<b>5.5</b>	<b>0</b>	<b>5.5</b>	<b>4.5</b>	<b>0</b>	<b>XT-54</b>	<b>XT-54</b>				
Miscellaneous	BOP Test <b>02/20/2023</b>	BOP Drills	Wind <b>NW 24-26 KNTS</b>	Sea <b>4-5 FT</b>	Weather <b>CLEAR, 5NM</b>	DSLTA	Safety Meeting <b>TOURLY</b>							
	Real-Time Data Quality	Sensors Quality	100%	Data Frequency	100%	Real-Time Hrs	10.99/24 hrs							
Personnel and Services Information	COMPANY	FMC	A20	SDM	RIG	SMI	SRT	SGR	ARM	SCM	RIG	ARM	HDV	Total <b>83</b>
	CATEGORY	CSR	CTRG	DPDS	RIG	DFMS	HO	MLS	OTHR	PCS	SCS	WSC	DV	
	NO. OF PERSONS	2	12	3	52	2	2	2	1	3	1	2	1	
	OPERATING HRS.	5	0	24	24	12	24	3.5	12	0	3.5	24	5	
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers <b>HADI-22</b>													
BULK	Drill Wtr.-BBLS <b>865</b>	Pot Wtr.- BBLS <b>1096</b>	Fuel- BBLS <b>1536</b>	Barite- SX <b>6324</b>	Bentonite - SX <b>0</b>	Cement G- SX <b>3635</b>								
REPAIR ASAP	Instrumentation	Other												Reporter

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D&WO Morning Report (Service Providers View)  
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 Daily OffShore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ZULF-1237 (SINGLE LATERAL OIL PRODUCER TARGETTING SFNY)</b> Charge (66- 22062- #: 1237) Wellbores: (0) ZULF_1237_0	Rig <b>CBS</b>	Foreman(s) Engineer Superintendent <b>ALOHALI, MUHANNAD MOHAMMED/ FARSHI, AHMAD ABDULLAH/ QAHTANI, SALEM DULAIM</b>				
			THURAYA	RIG FORMAN VSAT <b>+8821677714134</b>	OTHER VSAT <b>013-673-2337</b>	RADIO / 013-673-2332	CONTRACTOR/CLERK VSAT <b>013-673-2334</b>

Depth <b>4120</b>	Last 24 hr operations <b>DRILL 16" HOLE</b>	Next 24 hr plan <b>DRILL 16" HOLE TO CP. CHC. POOH 16" SPS MM/MWD ASSY</b>			Location <b>ZULF-1230/1239 PF</b>	Days Since Spud/Comm (Date) <b>7.2 (02/23/2023@1900)</b>	Formation tops <b>RUS 1484 ARUM 3695</b>	CONTRACTOR/CLERK <b>MD  1477 TVD MD  3605 TVD</b>
Prev. Depth <b>3322</b>	Liner Size		TOL	MD	TVD	Last Csg Size <b>18 5/8 1559 1551</b>	Footage <b>798</b>	Circ % <b>90</b>

Hrs 07.0	(From - To) 0500 - 1200	0	16	N	DRLG	DMS	MMOT	SPS	3322	3603		Hole depth	Event depth	Summary of Operations			
												Start	End	Start	End		
07.0	0500 - 1200	0	16	N	DRLG	DMS	MMOT	SPS	3322	3603		ROTRY\SLIDE DRILL 16" HOLE WITH SPS MM/MWD BHA. SURVEY EACH STAND	- REAM UP & REAM DOWN EACH STD.				
												- PUMP HI-VIS SWEEP 30 BBLS EACH STD	- DROP 5 RAPID STICKS EVERY STD.				
02.0	1200 - 1400	0	16	N	DRLG	CIRC	MPMP	RIG	3603	3603		CHC BEFORE ARUMA FORMATION					
01.2	1400 - 1515	0	16	N	DRLG	DMS	MMOT	SPS	3603	3644		ROTRY\SLIDE DRILL 16" HOLE WITH SPS MM/MWD BHA. HIT 150 BPH DYNAMIC LOSSES @ 3644 FT					
02.0	1515 - 1715	0	16	N	DRLG	CIRC	MPMP	RIG	3644	3644		FLOW CHECK, STATIC LOSSES 150 BPH. SPOT 100 BBL 40 PPB LCM PILL, LET IT SOAK. FLOW CHECK, STATIC LOSSES THE SAME AT 150 BPH					
11.8	1715 - 0500	0	16	N	DRLG	DMR	MMOT	SPS	3644	4120		ROTRY\SLIDE DRILL 16" HOLE WITH SPS MM/MWD BHA. SURVEY EACH STAND. LOSSES REDUCED GRADUALLY FROM 90 -20 BPH	- REAM UP & REAM DOWN EACH STD.				
												- PUMP CONCENTRATED 40 PPB HI-VIS SWEEP 30 BBLS EACH STD	- DROP 5 RAPID STICKS EVERY STD.				

**\*\*OBJECTIVE:**

THE WELL WILL BE DRILLED AND COMPLETED AS A SINGLE LATERAL OIL PRODUCER WELL INTO SAFANIYA RESERVOIR WITH ICDS AND ESP.

=====

**\*\* DRILLS:**

- DRILL: 2 PIT DRILL
- HELICOPTER CRASH DRILL: 01-28-2023
- FIRE DRILL:02-06-2023
- H2S DRILL: 02-062023
- ABANDON SHIP DRILL: 02-06-2023
- CONFINED SPACE RESCUE DRILL: 11-27-2022
- MAN DOWN DRILL: 02-06-2023
- MAN OVERBOARD DRILL: 12-22-2022
- RESCUE AT HEIGHTS DRILL/VERTICAL RESCUE DRILL: 02/10/2023
- OIL/CHEMICAL SPILL DRILL: 01-28-2023
- COLLISION DRILL: 10-20-2022

=====

**\*\*HELD WEEKLY SAFETY MEETING WITH ALL CREW MEMBERS: 23-JAN-2023.**

**\*\*REVIEW HSE ALERT 16-23,17-23, 18-23 WITH ALL CREW MEMBERS.**

=====

**\*\* WELL: ZULF-1230/1239**

**\*\* RIG POSITION: LAT 028 DEG 20.26'N LONG 049 DEG 07.41'E**

**\*\* WATER DEPTH: 113 FT**

**\*\* AIR GAP: 37.20'**

**\*\* RKB TO MSL: 102.30'**

**\*\* RKB TO MUD LINE: 215.30'**

**\*\* LEG PENETRATIONS: BOW 8.2', PORT 7.2', STBD 6.5'**

=====

**ZULF-1237 L-0 PLAN 3.0**

**32" CASING SHOE 32 FEET BELOW MUDLINE-247 FEET MD RKB TO SHOE**

**18 5/8" PLANNED DEPTH 1533 FEET MD/1527 FEET TVD(+/-50 FEET INTO RUS)-ACTUAL DEPTH 1560 FEET MD/1551 FEET TVD**

**13 3/8" PLANNED DEPTH 4780 FEET MD/4583 FEET TVD(+/-100 FEET INTO LAMS)-ACTUAL DEPTH 4786 FEET MD/4885 FEET TVD**

**9 5/8" PLANNED DEPTH 6525 FEET MD/5555 FEET TVD(SFNY TE)**

**8 1/2" TD PLANNED DEPTH 9603 FEET MD/5760 FEET TVD**

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**PERSONNEL:**

ARAMCO MATERIAL EXPEDITOR OMAR ALAZMI ID# 814804 ONBOARD SINCE 2/15/2023

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**LC-50 SAMPLE:**

MANIFEST 2400593828 12/05/2022 CHAUVIN TIDE

MANIFEST 2400600286 01/17/2023 RAWABI 10

=====

**\*\* WAITING ON WEATHER TODAY: 0 HRS / CUMULATIVE =6.5 HRS**

**\*\* WAITING ON PRODUCING TODAY: 0 HRS / CUMULATIVE = 0 HRS**

**\*\* WAITING ON MARINE TODAY 0 HRS: / CUMULATIVE = 0 HRS**

**\*\* WAITING ON TOOL HOUSE TODAY: 0 HRS / CUMULATIVE = 0 HRS**

=====

**PLATFORM ZULF-1230/1239 WELL STATUS:**

ZULF-1230 TIED BACK AND SUSPENDED FOR COMPLETION

ZULF-1231 SUSPENDED AT 9-5/8" CP

ZULF-1232 SUSPENDED AT 9-5/8" CP

ZULF-1233 SUSPENDED AT 13 3/8" CP

ZULF-1235 SUSPENDED AT 13 3/8" CP

ZULF-1237 (CURRENT WELL) BATCH DRILL 16" HOLE

ZULF-1239 SUSPENDED AT 18 5/8" CP

ZULF-1236 SUSPENDED AT 18 5/8" CP

ZULF-1234 SUSPENDED AT 18 5/8" CP

Remarks

Lateral	Survey MD			Angle	Azimuth		CLength		TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS																									
MUD DATA																																										
MUD TREATMENT																																										
BIT DATA																																										

Date	MONDAY 02/27/2023	Well No (Type):	Rig	Foreman(s)	<u>WIGGINS, PERRY NEIL/</u>
		<b>MRJN-748</b> <b>(MRJN-746 WILL BE DRILLED AS DUAL LATERAL OIL PRODUCER WELL IN RATAWI RESERVOIR)</b>	CG-1	Engineer	<u>LUQUETTA BERRIO, HELMUT JOSIP/</u>
		Charge (66-22073-#: 0748)		Superintendent	<u>HARBI, SALEH MOHAMMAD</u>
		Wellbores: (0) MRJN_748_0	RIG FORMAN VSAT 378 7492	RIG FORMAN VSAT +882 16 7771 2634	RIG FORMAN VSAT 378-7490
					OIM/866-2784
					OTHER VSAT RADIO: 866-2783

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
5714	<b>PT BOP'S SURFACE EQUIPMENT &amp; CSG SPOOL, MU &amp; RIH W/CO ASSY, DRLG CMT &amp; FLOAT EQUIPMENT, PT CSG &amp; DISPLACE WELL WITH OBM.</b>	<b>CONT DISPL OBM, DRLG SHOE &amp; CLEAN RAT HOLE, DRLG 10' OF NEW FORMATION, POOH W/REAMING ASSY &amp; LD SAME, PU &amp; RIH WITH BHI RSS DRLG ASSY, DRLG 12 1/4" SECTION.</b>	MRJN-748	13.9 (02/26/2023@0200)	ARUM LAMS 4660 5368 4606 TVD 5477 TVD

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
5714					13 3/8	57125584		0	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
06.2	0500 - 1115 0	16	N	BOP	BOPT	BOP	RIG	5714	5714				PT 13 5/8" 10K BOP'S SURFACE EQUIPMENT & CIW CSG SPOOL TO 300/3000 PSI F/10 MIN EACH TEST WITH RIG TEST PUMP AS PER ARAMCO STANDARDS.			
01.5	1115 - 1245 0	16	N	BOP	OTH	BOP	RIG	5714	5714				POOH W/CIW 13 5/8" X 5 1/2" TEST ASSY & LD SAME, MU & RIH WITH 13 3/8 CUP TESTING ASSY.			
00.8	1245 - 1330 0	16	N	WH	PTST	WH	RIG	5714	5714				PT CIW 13 5/8 X 18 3/4" CSG SPOOL & SIDE OUTLET VALVES TO 300/2500 PSI F/10 MIN ECAH TEST WITH RIG TEST PUMP, PERFORMED ACCUMLATER DRAW DOWN TEST.			
00.5	1330 - 1400 0	16	N	WH	PTST	WH	RIG	5714	5714				POOH W/13 3/8" CUP TESTING ASSY & LD SAME.			
00.5	1400 - 1430 0	16	N	WH	SET	WBSH	RIG	5714	5714				INSTALLED CIW 13 3/8" WEAR BUSHING IN CSG SPOOL.			
01.0	1430 - 1530 0	16	N	DRLG	HT	BHA	RIG	5714	5714				RIH W/592' OF 12 1/4" CO ASSY.			
01.0	1530 - 1630 0	16	N	DRLG	TI	STDPA	RIG	5714	5714	592	2204		RIH W/592' OF 12 1/4" CO ASSY ON 5 1/2" DP TAG TOC @ 2204' W/15K.			
01.2	1630 - 1745 0	16	N	DRLG	CIRC	MPMP	RIG	5714	5714				CIRC UP @ 550 GPM OVERBOARD W/SEA WATER, WASH & REAM DOWN TO TOC @ 650 GPM W/60 RPM.			
01.5	1745 - 1915 0	16	N	DRLG	DFS	TDS	RIG	5714	5714	2204	2277		DRLG CMT & WFD DV TOOL.			
00.8	1915 - 2000 0	16	N	DRLG	CIRC	MPMP	RIG	5714	5714				PUMPED 30 BBL OF HI-VIS & CHC @ 650 GPM, PT 13 3/8" CSG TO 1000 PSI F/10 MIN.			
01.8	2000 - 2145 0	16	N	DRLG	TI	STDPA	RIG	5714	5714	2277	5420		RIH W/592' OF 12 1/4" CO ASSY ON 5 1/2" DP TAG TOC @ 5420' W/15K.			
01.0	2145 - 2245 0	16	N	DRLG	CIRC	MPMP	RIG	5714	5714				CIRC UP @ 550 GPM OVERBOARD W/SEA WATER, WASH & REAM DOWN TO TOC @ 650 GPM W/60 RPM.			
04.8	2245 - 0330 0	16	N	DRLG	DFS	TDS	RIG	5714	5714	5420	5704		DRLG CMT BAFFLE PLATE & FLOAT COLLAR TO 10' OF ABOVE 13 3/8" CSG SHOE.			
01.0	0330 - 0430 0	16	N	DRLG	CIRC	MPMP	RIG	5714	5714				PUMPED 30 BBL OF HI-VIS & CHC @ 650 GPM, PT 13 3/8" CSG TO 1000 PSI F/10 MIN.			
00.5	0430 - 0500 0	16	N	DRLG	CIRC	MPMP	RIG	5714	5714				DISPLACE WELL WITH 84 PCF OBM @ 600 GPM AT RT...			

MRJN-748 WILL BE DRILLED AS DUAL LATERAL OIL PRODUCER WELL IN RATAWI RESERVOIR. THE LATERAL WILL BE DRILLED TO A TOTAL PLANNED DEPTH OF 15498' MD AND COMPLETED WITH 5 1/2" ICD SCREENS.

#### WELL DESIGN=

- PLANNED 30" CONDUCTOR PIPE AT 328 FT - ACTUAL AT 328 FT.
- PLANNED 18-5/8" AT 2406 FT (50'MD INTO RUS) - ACTUAL AT 2401 FT.
- PLANNED 13-3/8" AT 5606 FT (50' MD ABOVE LWWH) - ACTUAL AT 5611 FT.
- PLANNED 9-5/8" AT 9461 FT (50' MD INTO YAMAMA) - ACTUAL AT 9477 FT.
- PLANNED 7" LINER AT 12110 FT (INSIDE RATAWI TARGET ENTRY) ACTUAL AT XXXX
- PLANNED 6-1/8" TD AT 15498 FT (INSIDE RATAWI RESERVOIR) ACTUAL AT XXXX

#### WELL SEQUENCES FOR 12-1/4" SECTION:

1. MRJN-747...SUSPENDED
2. MRJN-746...SUSPENDED
3. MRJN-748...CURRENT

#### =====SAFETY & DRILLS=====

- \* CONDUCT H2S, ABANDON 02/19/2022
- \* FIRE DRILL 02/19/2023
- \* CONDUCT OIL SPILL DRILL, 01/20/2023
- \* H2S RESCUE DRILL 02/12/2023
- \* MAN DOWN INJURY DRILL 02/12/2023
- \* MAN OVERBOARD DRILL 12/31/2022
- \* LIFE BOAT LAUNCHING DRILL 02/07/2023
- \* CONFINED SPACE RESCUE DRILL 12/04/2022
- \* VERTICAL RESCUE DRILL 02/06/2023
- \* REVIEW ARAMCO HSE ALERTS WITH ALL PERSONNEL:
- HSE ALERTS; 20-23, 21-23, 22-23, 23-23,

=====RIG DATA=====

\* RIG LOC- MRJN/740-749  
 \* RIG HEADING 332  
 \* LAT- 28 23' 01.20" N / LONG - 049 33' 16.20" E  
 \* AIR GAP = 33 FT  
 \* WATER DEPTH = 156 FT  
 \* RKB TO MSL = 100 FT  
 \* RKB TO PLATFORM DECK = 65.8 FT  
 \* LEG PENETRATION: BOW LEG: 10 FT STRB LEG: 11 FT PORT LEG: 10 FT.

=====MUD SAMPLE=====

\* N/A

=====TOOLS=====

- GULF ENERGY 9" HM DRILLING JAR SN# HMJ-900-0004 ONBOARD SINCE 01-JAN-2023 MN#2100674010.

=====WAIT TIME=====

\* WAIT-ON TIME SINCE JAN 1, 2022  
 \* WAIT ON WEATHER: DAILY 0 HRS / TOTAL 14 HRS.  
 \* WAIT ON MARINE: DAILY 0 HRS / TOTAL 0 HRS  
 \* WAIT ON PRODUCING: DAILY 0 HRS / TOTAL 0 HRS  
 \* WAIT ON TOOLHOUSE: DAILY 0 HRS / TOTAL 0 HRS  
 \* WAIT ON RIG MOVE: DAILY 0 HRS / TOTAL 0 HRS

=====RIG MOVE INFORMATION=====

\* N/A

=====PERSONNEL=====

\* AHMED HAMDI ID # 8534310 MATERIAL EXPEDITOR ONBOARD SINCE 10-FEB-2023  
 \* BADER A ALHASSAN ID # 768312 HSE ONBOARD SINCE 21-FEB-2023

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS				
MUD DATA	Weight 86 PCF	Funnel Vis. 0 SEC	Filtrate(WL) 1 HTHP	Filtrate (WL) API	PV 25	YP 22	Electrical Stability 535 Volts	3/6 RPM 10 / 11	Gels Sec/Min 12 / 14	PH 0	CA PPM 0	CL PPM 252148						
	FL Temp 120	Cake HTHP 1	Cake API 0	Water Vol. % 23	Oil Vol. % 58	Solids Vol. % 19	Sand Vol. %	% LGS 0	MBT 1.04	Mud type INOVRT	Water Well #							
	Weight 86 PCF	Funnel Vis. 0 SEC	Filtrate(WL) 1 HTHP	Filtrate (WL) API	PV 25	YP 22	Electrical Stability 535 Volts	3/6 RPM 10 / 11	Gels Sec/Min 12 / 14	PH 0	CA PPM 0	CL PPM 252148						
	FL Temp 120	Cake HTHP 1	Cake API 0	Water Vol. % 23	Oil Vol. % 58	Solids Vol. % 19	Sand Vol. %	% LGS 0	MBT 1.04	Mud type INOVRT	Water Well #							
	Weight 86 PCF	Funnel Vis. 0 SEC	Filtrate(WL) 1 HTHP	Filtrate (WL) API	PV 25	YP 22	Electrical Stability 545 Volts	3/6 RPM 10 / 11	Gels Sec/Min 12 / 14	PH 0	CA PPM 0	CL PPM 252148						
	FL Temp 120	Cake HTHP 1	Cake API 0	Water Vol. % 23	Oil Vol. % 58	Solids Vol. % 19	Sand Vol. %	% LGS 0	MBT 1.04	Mud type INOVRT	Water Well #							
	MUD TREATMENT																	
BIT DATA	Bit Number 4RR	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out							
								/ 3 X 20 /	0.92	5714	5714							
DRILL STRING	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP		
											1500	900	315					
	Float	Y																
	BHA Hrs:																	
	String Wt.	Pick Up	Slack Off		Rot. Torque			Jars: Serial #/Hrs			/	Shock Sub:		/	Mud Motor:			
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
	1	Bit			SEC	12.25	1	12.25		1.08	6-5/8" Reg					838570		
	2	Near Bit Roller Reamer			RIG	12.25	1	8.25	2.875	7.88	6-5/8 Reg					DEP180964		
	3	Drillcollar			RIG	8.5	3	8.5	2.75	91.79	6-5/8 Reg	6-5/8 Reg				RIG		
Miscellaneous	4	Crossover			RIG	8.25	1	8.25	2.75	2.51	XT-54	6-5/8 Reg				RIG		
	5	Heavy Weight Drillpipe (HWDP)			RIG	5.5	12	5.5	3.25	367.4	XT-54	XT-54				RIG		
	6	Hydro-Mechanical Jar			NPJ	6.5	1	6.5	2.75	30.69	XT-54	XT-54				NAP4772C1		
	7	Heavy Weight Drillpipe (HWDP)			RIG	5.5	3	5.5	3.25	92.12	XT-54	XT-54				RIG		
	8	Drillpipe			RIG	5.5	1	5.5										
	BOP Test		BOP Drills		Wind			Sea		Weather		DSLTA	Safety Meeting			TOURLY		
	Real-Time Data Quality				Sensors Quality			95%	Data Frequency		100%	Real-Time Hrs		7.22/24 hrs				
Personnel and Services Information	COMPANY		FMC	OTH	WDV	BHI	RIG	BDF	ARM	BCM	MI2	ARM	CRW			Total 94		
	CATEGORY		CSR	CTRGL	DV	DPDS	RIG	DFMS	OTHR	PCS	SCS	WSC	WBCS					
	NO. OF PERSONS		3	14	1	4	64	1	2	2	1	1	1					
	OPERATING HRS.		0	0	0	12	24	12	12	24	0	24	0					
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24					
Trucks/Boats	Standby/Tankers																	
	HADI 41																	
BULK	Drill Wtr.-BBLS		Pot Wtr.- BBLS	Fuel- BBLS		Barite- SX	Bentonite - SX		Cement G- SX									
	767		1491	1723		7099	331		3086									

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D&WO Morning Report (Service Providers View)  
 Copyright 2010 Saudi Aramco. All Rights Reserved  
 Daily OffShore  
 (0500-0500) Saudi Aramco

Date	MONDAY 02/27/2023	Well No (Type) :	ZULF-1417 <b>(PHZ WELL TARGETING SFNY RESERVOIR)</b>	Rig	Foreman(s) <b>CHAYTOR, ANTHONY PAUL/</b> Engineer <b>DOSSARY, ALI ESSA/</b> Superintendent <b>QAHTANI, SALEM DULAIM</b>		
		Charge #:	(66- 22062- 1417)	THURAYA + 88 216 777 14166	RIG FORMAN VSAT 673-5482	CONTRACTOR/CLERK 673-9162 (RADIO)	CONTRACTOR/CLERK VSAT 673-3264 (CLERK)

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
7847	RIH. KICK OFF WELL AS PER SPS INSTRUCTION. CIRC. POOH. L/D SPS KICK OFF BHA.	L/D SPS KICK OFF BHA. PU SPS RSS DRILLING ASSY AND RIH. DRILL 12 1/4" HOLE.	ZULF 1410/1419	54.4 (01/03/2023@1930)	RUS 1966 1946 FT TVD UMER 2310 2264 FT TVD ARUM 4204 3889 FT TVD LAMS 5004 4521 FT TVD AHMD 5571 4963 FT TVD WARA 5988 5282 FT TVD MDDD 6086 5357 FT TVD SFNY 6224 5463 FT TVD SHUB 7610 6525 FT TVD

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
7847					13 3/8	50764582		0	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
17.5	0500 - 2230	0	8 1/2	N	PA	OTH	NA	SPS	7847	7847			TIME DRILL TO KICK OFF/SIDETRACK 12 1/4" HOLE SECTION AS PER HALLIBURTON F/5106' 5230'. SAMPLE 50% FORMATION, 50% CEMENT,			
00.8	2230 - 2315	0	8 1/2	N	PA	CIRC	MPMP	RIG	7847	7847			CIRCULATE BTTOMS UP.			
00.2	2315 - 2330	0	8 1/2	N	PA	OTH	NA	RIG	7847	7847			FLOW CHECK. WELL STATIC. PUMP SLUG.			
03.5	2330 - 0300	0	8 1/2	N	PA	TO	STDP	RIG	7847	7847	5230	1245	HPJSM. POOH 12 1/4" KICK OFF BHA ON 5 1/2" DP F/5230' T/1215'. MONITOR WELL ON TRIP TANK. WELL STATIC.			
00.2	0300 - 0315	0	8 1/2	N	PA	OTH	NA	RIG	7847	7847			FLOW CHECK. WELL STATIC.			
00.8	0315 - 0400	0	8 1/2	N	PA	TO	STHDP	RIG	7847	7847	1215	95	POOH ON HWDP F/1215' T/945' T/95'. (L/D JARS). MONITOR WELL ON TRIP TANK.			
01.0	0400 - 0500	0	8 1/2	N	PA	HT	BHA	RIG	7847	7847			POOH SPS MOTOR BHA AND L/D PBL, SCREEN SUB, FLOAT SUB, MUD MOTOR AND BIT. INC@RPT. MONITOR WELL ON TRIP TANK.			

#### WELL OBJECTIVE:

THE WELL WILL BE COMPLETED AS A PHZ WELL TARGETING SFNY SAND RESERVOIR WITH 5-1/2" 350 ICD-SCREENS, MECHANICAL PACKERS AND SWELL PACKERS (CONSTRICATORS).

#### SAFETY:

HELD H2S, FIRE AND SHIP ABANDONMENT DRILL ON 2/20/2022.

#### PERSONNEL:

- NASSER AL KHALDI ID# 8581974 MATERIAL EXPEDITOR IS ONBOARD SINCE 2-23-2023.

#### CURRENT WELL: ZULF-1417 (SPUD TO 12-1/4")

BATCH DRILL 22" HOLE: ZULF-1415,1413,1411,1412,1414,1416,1419

BATCH DRILL 16" HOLE SECTION: ZULF-1415,1413,1411,1412,1414,1416,1419.

BATCH DRILL 12.25" HOLE SECTION: ZULF-1415,1413,1411,1412,1414,1416,1419.

BATCH DRILL 8-1/2" & EOW PHASE: ZULF-1415, 1415, 1416 (SINGLE LATERALS)

BATCH DRILL 8-1/2" & EOW PHASE: ZULF-1413, 1411, 1414, 1419, 1410 (DUAL LATERALS)

#### ZULF-1417:

32" CASING POINT AT 371 FT.

18 5/8" PLANNED DEPTH 2018 FT MD/1996 FT TVD- ACTUAL DEPTH 2003 FT MD/1976 FT TVD.

13 3/8" PLANNED DEPTH 5125 FT MD/4617 FT TVD- ACTUAL DEPTH 5083 FT MD/4582 FT TVD.

9 5/8" PLANNED DEPTH 6903 FT MD/5638 FT TVD- ACTUAL DEPTH XX FT MD/XX FT TVD.

8 1/2" TD PLANNED DEPTH 9903 FT MD/5669 FT TVD-ACTUAL DEPTH XX FT MD/XX FT TVD.

\* RIG LOC- ZULF-1410

\* RIG HEADING = 330 DEGREE

\* AIR GAP = 31 FT

\* WATER DEPTH = 159 FT

\* RKB TO MSL = 98 FT

\* RKB TO PLATFORM DECK = XX FT

\* LEG PENETRATION: BOW LEG: 10.8 FT STRB LEG: 10.3 FT PORT LEG: 10.4 FT.

#### Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
FL Temp	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	24	YP	22	Electrical Stability	3/6 RPM	8 / 10	Gels Sec/Min	PH	CA PPM
	88 PCF	51 SEC	0.8 HTHP	API			389	Volts		10 / 14	0		37050	CL PPM
	120	1	0	24			58	18	Sand Vol. %	% LGS	MBT	Mud type	INOVRT	Water Well #

MUD DATA	Weight 88 PCF	Funnel Vis. 50 SEC	Filtrate(WL) 0.6 HTHP	Filtrate (WL) API	PV 24	YP 21	Electrical Stability 436 Volts	3/6 RPM 9 / 10	Gels Sec/Min 10 / 15	PH 0	CA PPM 37050	243316	
	FL Temp 125	Cake HTHP 1	Cake API 0	Water Vol. % 24	Oil Vol. % 58	Solids Vol. % 18	Sand Vol. % 0	% LGS 1.92	MBT 0	Mud type INOVRT	Water Well #		
	Weight 88 PCF	Funnel Vis. 52 SEC	Filtrate(WL) 0.4 HTHP	Filtrate (WL) API	PV 24	YP 23	Electrical Stability 486 Volts	3/6 RPM 9 / 10	Gels Sec/Min 11 / 15	PH 0	CA PPM 37050	243227	
	FL Temp 135	Cake HTHP 1	Cake API 0	Water Vol. % 24	Oil Vol. % 58	Solids Vol. % 18	Sand Vol. % 0	% LGS 1.92	MBT 0	Mud type INOVRT	Water Well #		
MUD TREATMENT	BARITE-BULK 440(100LB)	ARC-FIBER-F 22(25LB)	FACTANT 2(55LB)	CAOH2 22(55LB)	CACO3-5 44(55LB)	MRBL-M 4(2200L)	CACO3-25 44(55LB)	CACO3-50 44(55LB)	POROSEAL 2(55GL)	RHEMODL 2(55GL)			
BIT DATA	Bit Number 7	IADC 517	Size 12.25	Manufacturer SMT	Serial Number RV0159	Type GFS20	Jets /	TFA 5096	MD In 5096	MD Out 5096			
	Feet 30	Hours	WOB 3550	RPM 790	I-Row 3550	O-Row 790	DC 161.61	Loc Bit HHP 0	Pressure DP Av	Jet Vel DC Av			
DRILL STRING	Float Y	BHA Hrs:											
	String Wt. 200	Pick Up 201	Slack Off 192		Rot. Torque		Jars: Serial #/Hrs	/	Shock Sub:	/	Mud Motor:	/	
	Order 1	Component Bit	Provider SMT	Nominal Size 12.25	# Joints 1	OD Size 12.25	ID Size 3	Length 1.06	Top Thread 6 5/8" REG	Bottom Thread 6 5/8" REG	Weight 6 5/8" REG	Grade RV0159	
	2	Mud Motor	SPS	8	1	8	5.25	30.21	6 5/8" REG	6 5/8" REG			
	3	Measurement While Drilling (MWD)	SPS	8.25	1	8.25	3.5	31.93	6 5/8" REG	6 5/8" REG		13156765	
	4	Filter Sub	SPS	8	1	8	3	6	6 5/8" REG	6 5/8" REG		12921963	
	5	Float Sub	SPS	8	3	8	3	2.22	6 5/8" REG	6 5/8" REG		13397685	
	6	Heavy Weight Drillpipe (HWDP)	RIG	5.5	2	5.5	3.75	60	XT-54	XT-54			
	7	PBL (Multiple Activation By Pass)	CRW	8	1	8	2.75	20	6 5/8" REG	6 5/8" REG			
	8	Crossover	RIG	8	1	8	3	3.6	6 5/8" REG	6 5/8" REG			
	9	Heavy Weight Drillpipe (HWDP)	RIG	5.5	2	5.5	3.75	60	XT-54	XT-54			
Miscellaneous	10	Hydraulic Jar	OJR	6.87	1	5.5	3	30	XT-54	XT-54		HMD675244	
	11	Heavy Weight Drillpipe (HWDP)	RIG	5.5	31	5.5	3.37	945	XT-54	XT-54			
	12	Drillpipe	RIG	5.5	1	5.5	4	31.5	XT54	XT54			
Personnel and Services Information	BOP Test 02/16/2023	BOP Drills DAILY	Wind 26-28 KTS SE	Sea 4-6 FT	Weather SEASONAL	DSLTA	Safety Meeting TOUR/WEEKLY						
	Real-Time Data Quality	Sensors Quality	100%	Data Frequency	100%	Real-Time Hrs	11.49/24 hrs						
Trucks/Boats	COMPANY	BCR	RIG	SPS	RIG	BAR	OES	ARN	NCS	MI2	ARM	CRW	Total 101
	CATEGORY	CSR	CTR G	DPDS	RIG	DFMS	DFMS	OTHR	PCS	SCS	WSC	WBCS	
	NO. OF PERSONS	2	14	5	71	1	1	1	3	1	1	1	
	OPERATING HRS.	0	0	24	24	12	12	12	24	12	24	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24	
BULK	Standby/Tankers RAWABI-9												
	Drill Wtr.-BBLS 1793	Pot Wtr.- BBLS 1711	Fuel- BBLS 2349	Barite- SX 3377	Bentonite - SX 916	Cement G- SX 4455							
REPAIR ASAP	Instrumentation	Other											Reporter
	Computer, Communication & V-Sat Issues												

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>TINT-89 (MK-1 HORIZONTAL ACROSS UNZA)</b> Charge #: <b>(66- 22096- 0089)</b> Wellbores: (0) TINT_89_0	Rig <b>DPS-4</b>	Foreman(s) <b>ABDELLAOUI, KHALED/ LEBCIR, MOHAMMED/</b> Engineer <b>GHANNAM, HATEM ABDULMOHSEN/ EID,</b> Superintendent <b>HASAN ABDULJALEEL/</b> <b>NAJIM, KHALID YOUSEF</b>
		THURAYA <b>008821677711061 577-3963</b>	RIG FORMAN VSAT <b>013-880-7661 577-9692</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>11593</b>	<b>CONT RIH 12" DRILL STRING W/MWD-GR TO BTM. ROT DRILL 12" HOLE TO CP @ +/- 11,593' TVD (30' ON BJD) - CONFIRMED BY GOC. CIRC.</b>	<b>PERFORM WT, CHC &amp; SPOT GO PILL, TRIP-OUT TO SURFACE. R/U CSG EQUIPMENT, M/U &amp; RIH 9 5/8" LINER.</b>	<b>299 KM FROM DH MAIN GATE.</b>	<b>24.5 (02/02/2023@1600)</b>	<b>MDTM 7130 12' SHALLOWER SULY 7720 5' DEEPER HITH 8310 9' SHALLOWER ABAR 8800 4' SHALLOWER ABBR 8910 4' SHALLOWER ABCR 9070 12' SHALLOWER ABDR 9350 15' SHALLOWER DHRM 10560 11' SHALLOWER LFDR 10620 12' SHALLOWER HURN 11088 15' SHALLOWER MRRT 11201 5' SHALLOWER MNJR 11255 13' SHALLOWER JILH 11313 13' SHALLOWER JLDM 11409 12' SHALLOWER BJDM 11563 12' SHALLOWER</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>10975</b>					<b>13 3/8</b>	<b>71807180</b>		<b>618</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
<b>00.5</b>	<b>0500 - 0530</b>	<b>0</b>	<b>12</b>	<b>N</b>	<b>DRLG</b>	<b>TI</b>	<b>STDP</b>	<b>RIG</b>	<b>10975</b>	<b>10975</b>	<b>6005</b>	<b>7177</b>	<b>RIH WITH 12" ROT DRLG. ASSY. WITH SLB MWD/GR ON 5 1/2" D/P TO 7177' CSG SHOE. &gt; MONITOR WELL ON TRIP TANK.</b>			
<b>00.5</b>	<b>0530 - 0600</b>	<b>0</b>	<b>12</b>	<b>N</b>	<b>DRLG</b>	<b>RR</b>	<b>TDS</b>	<b>RIG</b>	<b>10975</b>	<b>10975</b>			<b>SERVICE TDS.</b>			
<b>06.5</b>	<b>0600 - 1230</b>	<b>0</b>	<b>12</b>	<b>N</b>	<b>DRLG</b>	<b>RW</b>	<b>BIT</b>	<b>RIG</b>	<b>10975</b>	<b>10975</b>	<b>7177</b>	<b>10975</b>	<b>RIH WITH 12" ROT DRLG. ASSY. WITH SLB MWD/GR ON 5 1/2" D/P IN OPEN HOLE TO BTM. &gt; MONITOR WELL ON TRIP TANK. &gt; CONNECT TDS. REAM DOWN &amp; CLEAR TIGHT INTERVALS: (F/9265' T/9290'), (F/9385' T/9465'), (F/9535' T/9725'), (F/9825' T/9965'), (F/9990' T/10025'), (F/10115' T/10125'), (F/10180' T/10230'), (F/10310' T/10330'), (F/10790' T/10860'), (F/10935' TO BTM)</b>			
<b>15.8</b>	<b>1230 - 0415</b>	<b>0</b>	<b>12</b>	<b>N</b>	<b>DRLG</b>	<b>D</b>	<b>TDS</b>	<b>RIG</b>	<b>10975</b>	<b>11593</b>			<b>ROTARY DRILL 12" HOLE W/ 86 PCF NACL POLYMER MUD TO C.P AT 11593' (30' INTO BJDM) AS PER GOC -FULL RETURN. &gt; SWEEP HOLE WITH 50 BBLS DRILL N SEAL PILL EVERY 45' DRILLED. &gt; BACKREAM 30' AND REAM DOWN OR EACH STAND AS DICTATED BY HOLE. &gt; LOADED SYSTEM W/ LCM AS PER PROGRAM. MAINTAIN 20 PPB LCM IN ACTIVE SYSTEM. &gt; QUICK FLOW CHECK EVERY CONNECTION &amp; TAKE SURVEY 30 FT OFF BOTM.</b>			
<b>00.8</b>	<b>0415 - 0500</b>	<b>0</b>	<b>12</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>11593</b>	<b>11593</b>			<b>PUMP 100 BBLS HVP AND CIRCULATE HOLE CLEAN &amp; CONDITION MUD AT 86 PCF.</b>			

TINT-89 IS PLANNED TO BE DRILLED AS A HORIZONTAL MK-1 WELL TARGETING UNZA RESERVOIR IN THE SOUTH OF TINAT FIELD.  
 THE WELL WILL BE COMPLETED WITH CONVENTIONAL SAND SCREENS.

=====ARAMCO PERSONNEL=====

> ARAMCO PDP ALI ALNAMI #797718 ON LOCATION.  
 > ARAMCO MATERIAL EXPEDITOR SFOOG BADER #8495999 ON LOCATION.  
 > ARAMCO ASSISTANT FOREMAN ABDULAZIZ AL-MOAJIL #789330 ON LOCATION.  
 > ARAMCO MATERIAL EXPEDITOR FAIZ BAKSHWEN #761227 ON LOCATION.  
 > ARAMCO FCT SHWAIRED, ABDULAZIZ #764545 ON LOCATION.  
 > FLUID ADVISOR RAMY ELSHAMY #8381563 VISITED RIG.

=====SERVICE COMPANY=====

> DPS FIELD SUP MAHMOUD HAMED #8548880 VISITED RIG.  
 > OES MUD ENGINEER ON LOCATION.  
 > SLB BARITE SILOS OPERATOR ON LOCATION.  
 > MI-SWACO CLOSED LOOP SYSTEM CREW ON LOCATION.  
 > ALMANSOURI H2S TECHNICIAN ON LOCATION.  
 > HALLIBURTON FRAC TANK ON LOCATION.

- > SECURITY BIT RUNNER ON LOCATION.
- > SAMA PBL SUB OPERATOR ON LOCATION.
- > SLB MWD CREW ON LOCATION.
- > GYRO ENGINEER ON LOCATION.
- > BAKER LINER ENGINEER ON LOCATION.

=====RENTAL TOOLS=====

- > WELLLINK LAPTOPS INSTALLED ON 11/15/2022.
- > TAQA 8" DRILLING JAR DJ6-800-343 ON LOCATION ON 02/18/2023 AT 19:45 HRS.

=====HSE=====

- > HSE SAFETY TOPIC: DISCUSSED IMPROTANCE OF PRE-USE CHECKLIST.
- > DAILY DRILLS: 1 X TRIP DRILL.
- > NEAR MISS: NONE.
- > SAFETY OBSERVATIONS: NONE.
- > ARAMCO HSE ALERTS: NONE.
- > 2X SAFE GATHERING AREAS. 1X 500 M NE AND 1X 500 M NW OF WELLHEAD.

=====AUDIT FINDINGS=====

- > 1ST MCI 2023: 20 FINDINGS, 0 OPEN ITEMS.

=====NEXT WELL=====

- > NEXT WELL: MDRK-69, 100% READY.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec		DLS			
MUD DATA	Weight 86 PCF	Funnel Vis. 60 SEC	Filtrate(WL) 10 HTHP	Filtrate (WL) API		PV 26	YP 28	Electrical Stability 0 Volts		3/6 RPM 11 / 13	Gels Sec/Min 12 / 15	PH 9.55	CA PPM 160		CL PPM 26000			
	FL Temp 0	Cake HTHP 1	Cake API 1	Water Vol.% 83		Oil Vol.% 3	Solids Vol.% 14	Sand Vol.% 0.1		% LGS 3.27	MBT 7.5	Mud type NCPOL	Water Well # <b>TINT-803, TINT-804</b>					
	Weight 86 PCF	Funnel Vis. 57 SEC	Filtrate(WL) 10 HTHP	Filtrate (WL) API		PV 25	YP 26	Electrical Stability 0 Volts		3/6 RPM 10 / 12	Gels Sec/Min 11 / 14	PH 9.4	CA PPM 160		CL PPM 30000			
	FL Temp 150	Cake HTHP 1	Cake API 1	Water Vol.% 83		Oil Vol.% 3	Solids Vol.% 14	Sand Vol.% 0.1		% LGS 3.49	MBT 7.5	Mud type NCPOL	Water Well # <b>TINT-803, TINT-804</b>					
MUD TREATMENT	ARC-FIBER-F		OXYGON	MICA-FINE	NACL	SODASH	TNATHN											
	24(50LB)	2(100LB)	24(50LB)	4(2000L)	20(100LB)	16(50LB)												
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out							
	4RR	M423	12	SEC	13790027	GT86DH	/ 8 X 14 /	1.203	10975	11593								
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP		
								2400	720	192	155.14	245.95	159					
DRILL STRING	Float	Y																
	BHA Hrs:		16															
	String Wt.	Pick Up	Slack Off	Rot. Torque 15000				Jars: Serial #/Hrs			/ 92	/	Shock Sub:	/ 92	/	Mud Motor:	/	
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
	1	Bit			SEC	12	1	12		1.35	6 5/8 REG					13790027		
	2	Bit Sub			RIG	8.625	1	8.625	2.75	3.48	6 5/8 REG	6 5/8 REG						
	3	Pony Collar			RIG	8.5	1	8.5	3.75	15.02	6 5/8 REG	6 5/8 REG						
	4	String Reamer			RIG	12	1	12	2.75	8.64	6 5/8 REG	6 5/8 REG						
	5	Measurement While Drilling (MWD)			SDM	8.5	1	8.5	3.125	33.4	6 5/8 REG	6 5/8 REG				G0936		
	6	Filter Sub			SDM	8	1	8	3	7.48	6 5/8" REG					8001018		
	7	String Reamer			RIG	12	1	12	2.75	8.94	6 5/8 REG	6 5/8 REG						
	8	PBL (Multiple Activation By Pass)			SAM	8.25	1	8.25	3.5	8.54	6 5/8 REG	6 5/8 REG				WES825BP23B		
	9	Drillcollar			RIG	8.5	15	8.55	2.875	457	6 5/8 REG	6 5/8 REG						
	10	Hydro-Mechanical Jar			CTC	8	1	8	3	30.71	6 5/8 REG	6 5/8 REG				DJ6-800-434		

	11	Drillcollar	RIG	8.5	3	8.5	2.75	91.82	6 5/8 REG	6 5/8 REG											
	12	Crossover	RIG	8.187	1	8.187	2.937	2.97	6 5/8 FH	6 5/8 REG											
	13	Heavy Weight Drillpipe (HWDP)	RIG	6.625	6	6.625	4.25	186.88	6 5/8 FH	6 5/8 FH											
	14	Crossover	RIG	8.5	1	8.5	2.812	3.26	XT54	6 5/8 FH											
	15	Heavy Weight Drillpipe (HWDP)	RIG	5.5	9	5.5	3.3	273.56	XT54	XT54											
	16	Drillpipe	RIG	5.5	1	5.5	3	30	XT54	XT54											
Miscellaneous	BOP Test <b>02/20/2023</b>		BOP Drills		Wind		Sea N/A	Weather		DSLTA <b>4222</b>	Safety Meeting <b>TWICE PER DAY</b>										
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs			11.49/24 hrs						
	COMPANY		SEC	RZT	RIG	OES	SMI	BFL	MH2	BLH	SDM	RIG	ARM	OTH	MI3	ARM	SAM	Total <b>96</b>			
Personnel and Services Information	CATEGORY		BITS	CTR G	RIG	DFMS	DFMS	FILT	H2S	LHES	LWD	OTHR	OTHR	VAC	WMS	WSC	WBCS				
	NO. OF PERSONS		1	14	46	2	1	1	2	2	2	4	5	5	7	3	1				
	OPERATING HRS.		12	0	12	12	12	12	12	0	12	12	12	10	12	24	12				
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24				
	Standby/Tankers <b>AB-6311</b>		<b>RIG AMBULANCE</b>																		
Trucks/Boats	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>705</b>		Barite- SX <b>210</b>		Bentonite - SX <b>49</b>		Cement G- SX <b>4000</b>												
BULK			Instrumentation Computer, Communication & V-Sat Issues				Other										Reporter				
REPAIR ASAP	<b>VERY SLOW INTERNET, UNABLE TO PROPERLY COMMUNICATE TO OFFICE BY PHONE DUE TO INTERRUPTIONS.</b>																				

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Date	Well No (Type)	Rig	Foreman(s)	IBRAHIM, ALI ABDULRAZAK/ OGAGA, MICHAEL OVIET/ KHAIRALLAH, AHMED SADEQ/ ABD RAB ALREDA, SAEED HASSAN			
		DPS-5	Engineer Superintendent	THURAYA	RIG FORMAN VSAT	OTHER VSAT	OTHER VSAT
				+8821677712714	013-577-3981	DPS 013-875-6486 CLINIC 013-875-6484 013-875-6485	013-577-3555

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
14185	CONT'D POOH, L/D SLB MWD/GR & BIT, P/U & M/U 5-7/8" ROTARY MWD/GR ASSY W/NEW REFURBISH BIT, RIH W/SAME, RELOG, ROTARY DRILL 5-7/8" HOLE SECTION.	ROTARY DRILL 5-7/8" HOLE SECTION TO 14,367' MD/13,973' F/ DMG FOLLOW (+/- 150' TVD INTO PUZU).	HRDH-2367 IS 281 KM YABRIN ROAD.	72.3 (12/16/2022@2100)	KFDA 12506 30' DEEPER BKDC 13007 16' SHALLOWER UNZB 13323 NA. UNZC 13361 NA.

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %	100
14156	7	11569	13336	12953	9 5/8	12125	11734	29		

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
04.0	0500 - 0900	0	5 7/8	N	DRLG	TO	STDP	RIG	14156	14156	9058	1326	CONT'D POOH W/5-7/8" ROTARY SLB MWD/GR ASSY TO BHA.
00.5	0900 - 0930	0	5 7/8	N	DRLG	WCNT	NA	RIG	14156	14156			F/C @ TOP OF BHA: WELL STATIC.
03.0	0930 - 1230	0	5 7/8	N	DRLG	HT	BHA	RIG	14156	14156			POOH 5-7/8" ROTARY DRILL ASSY TO SURFACE & LD SAME. > LD: SLB TOOLS, B/SUB & REED PDC BIT. > MONITOR THE WELL THRU TRIP TANK ALL THE TIME.
00.5	1230 - 1300	0	5 7/8	N	DRLG	RR	TDS	RIG	14156	14156			RIG SERVICE.
03.5	1300 - 1630	0	5 7/8	N	DRLG	HT	BHA	RIG	14156	14156			HPJSM, P/U & M/U 5-7/8" ROTARY BHA: NEW REFURBISH SMITH PDC BIT TYPE: MR613-C SN: JP6909, NEW SLB MWD, NEW NOV JAR, & RIH AS PER TALLY. > SHALLOW TEST MWD AS PER SLB, OK.
01.0	1630 - 1730	0	5 7/8	N	DRLG	TI	STDP	RIG	14156	14156	1300	3700	CONT'D RIH W/5-7/8" ROTARY BHA W/SLB MWD/GR ON 4" DP. > FILL UP EVERY 20 STANDS AND TEST MWD EVERY 40 STANDS.
00.5	1730 - 1800	0	5 7/8	N	DRLG	HT	PEL	RIG	14156	14156			CHANGE HANDLING TOOLS TO 5-1/2" DP.
05.5	1800 - 2330	0	5 7/8	N	DRLG	TI	STDP	RIG	14156	14156	3700	13690	CONT'D RIH W/5-7/8" ROTARY BHA W/SLB MWD/GR ON 5-1/2" DP. > FILL UP EVERY 20 STANDS AND TEST MWD EVERY 40 STANDS.
01.0	2330 - 0030	0	5 7/8	N	DRLG	RW	BIT	RIG	14156	14156	13690	14006	STRING TAKING WEIGHT. WASH & REAM DOWN F/13,690' TO RELOG DEPTH @ 14,010'
02.0	0030 - 0230	0	5 7/8	N	DRLG	LOG	LWD	SDM	14156	14156	14006	14156	RELOG LAST 150' AS PER GOC.
02.5	0230 - 0500	0	5 7/8	N	DRLG	D	TDS	RIG	14156	14185			ROTARY DRLG 5 7/8" HOLE WITH SLB MWD/GR. > SWEEP HOLE W/ 30 BBLS HV PILL EVERY STD DRILLED. > BACK REAM/DOWN EVERY STAND. > FLOW CHECK DURING CONNECTION.

HRDH-2367 IS PLANNED TO BE DRILLED AS K-2 S-SHAPE GAS PRODUCER WELL ACROSS UNYZ-B AS PRIMARY TARGET AND KHUFF-C AS SECONDARY TARGET TO WELL TD AT 150FT BELOW BASE UNAYZAH-B. BASED ON OH LOGS, THE WELL MIGHT BE COMPLETED WITH 15K MSF OR CEMENTED LINER.

-----ARAMCO PERSONNEL-----

> ARAMCO MATERIAL EXPEDITOR FAHAD G ALDAFAERI# 8515005 ON LOCATION ON 02/01/2023.

> ARAMCO FCT MESAHL ALYAMI # 777117 ON LOCATION 02/19/2023.

> D&WOTD ABDELKADER ELBADRY # 8345675 ON LOCATION SINCE 02/26/2023 FOR FCT TRAINING MODULE # 1 PRE-EVALUATION.

-----SCE CO. PERSONNEL-----

> EMEC MUD ENGINEER ON LOCATION.

> SLB CREW ON LOCATION FOR CLOSED LOOP SYSTEM INSTALLATION.

> NOV CENTRIFUGE ENGINEER ON LOCATION ON 01/22/2023.

> NOV BIT ENGINEER ON LOCATION ON 02/18/2023.

> SLB MWD CREW ON LOCATION ON 02/18/2023.

-----RENTAL EQPT-----

> 4-3/4" NOV HYDRO MECH JAR 341425-06 ON LOCATION ON 02/18/2023 @ 15:00 PM, BL ON 02/26/2023 @ 14:30 PM.

> 4-3/4" NOV HYDRO MECH JAR CW29856151 ON LOCATION ON 02/26/2023 @ 14:30 PM.

-----HSE-----

> HSE INSPECTION STATUS:

- 2ND RHSEI: TOTAL FINDINGS (19) : CLOSED ITEMS (19) & OPEN ITEMS (0).
- WCI: TOTAL FINDINGS (5) : CLOSED ITEMS (5) & OPEN ITEMS (0).
- CEHA: TOTAL FINDINGS (12) : CLOSED ITEMS (12) & OPEN ITEMS (0).
- 2ND CEHA: TOTAL FINDINGS (8) : CLOSED ITEMS (8) & OPEN ITEMS (0).
- 2ND HAZCOM: TOTAL FINDINGS (9) : CLOSED ITEMS (9) & OPEN ITEMS (0).
- 2ND PTW: TOTAL FINDINGS (3) : CLOSED ITEMS (3) & OPEN ITEMS (0).
- 4TH - 3-MCI: TOTAL FINDINGS (20) : CLOSED ITEMS (20) & OPEN ITEMS (0).

> DRILLS: NONE.

> NEAR MISS: NONE.

> HSE ALERTS: NONE.

-----WELLSITE SERVICES-----

> NONE.

-----RIG VISIT-----

> NONE.

-----NEXT WELL-----

> NEXT WELL HRDH-2396. 100% READY.

-----MISCELLANEOUS-----

> NONE.

-----DIRECTIONAL PLAN-----

> GAMMA RAY SENSOR OFFSET FROM BIT: 37.19', D&I: 35.19'.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight 98 PCF	Funnel Vis. 58 SEC	Filtrate(WL) 1.6 HTHP	Filtrate (WL) API	PV 23	YP 15	Electrical Stability 834 Volts	3/6 RPM 9 / 10	Gels Sec/Min 10 / 13	PH 0	CA PPM 0
	FL Temp 140	Cake HTHP 1	Cake API 0	Water Vol. %	Solids Vol. %	Sand Vol. %	% LGS 6.44	MBT 0	Mud type OBM	Water Well # HRDH-866, HRDH-868	CL PPM 18000
	Weight 98 PCF	Funnel Vis. 58 SEC	Filtrate(WL) 1.8 HTHP	Filtrate (WL) API	PV 23	YP 16	Electrical Stability 780 Volts	3/6 RPM 9 / 10	Gels Sec/Min 10 / 14	PH 0	CA PPM 0
	FL Temp 140	Cake HTHP 1	Cake API 0	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	MBT 6.4	Mud type OBM	Water Well # HRDH-866, HRDH-868	CL PPM 18000
MUD TREATMENT	CAOH2	CARBOTROL	STELSL50	STELSEALFN	CACO3-50	8(55LB)	8(50LB)	8(50LB)	5(50LB)	Bit Number IADC Size Manufacturer Serial Number Type Jets TFA MD In MD Out TVD Out	
	12	M333	5.875	SMT	JP6909	MR613C	/3 X 14 /	0.451	14156	14185	
	Feet Hours	WOB RPM	I-Row	O-Row	DC Loc B G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP

BIT DATA		15	75				3101	246	175	1413.5	504.43	52		
	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out			
	12	M432	5.875	REED	S295326	DS713M1A / 3 X 14 /	0.451	13339	14156					
	Feet	Hours	WOB	RPM	I-Row	DC Loc	B G Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP		
	24	80	3	4	WT	A X 0	3041	250	178	330.94	512.63	54		
DRILL STRING	Float	Y												
	BHA Hrs:	2.5												
	String Wt.	Pick Up	Slack Off	303		Rot. Torque	14000	Jars:	/	2.5	Shock	/		
	327	337						Serial #/Hrs	/		Sub:	/		
	Float	Y												
	BHA Hrs:	84												
	String Wt.	Pick Up	Slack Off	300		Rot. Torque	14000	Jars:	/	84	Shock	/		
	320	336						Serial #/Hrs	/		Sub:	/		
	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit	SMT	5.875		5.875		0.6	3-1/2 REG					JP6909
	2	Near Bit Roller Reamer	RIG	5.875	1	5.875	2.25	5.34	3-1/2 IF	3-1/2 REG				
	3	Pony Collar	RIG	4.75	1	4.75	2.5	15.28	3-1/2 IF	3-1/2 IF				
	4	String Reamer	RIG	5.875	1	5.875	1.25	6.33	3-1/2 IF	3-1/2 IF				
	5	Measurement While Drilling (MWD)	SDM	4.75	1	4.75	2.25	35.09	3-1/2 IF	3-1/2 IF				ZC730741
	6	Filter Sub	SDM	5.875	1	5.875	2	6.04	3-1/2 IF	3-1/2 IF				DFS475
	7	String Reamer	RIG	5.875	1	5.875	1.25	4.78	3-1/2 IF	3-1/2 IF				
	8	Drillcollar	RIG	4.75	23	4.75	2.25	706.46	3-1/2 IF	3-1/2 IF				
	9	Hydraulic Jar	NOJ	4.75	1	4.75	2.25	26.96	3-1/2 IF	3-1/2 IF				CW29856151
	10	Drillcollar	RIG	4.75	2	4.75	2.25	61.56	3-1/2 IF	3-1/2 IF				
	11	Crossover	RIG	4.75	1	4.75	2.25	2.7	XT-39	3-1/2 IF				
	12	Heavy Weight Drillpipe (HWDP)	RIG	4	15	4	2.313	457.02	XT-39	XT-39				
	13	Drillpipe	RIG	4	105	4	3.34	3697.4	XT-39	XT-39				
	14	Crossover	RIG	6.625	1	4.75	2.25	2.42	XT-54	XT-39				
	15	Drillpipe	RIG	5.5	1	5.5	4.67	1	XT-54	XT-54				
Miscellaneous	BOP Test	02/20/2023	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting						
				NORMAL	NA	SEASONAL		DAILY						
	Real-Time Data Quality		Sensors Quality	97%	Data Frequency	98%	Real-Time Hrs	10.67/24 hrs						
Personnel and Services Information	COMPANY	RZT	SDM	RIG	EMC	SMI	BR1	RO1	RIG	ARM	ARM			
	CATEGORY	CTR G	DPDS	RIG	DFMS	DFMS	MLS	MLS	OTHR	OTHR	WSC			
	NO. OF PERSONS	14	3	43	1	5	0	4	9	3	2			Total 84
	OPERATING HRS.	0	24	24	12	3	24	24	0	0	24			
	ON LOCATION HRS.	24	24	24	24	24	0	24	24	24	24			
Trucks/Boats	Standby/Tankers													
	ARAMCO PICKUP AB-6305													
BULK	Drill Wtr.-BBLS	2000	Pot Wtr.- BBLS	1000	Fuel- BBLS	563	Barite- SX	203	Bentonite - SX	69	Cement G- SX	250		
	Instrumentation	Other											Reporter	
REPAIR ASAP	Computer, Communication & V-Sat Issues													

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D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>UTMN-3019 (: DRILLED AS K-1 GAP SINGLE LATERAL GAS PRODUCER TARGETING KHUFF B RESERVOIR)</b>	Rig <b>DPS-43</b>	Foreman(s) <b>CHAREF, KADA EL/ THAQFAN, AHMED SAAD/ OGELOHWOHOR, ONOS SUNDAY/</b>
	Charge (66- 18057- #: 3019) Wellbores: (0) UTMN_3019_0	Engineer Superintendent <b>SHAIKH, ALI JAFER</b>	
	THURAYA <b>8821677711062</b>	RIG FORMAN VSAT <b>5722-799</b>	FAX VSAT <b>880-5117</b> CONTRACTOR/CLERK VSAT <b>880-5111/5774710</b>

Depth <b>19480</b>	Last 24 hr operations <b>PT BOPE, R/U TBG RUNNING EQUIP, RIH 4-1/2" UPPER COMPLETION W/15K COMP. SET ANCHOR SEAL, REV CIRC TO WTR, PT/SET ANCHOR, SPACE OUT, M/U SEAL</b>	Next 24 hr plan <b>RIH 4-1/2" UPPER COMPLETION W/15K COMP. SET ANCHOR SEAL, REV CIRC TO WTR, PT/SET ANCHOR, SPACE OUT, M/U TBG HGR.</b>	Location <b>UTMN-3019</b>	Days Since Spud/Comm (Date) <b>150.0 (09/30/2022@0600)</b>	Formation tops <b>KFBC 13384 71' SHALLOWER (12,604' TVD) KFB1 14066 (12,653' TVD)</b>
Prev. Depth <b>19480</b>	Liner Size <b>4 1/2</b>	TOL <b>12216</b>	MD <b>19477</b>	TVD <b>12711</b>	Last Csg Size <b>9 5/8</b> MD <b>1049210492</b> TVD <b>0</b> Footage Circ % <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
01.0	0500 - 0600	0		N	BOP	BOPT	RAMS	RIG	19480	19480			HPJSM. PRESSURE TEST 13-5/8" BOPE AS PER ARAMCO REQUIREMENTS, RAMS TO 300/8,500 PSI, ANNULAR TO 300/7,000 PSI. > PERFORM ACCUMULATOR DRILL.
01.0	0600 - 0700	0		N	BOP	OTH	BOP	RIG	19480	19480			RETRIEVE VG TEST PLUG & L/D TEST ASSY (15 JTS X 5-1/2" DP).
01.5	0700 - 0830	0		C	COMP	HT	PEL	BCR	19480	19480			R/U BKR 4-1/2" TUBING RUNNING EQUIPMENT AND PU/LD MACHINE. TEST AND CALIBRATE JAM UNIT.
00.8	0830 - 0915	0		C	COMP	PJSM	TBG	RIG	19480	19480			HPJSM W/ ALL PERSONNEL INVOLVED IN RUNNING UPPER COMPLETION.
00.5	0915 - 0945	0		C	COMP	RPCS	UPCOM	BCR	19480	19480	0	104	P/U HES MULE SHOE GUIDE W/ HES "15K COMP. SET ANCHOR SEAL/PBR ASSY" + 4-1/2" 15.2# TENARIS BLUE (B) TO 4-1/2" 15.1# VAM TOP (P) + 1 JT X 4-1/2" 15.2# TN-125HC TENARIS-BLUE.
00.8	0945 - 1030	0		C	COMP	DTU	DRFT	SPL	19480	19480			R/U SAPESCO SLICK LINE. - RIH W/ 3.65" PLUG BODY TO 100 FT. - RIH W/ 3.75" DRIFT TO TAG PSA NO-GO LOCATOR AT 50 FT.
05.8	1030 - 1615	0		C	COMP	RPCS	UPCOM	BCR	19480	19480	104	3229	RUN 4-1/2" UPPER COMPLETION W/ HES "15K COMP. SET ANCHOR SEAL/PBR ASSY" & 4-1/2" 15.2# TN-125HC TENARIS-BLUE TBG (78/310 TOTAL) > 4-1/2" 15.2# TN-125HC TENARIS-BLUE TBG (78/78 TTL)
01.0	1615 - 1715	0		C	COMP	HT	TBG	RIG	19480	19480			PU MU XO 4-1/2" 15.2# TENARIS BLUE X 4-1/2" 15.1# VTHC + HALL ASSY#1 4-1/2" 15.1# VTHC X 4-1/2" 13.5# VTHC + 1 JT X 4-1/2" 13.5# VM-95HCS VTHC
01.5	1715 - 1845	0		C	COMP	DTU	DRFT	SPL	19480	19480			R/U SAPESCO SLICK LINE. - RIH WITH 3.75" DRIFT TO 3250FT TO TAG PSA NO-GO LOCATOR. - RIH WITH 3.795" DRIFT TO 44FT TO TAG TOP OF X-OVER.
06.0	1845 - 0045	0		C	COMP	RPCS	UPCOM	SPR	19480	19480	3229	6500	RUN 4-1/2" UPPER COMPLETION W/ HES "15K COMP. SET ANCHOR SEAL/PBR ASSY" & 4-1/2" 15.2# VAM-95HCS VTHC TBG (162/309 TOTAL) > 4-1/2" 13.5# VAM-95HCS VTHC TBG (84/231 TTL) > 4-1/2" 15.2# TN-125HC TENARIS-BLUE TBG (78/78 TTL)
01.5	0045 - 0215	0		C	COMP	DTU	DRFT	SPL	19480	19480			R/U SAPESCO SLICK LINE LUBRICATOR & P/T. RIH W/ 3.795" DRIFT TO 3,260' (200' OVERLAP). POOH & R/D SAME.
02.8	0215 - 0500	0		C	COMP	RPCS	UPCOM	BCR	19480	19480	6500	8358	RUN 4-1/2" UPPER COMPLETION W/ HES "15K COMP. SET ANCHOR SEAL/PBR ASSY" & 4-1/2" 15.2# VAM-95HCS VTHC TBG (210/309 TOTAL) ..... ONGOING AT RT. > 4-1/2" 13.5# VAM-95HCS VTHC TBG (132/231 TTL)

=====WELL OBJECTIVE=====

UTMN-3019 IS PART OF GAS AGGRESSIVE PROGRAM (GAP) AND WILL BE DRILLED AS K-1, 6,000 FT KHUFF SINGLE LATERAL IN THE MINIMUM STRESS DIRECTION.

===== ARAMCO PERSONNEL =====

- \* MOHAMMED ALFAYEZ #814130, ARAMCO MCM, ON LOCATION ON 02/17/2023.
- \* MOHAMMED AL-SHAMMARI #814099, ARAMCO MCM, OFF LOCATION 02/22/2023.
- \* MOHAMMED AL.RASHEEDI #740259, FCT, ON LOCATION 02/22/2023.

===== DPS PERSONNEL & VISITORS =====

- DPS FIELED SUPT MAHMOUD HAMED 2/11/2023 (LAST VISIT).
- DPS SUPERINTENDENT KAREEM ASAL 2/20/2023 (LAST VISIT).
- DPS OPERATIONS MANAGER HAYTHAM ELGOHARY 1/12/2022 (LAST RIG VISIT).
- DPS HSE MGR MOHAMMED AL SAEED 1/11/2023 (LAST RIG VISIT).

===== 3RD PARTY SERVICES PERSONNEL =====

- \* EMEC MUD ENGINEER ON LOCATION 11/20/2022 + 1 TRAINEE.
- \* HES LINER ENGINEER ON LOCATION ON 2/09/2023, LEFT ON 2/26/2023.
- \* TAQA CREW ON LOCATION ON 2/13/2023. LEFT LOCATION ON 2/26/2023.
- \* HES UPPER COMPLETION ENG ON LOCATION 2/21/2023.
- \* BKR TRS CREW ON LOCATION.
- \* BAROID FILTRATION CREW ON LOCATION ON 2/16/2023.
- \* SAPESCO SLICK LINE ON LOCATION 02/23/2023.
- \* VG WH ENG ON LOCATION 02/25/2023.

===== RENTAL EQUIPMENT =====

===== ERP NOTIFICATIONS=====

- \* NEAR-BY SITE-26 UTMN-3135 (SITE LOCATION OUT SIDE 30 PPM) 3.3 KM AWAY.

===== PRE-TOUR MEETING TOPICS =====

- DISCUSSED BOPE PRESSURE TEST HAZARDS & PROCEDURE
- DISCUSSED PICKING UP TBG FROM PIPE RACK USING AIR TAGGER, SAFE RULES & DROP ZONE.
- DISCUSSED HSE ALERT 21-23, HSE ALERT 61-22.

===== NEAR MISS/SWA =====

- \* NONE

===== DRILLS/INSPECTIONS =====

- \* DRILLS: NONE

===== AUDITS =====

- \* 2022 2ND RHSE 28 FINDINGS, 28 CLOSED, 0 OPEN.
- \* 2022 WCEI 11 FINDINGS, 11 CLOSED, 0 OPEN.
- \* 2022 4TH QTR QSI 19 FINDINGS, 19 CLOSED, 10 OPEN.

===== VACUUM TANKER =====

- \* DRSS FOR MONTH OF FEB 2023 (1003827730)

- AL-MADEED VACUUM TANKER VEHICLE PLATE 7047 (2-LOADS) 2/21/2023
- AL-MADEED VACUUM TANKER VEHICLE PLATE 8637 (2-LOADS) 2/21/2023
- AL-MADEED VACUUM TANKER VEHICLE PLATE 3014 (2-LOADS) 2/21/2023

===== WATER CONSERVATION=====

- CONSTRUCTED TWO SEPARATED WASTE PITS FOR WBM AND OBM.
- SPUDDED WELL WITHOUT FILLING THE WATER PIT UTILIZING THE WATER WELL DIRECT TO THE WATER TANKS.

===== DAILY DIESEL CONSUMPTION RIG ENGINES =====

- \* DAILY DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP) : 41 BBLS, CUMULATIVE DIESEL CONSUMPTION PER WELL =8,823 BBLS.

=====CSG DEPTHS=====

36"=120 FT, 30"= 739 FT, 24"= 2431 FT, 18-5/8"=4689 FT, 13-3/8"= 7325 FT, 9-5/8"= 10,492 FT, 7" TOL= 10,183', 7"= 13,468', 4-1/2" TOL= 12,216', 4-1/2"=19,477'.

=====NEXT LOCATION=====

UTMN-2367 : 100% READY

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS	
	Weight <b>85 PCF</b>	Funnel Vis. <b>0 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0 Volts</b>	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>215000</b>

MUD DATA	FL Temp <b>155</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>100</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>0</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>WBM-CAC</b>	Water Well # <b>UTMN-3529, UTMN-3501</b>						
	Weight <b>85</b> PCF	Funnel Vis. <b>0</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>215000</b>					
	FL Temp <b>148</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>100</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>0</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>WBM-CAC</b>	Water Well # <b>UTMN-3529, UTMN-3501</b>						
MUD TREATMENT																	
BIT DATA																	
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #			
Miscellaneous	BOP Test <b>02/22/2023</b>	BOP Drills <b>2 X WEEKLY</b>			Wind <b>SEASONAL</b>			Sea <b>N/A</b>	Weather <b>SEASONAL</b>			DSLTA <b>6222</b>	Safety Meeting <b>2 X DAILY</b>				
	Real-Time Data Quality		Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs			10.74/24 hrs			
Personnel and Services Information	COMPANY		RZT	HCO	RIG	EMC	BFL	BR1	RIG	ARM	SPL	BCR	OTH	ARM	SAM	GEP	Total <b>88</b>
	CATEGORY		CTR G	PSSC	RIG	DFMS	FILT	MLS	OTHR	OTHR	SLS	PRS	VAC	WSC	WBCS	WHES	
	NO. OF PERSONS		<b>14</b>	<b>1</b>	<b>41</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>10</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>	
	OPERATING HRS.		<b>0</b>	<b>20</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>12</b>	<b>20</b>	<b>22</b>	<b>12</b>	<b>24</b>	<b>0</b>	<b>1</b>	
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	
Trucks/Boats	Standby/Tankers <b>AB-6317</b>	AMBULANCE		BUS													
BULK	Drill Wtr.-BBLS <b>0</b>	Pot Wtr.- BBLS <b>1000</b>	Fuel- BBLS <b>830</b>		Barite- SX <b>74</b>		Bentonite - SX <b>29</b>		Cement G- SX <b>233</b>								
REPAIR ASAP	Instrumentation		Other Computer, Communication & V-Sat Issues										Reporter				

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HWHYH-1340 (MK-1 S-SHAPE WELL TARGETING KHUFF-C RESERVOIR)</b> Charge #: <b>(66- 22053- 1340)</b> Wellbores: (0-1) HWHYH_1340_1	Rig <b>DPS- 44</b> Foreman(s) Engineer Superintendent <b>THURAYA 00-882-167-771-1063</b>	<b>GHOZO, SHABIR AHMED/ OQAILY, MOHAMMED AMEEN/ TOKTABOLAT, ZHAZAR/ SHAIKH, ALI JAFER</b> RIG FORMAN VSAT <b>013-378-6454</b>	CONTRACTOR/CLERK VSAT <b>013-378-6456/013-378-6455</b>
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Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>11047</b>	<b>RUN 9-5/8" CSG, CIRC, SPACE OUT, R/U CMT HEAD AND SURFACE LINES</b>	<b>1ST STAGE CMT JOB, OPEN DV, CIRC, HWHYH-1340 IS LOCATED 0.379 2ND STAGE CMT JOB, WORK ON WH &amp; SET CIW PACK OFF, N/D BOP, N/U WH, N/U &amp; P/T BOPE</b>	<b>KM S16W OF HWHYH-864 AND 0.582 KM S21W OF HWHYH- ANOD-24</b>	<b>55.0 (01/03/2023@0500)</b>	<b>HITH 6600 6' DEEP. ABAR 7040 53' SHALLOW. ABBR 7162 44' SHALLOW. ABCR 7320 25' SHALLOW. ABDR 7580 342' SHALLOW. BHDR 8784 28' SHALLOW (8809' MD). DHRM 8940 32' SHALLOW (8974' MD). LFDR 8994 29' SHALLOW (9032' MD). BLFR 9127 24' SHALLOW (9173' MD). HURN 9665 31' SHALLOW (9740' MD). MRRT 9778 41' SHALLOW (9860' MD). MNJR 10106 64' SHALLOW (10205' MD). JILH 10620 19' SHALLOW (10639' MD). JLDM 10726 24' SHALLOW (10858' MD). BJDM 10874 15' SHALLOW (11015' MD)</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>11047</b>					<b>13 3/8</b>	<b>6643</b>	<b>6643</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
05.5	0500 - 1030	0-1	12	N	CSG	RCSG	CTRQ	ITS	11047	11047	530	4741	RUN 9-5/8" JPC-4 ; 53.5# CSG, FILL UP EA JT. (116/270 JTS).
01.0	1030 - 1130	0-1	12	N	CSG	RCSG	DV	WDV	11047	11047			P/U AND M/U X/O VAM TOP HC NA PIN X 3SB BOX & WEATHERFORD 9-5/8 " 10K HPHT DV TOOL & X/O 3SB PIN X JPC-4 BOX. * WFD DV S/N: 10694227-03
02.5	1130 - 1400	0-1	12	N	CSG	RCSG	CTRQ	ITS	11047	11047	4741	6620	RUN 9-5/8" JPC-4 53.5# BARE CSG TO 13-3/8" CSG SHOE, FILL UP EA JT. (161/270 JTS).
02.0	1400 - 1600	0-1	12	N	CSG	CIRC	MPMP	RIG	11047	11047			CIRCULATE BTMS UP AT 13-3/8" CASING SHOE.
03.0	1600 - 1900	0-1	12	N	CSG	RCSG	CTRQ	ITS	11047	11047	6620	8868	RUN 9-5/8" 53.5# JPC-4 BARE CSG TO HALF WAY IN OH @ 8,868' (216/270 JTS).
00.5	1900 - 1930	0-1	12	N	CSG	CIRC	MPMP	RIG	11047	11047			BREAK CIRCULATION FOR 30 MIN.
03.0	1930 - 2230	0-1	12	N	CSG	RCSG	CRT	ITS	11047	11047	8868	10980	CONT RUN 9-5/8" 53.5# JPC-4 BARE CSG IN OPEN HOLE. FILL UP EA JT. (TOTAL= 268/270 JTS)
01.0	2230 - 2330	0-1	12	N	CSG	RW	CSG	RIG	11047	11047	10980	11047	WASH DOWN LAST TWO JNTS, TAG AND CONFIRM BTM @ 11,047'. TOTAL 270 JNTS.
02.5	2330 - 0200	0-1	12	N	CSG	CIRC	MPMP	RIG	11047	11047			CIRCULATE CSG CAPACITY. CONT CIRCULATE AND CONDITION MUD 106 IN/OUT.
02.0	0200 - 0400	0-1	12	N	CSG	SET	FMH	CAM	11047	11047			SPACE OUT. PICK UP CAMERON FMH (SN# 121884492-02/ PN# 2345254-08-04) & LANDING JT. WASH DOWN & LAND CASING HANGER.
01.0	0400 - 0500	0-1	12	N	CSG	HT	PEL	ITS	11047	11047			R/D ITS SPIDER SLIPS. R/U OILSERV CMT HEAD & SURFACE LINES... ONGOING @ RPT.

HWHYH-1340 IS PLANNED AS MK-1 S-SHAPE WELL TARGETING KHUFF-C RESERVOIR TO BE DRILLED TO TD AT +/- 14,388' MD AT 24 DEG MAXIMUM INCLINATION IN THE 12" HOLE BUILD SECTION. HWHYH-1340 WILL BE COMPLETED WITH 4 1/2" CEMENTED LINER.

=====ARAMCO PERSONNEL=====

- ARAMCO MATERIALS EXPEDITOR ALI N. AL-SUHAIBANI ID# 8568811 ON LOCATION 02/22/2023
- FCT BASEL ALZAHARANI# 796633. ON LOCATION 02/22/2023
- PDP FAISAL ALOWAID# 814944 ON LOCATION 02/08/2023. OFF LOCATION 02/22/2023
- DRLG ENG ZHAZAR TOKTABOLAT #728581 ON LOCATION FOR 9-5/8" CSG CMT JOB.

=====DPS PERSONNEL=====

- DPS RIG SUPT. KAREEM ASAL ON LOCATION 02/24/2023.
- DPS FIELD SUPT. MAHMOUD HAMED # 8548880 LAST RIG VISIT 02/24/2023
- DPS OPERATION MANAGER HAITHAM IBRAHIM LAST RIG VISIT ON 01/11/2023
- DPS HSE MANAGER MOHAMMED ELSAEED LAST RIG VISIT ON 01/11/2023

=====THIRD PARTY PERSONNEL=====

- EMEC MUD ENG ON LOCATION 01/01/2023.
- MI SLB MUD ENGINEER ON LOCATION 02/07/2023.
- BAKER DIRECTIONAL ENGINEER AND EQUIPMENT ON LOCATION 02/07/2023.
- OIL SERV CREW & PUMPING UNIT ON LOCATION 02/22/2023 AT 18:00 HRS.
- ITS CASING RUNNING CREW AND EQUIPMENT ON LOCATION 02/22/2023 @ 16:30 HRS
- CIW ENGINEER ON LOCATION 02/22/2023 @ 18:00 HRS.
- WFD DV ENG. ON LOCATION 02/23/2023 @ 14:00HRS

=====HSE=====

**SAFETY TOPICS:**

- RECENT HSE ALERTS, RUNNING CSG AND ALL RELATED HAZARD

=====RENTAL EQUIPMENT=====

- RECEIVED SLB 8" HMJ JAR S/N: HMJ-800-061 ON 02/19/2023 @ 21:00 HR. P/U ON 2/20/23 @ 5:00 HRS. L/D ON 02/23/2023 @ 17:30HRS
- SLB FRAC TANK ON LOCATION 02/09/2023.
- NOV CENTRIFUGE ON LOCATION 02/12/2023.
- 100 BBLS VDA ACID FROM OILSERV AVAILABLE ON LOCATION.

=====WATER CONSERVATION=====

- CONSTRUCTED TWO SEPARATED WASTE PITS FOR WBM AND OBM.
- SPUDDED WELL WITHOUT FILLING THE WATER PIT UTILIZING THE WATER WELL DIRECT TO THE WATER TANKS.

=====DIRECTIONAL INFO=====

- DIR PLAN: HAWIYAH-1340\_0\_1\_REV-C.4 (PWP) 02/12/2023:

- WELLPATH: 0.83 FT ABOVE & 2.76 FT RIGHT OF PLAN.

=====NEXT LOCATION=====

- HWYH-1331: 40% READY.

Remarks

Lateral	Survey MD		Angle	Azimuth	CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS																		
MUD DATA	Weight <b>106</b>	PCF <b>60</b>	Funnel Vis. <b>SEC</b>	Filtrate(WL) <b>2</b>	Filtrate (WL) API	PV <b>35</b>	YP <b>18</b>	Electrical Stability <b>870</b>	Volts <b>8 / 9</b>	3/6 RPM <b>11 / 15</b>	Gels Sec/Min <b>0</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>																		
	FL Temp <b>170</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>12</b>	Oil Vol. % <b>54</b>	Solids Vol. % <b>34</b>	Sand Vol. % <b>0</b>	% LGS <b>5.4</b>	MBT <b>0</b>	Mud type <b>RELIANT</b>	Water Well # <b>HWYH-889, HWYH-3517</b>																					
	Weight <b>106</b>	PCF <b>60</b>	Funnel Vis. <b>SEC</b>	Filtrate(WL) <b>2</b>	Filtrate (WL) API	PV <b>35</b>	YP <b>18</b>	Electrical Stability <b>870</b>	Volts <b>8 / 9</b>	3/6 RPM <b>11 / 15</b>	Gels Sec/Min <b>0</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>																		
	FL Temp <b>170</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>12</b>	Oil Vol. % <b>54</b>	Solids Vol. % <b>34</b>	Sand Vol. % <b>0</b>	% LGS <b>5.4</b>	MBT <b>0</b>	Mud type <b>RELIANT</b>	Water Well # <b>HWYH-889, HWYH-3517</b>																					
MUD TREATMENT																																
BIT DATA																																
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #																		
Miscellaneous	BOP Test <b>02/08/2023</b>	BOP Drills		Wind <b>NORMAL</b>	Sea <b>N/A</b>	Weather <b>SEASONAL</b>		DSLTA <b>3833</b>	Safety Meeting <b>PRE-TOUR MEETING</b>																							
	Real-Time Data Quality			Sensors Quality		100%	Data Frequency		100%	Real-Time Hrs		10.99/24 hrs																				
Personnel and Services Information	COMPANY		ITS	RZT	WDV	BHI	RIG	EMC	SMI	MJH	MIF	SJS	RIG	ARM	OCT	BRD	ARM	SAM	CAM	Total <b>111</b>												
	CATEGORY		CSR	CTR G	DV	DPDS	RIG	DFMS	DFMS	SEC	FILT	JST	OTHR	OTHR	PCS	SCS	WSC	WBCS	WHES													
	NO. OF PERSONS		9	14	1	3	38	2	1	7	1	0	23	3	4	1	2	0	2													
	OPERATING HRS.		24	0	24	0	24	24	24	0	24	0	0	12	2	0	24	0	4													
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	0	24	24	24	24	24	0	24													
	Trucks/Boats		Standby/Tankers <b>ARAMCO TRUCK# DH-7554</b>		DPS AMBULANCE		DPS PICK UP TRUCK																									
BULK	Drill Wtr.-BBLS <b>1000</b>	Pot Wtr.- BBLS	Fuel- BBLS <b>444</b>	Barite- SX <b>196</b>		Bentonite - SX <b>29</b>		Cement G- SX <b>7550</b>																								
REPAIR ASAP	Instrumentation		Other												Reporter																	
	Computer, Communication & V-Sat Issues																															

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Date	Well No (Type) :	Rig	Foreman(s)
MONDAY 02/27/2023	UTMN-2328 (K-1 HORIZONTAL KHUFF-C RESERVOIR)	DPS- 45	BOUHADJA, SID AHMED/ GHAFLI, SALAM MANSOUR/ OGEOLOHWOHOR, ONOS SUNDAY/ SHAIKH, ALI JAFER
Charge (66- 21057-#: 2328)	Wellbores: (0) UTMN_2328_0	THURAYA	RIG FORMAN VSAT 882-167-771-1064
			OTHER VSAT 013-577-6143
			CONTRACTOR/CLERK VSAT 013-577-6130
			CONTRACTOR/CLERK VSAT 013-829-3889

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
20140	RSS DRILL 5-7/8" HOLE W/ SLB MWD/LWD/GR	RSS DRILL 5-7/8" HOLE W/ SLB MWD/LWD/GR TO WELL TD +/- 20922' MD / 13659' TVD	UTMN-2328	90.5 (11/28/2022@1630)	15' SHALLOWER (10920 FT MD) MDJR 11213 6' DEEPER (11,226 FT MD) 6' SHALLOWER (12,163 FT MD) SUDR 12150 10' SHALLOWER (12,545 FT MD) BSRD 12552 12,574' MD KHFF 12919 12' SHALLOWER (12,978 FT MD) KFAC 12962 7' SHALLOWER (13,029 FT MD) KFBC 13070 14' SHALLOWER (13,164 FT MD) KFCC 13576 25' SHALLOWER (14,139 FT MD) KC01 13591 14214' MD KC02 13614 16' SHALLOWER (14,361 FT MD) KC03 13633 13' SHALLOWER (14,521 FT MD) KC04 13657 5' SHALLOWER (14,836 FT MD)

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
19720	7	9861	14142	13578	9 5/8	10952	10952	420	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Start	End	Start	End	Summary of Operations	
15.0	0500 - 2000 0		5 7/8	N	DRLG	D	RSS	SDM	19720	19995					RSS DRILL 5-7/8" HOLE WITH SLB MWD/LWD/GR AND 87 PCF OBM > TAKE SURVEY EVERY CONNECTION & CONNECTION AS PER NEW STUCK PIPE AVOIDANCE PRACTICES. > PUMP WEIGHTED PILL AS PER PROGRAM. > PUMP SEAL PILL EVERY 45' DRILLED. > HIGH STICK AND SLIP. MITIGATING BY ADJUSTING PARAMETERS	
00.5	2000 - 2030 0		5 7/8	N	DRLG	RR	TDS	RIG	19995	19995					RIG SERVICE TDS	
04.0	2030 - 0030 0		5 7/8	N	DRLG	D	RSS	SDM	19995	20090					RSS DRILL 5-7/8" HOLE WITH SLB MWD/LWD/GR AND 87 PCF OBM > TAKE SURVEY EVERY CONNECTION & CONNECTION AS PER NEW STUCK PIPE AVOIDANCE PRACTICES. > PUMP WEIGHTED PILL AS PER PROGRAM. > PUMP SEAL PILL EVERY 45' DRILLED. > HIGH STICK AND SLIP. MITIGATING BY ADJUSTING PARAMETERS	
01.0	0030 - 0130 0		5 7/8	N	DRLG	CIRC	MPMP	RIG	20090	20090					CUMULATIVE TIME TO DOWN LINK AND COOLING DOWN TOOLS.	
03.5	0130 - 0500 0		5 7/8	N	DRLG	D	RSS	SDM	20090	20140					RSS DRILL 5-7/8" HOLE WITH SLB MWD/LWD/GR AND 87 PCF OBM > TAKE SURVEY EVERY CONNECTION & CONNECTION AS PER NEW STUCK PIPE AVOIDANCE PRACTICES. > PUMP WEIGHTED PILL AS PER PROGRAM. > PUMP SEAL PILL EVERY 45' DRILLED. > HIGH STICK AND SLIP. MITIGATING BY ADJUSTING PARAMETERS.  - DEVIATION FROM PLAN IS: CT-CT 20.22 FT, 9.65 FT RIGHT, AND 17.77 FT ABOVE.	

WELL OBJECTIVE: UTMN-2328 IS PLANNED TO BE DRILLED AS A K-1 KHUFF-C HORIZONTAL WELL IN THE SOUTH-EASTERN FLANK OF THE UTMN FIELD. THE WELL WAS DESIGNED AS K-1 DUE TO HIGH POTENTIAL OF SEVERE LOSSES IN LFDR AND LOW RISK OF JILH FLOW IN THE AREA. THE WELL IS PART OF GAS AGGRESSIVE PROGRAM (GAP) WITH PLANNED 6,000' OF RESERVOIR CONTACT. THE WELL WILL BE COMPLETED W/ MSF.

#### ===== ARAMCO PERSONNEL ON LOCATION =====

- SAIF ALAM #8145073 RIG CLERK ON LOCATION 02/07/2023.
- ARAMCO PDP OSAMA ALGARNI # 808923 HOT ASSIGNMENT (WORKING WITH DPS) LEFT LOCATION 02/25/23.

#### ===== THIRD PARTY PERSONNEL ON LOCATION =====

- EMEC MUD ENGINEER ON LOCATION.
- MI MUD ENGINEER ON LOCATION.

#### ===== DPS VISITOR =====

- MOHAMMED MAGDY DPS FIELD SUPT. LAST VISIT RIG ON 02/05/23.
- MAHMOUD HAMED DPS FIELD SUPT LAST VISIT ON 02/16/23.
- KAREEM ASAL DPS RIG SUPT LAST VISIT ON 02/20/23.

#### ===== HSE =====

##### DISCUSSED:

- DISCUSSED GDD SAFETY TOPIC(ELECTRICAL SAFETY )
- REVIEW HSE ALERT 04-23 PINCHED FINGER RESULTED IN LTI.
- REVIEW ALERT 05-23 FACE INJURY CAUSED BY A STUCK WIRELINE SHEAVE
- REVIEW ALERT 06-23 FINGER TRAPPED BETWEEN HANDRAILS AND AIR HOIST WIRE
- REVIEW ALERT 07-23 IMPROPER USE OF DRINKING WATER BOTTLES

#### - REVIEW RIG OSS

## OBSERVATIONS:

## NEAR MISS:

## **DRILLS:**

#### **EQUIPMENT ON LOCATION**

#### **--VACUUM TANKERS**

-NONE

=====RENTAL DOWNHOLE

- RECEIVED 4-3/4" NOV DRILLING JAR HMJ-475-4166423 ON 02/24/23 @ 18:00. P/U 02/24/23 @ 20:00 HRS.

## OPTIMIZATION

#### - GDD COST OPTIMIZATION: NONE.

- KILL MUD: NONE.

**- DAILY DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP): 57 BBLS, CUMULATIVE DIESEL CONSUMPTION PER UTMN-2328 = 5,177 BBLS.**

## **=====WATER CONSERVATION**

- CONSTRUCTED TWO SEPARATED WASTE PITS FOR WBM AND OBM.

- SPUDDED WELL WITHOUT FILLING THE WATER PIT UTILIZING THE WATER WELL DIRECT TO THE WATER TANKS

## **=NEXT LOCATION**

- UTMN-2344 IS 100% READY.

**====REMARKS**

## Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
0	20024	90.07	203.42	97	13712.88	-6570.07	-2735.59	915.95	1.37
0	19927	89.00	202.63	97	13712.09	-6480.80	-2697.65	904.17	0.57
0	19830	88.76	202.13	95	13710.19	-6391.13	-2660.72	891.31	1.85
0	19735	89.83	203.53	95	13709.02	-6303.58	-2623.87	879.45	0.85
0	19640	89.21	203.01	95	13708.23	-6216.31	-2586.34	868.32	0.58

MUD TREATMENT	CACO3-50 20(50LB)	CACO3-5 20(50LB)	STELSL50 12(55GL)	SUREMUL 2(55GL)	SUREWET 1(55GL)	CAOH2 12(50LB)					
	[Bit Number]	ADC	Size	Manufacturer	Serial Number	Type	Int.	TEA	MD In	MD Out	TVD Out

BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TPA	MD III	MD Out	TVD Out					
	14RRR	M423	5.875	SMT	SM2184	XS613C / 3 X 12 / 0.331	19552	20140								
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
											3260	220	214	1264.11	61	

Float		Y														
BHA Hrs:																
String Wt.	Pick Up	Slack Off	Rot. Torque				Jars: Serial #/Hrs				/	Shock Sub:			/	Mud Motor:
285	310	265	8600								/				/	/
Order	Component		Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
1	Bit		SMT	5.875		5.875		0.65	3-1/2" REG		0			SM2184		
2	RSS		SDM	5.75	1	5	2.25	12.87	3-1/2" IF	3-1/2" IF	0			NOO3797		
3	Stabilizer		SDM	5.75	1	5.75	2.25	1.58	3-1/2" IF	3-1/2" IF	0			OFS-3516		
4	Float Sub		SDM	5.04	1	5.04	2	2.7	3-1/2" IF	3-1/2" IF	0			ITS338579		
5	Power & Communication Sub		SDM	4.81	1	4.81	2.25	9.33	3-1/2" IF	3-1/2" IF	0			18941		
6	Measurement While Drilling (MWD)		SDM	4.75	1	4.75	2.25	33.5	3-1/2" IF	3-1/2" IF	0			B2198		
7	Stabilizer		SDM	5.75	1	5.75	2.25	1.45	3-1/2" IF	3-1/2" IF	0			NTS-30594		
8	Logging While Drilling (LWD)		SDM	5.75	1	5.75	2.25	23.65	3-1/2" IF	3-1/2" IF	0			B2167		
9	Non Magnetic Drill Collar ( NMDC )		SDM	4.68	1	4.68	2.25	7.5	3-1/2" IF	3-1/2" IF	0			4016265		
10	Filter Sub		SDM	4.71	1	4.71	2.25	7.24	3-1/2" IF	3-1/2" IF	0			1366961		
11	Crossover		RIG	4.75	1	4.75	2.5	2.94	XT39	3-1/2" IF	0			45-24A		
12	Heavy Weight Drillpipe (HWDP)		RIG	4	3	4	2.565	92.05	XT39	XT39	0					
13	Hydro-Mechanical Jar		NOJ	4.75	1	4.75	2.25	25.29	XT39	XT39	0			475-4166423		
14	Heavy Weight Drillpipe (HWDP)		RIG	4	2	4	2.565	61.27	XT39	XT39	0					
15	Drillpipe		RIG	4	360	4	3.25	11337.22	XT39	XT39	0					
16	Crossover		RIG	6.75	1	6.75	2.75	2.48	XT54	XT39	0			44X23		
17	Drillpipe		RIG	5.5	1	5.5	4.67	0.001	XT54	XT54	0					

Miscellaneous	BOP Test <b>02/24/2023</b>	BOP Drills <b>2</b>	Wind <b>NORMAL</b>	Sea <b>N/A</b>	Weather <b>NORMAL</b>	DSLTA <b>4281</b>	Safety Meeting
	Real-Time Data Quality	Sensors Quality	100%	Data Frequency	100%	Real-Time Hrs	11.49/24 hrs

	Sensors Quality				Data Frequency				Real-Time Hrs				Total				
Personnel and Services Information	Company		RZT	SDM	RIG	EMC	SMI	MJH	RIG	NOJ	RIG	XLG	RIG	ARM	BRD	ARM	Total 89
	Category		CTRG	DPDS	RIG	DFMS	DFMS	SEC	SEC	JST	MED	MLS	OTHR	OTHR	SCS	WSC	
	No. of Persons		14	4	41	1	1	8	2	0	1	4	7	1	3	2	
	Operating Hrs.		0	24	24	24	24	0	0	24	0	24	12	12	24	24	
	On Location Hrs.		24	24	24	24	24	24	24	0	24	24	24	24	24	24	

## Trucks/Boats

## ARAMCO PICK UP AB-5435

BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>351</b>	Barite- SX <b>115</b>	Bentonite - SX <b>49</b>	Cement G- SX <b>0</b>	
REPAIR ASAP	Instrumentation	Other					Reporter

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D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date	Well No (Type) :	Rig	Foreman(s)
MONDAY 02/27/2023	UTMN-3035 (SIDETRACK THE WELL IN TWO HOLE SIZES TO KHUFF B & COMPLETE W.4.5" CMT LINER& S-3 PACKER) Charge #: (71- 22057- 3035) Wellbores: (0- UTMN_3035_1)	DPS- 46	PAUL, KENTON/ PETERSON, CLARKE LYLE/ SOSA ORTEGA, JULIO CESAR/ OGAJI, DAMINABO/ SUPERINTENDENT KHAMEES, SHAKER ABDUL MAJEED
	THURAYA 00-88-216-777110-65	RIG FORMAN VSAT 5721864	OTHER VSAT CLERK 572-0757 HSE 877-2217
			OTHER VSAT

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
13631	CONT CLEAN OUT SHOE TRACK, CIRC, POH, M/U & RIH W/ 9 5/8" CSG SCRAPER,	CONT RIH W/ 9 5/8" CSG SCRAPER, CIRC, POH, M/U & RIH W/ 9 5/8" RTTS PKR,	119KM TO DH. GATE	24.8 (02/02/2023@0900)	MDJR 11021 11015 TVD SUDR 11904 11765 TVD SDDM 12374 12060 TVD KHFF 12893 12336 TVD KFAC 12987 12378 TVD KFBC 13435 12516 TVD

Prev. Depth	Liner Size	TOL	MD	TVB	Last Csg Size	MD	TVB	Footage	Circ %
13631	7	10795	13628	12540	9 5/8	1268212352		0	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
09.0	0500 - 1400	0-1	8 3/8	N	DRLG	DC	TDS	RIG	13631	13631	13475	13618	DRILL HARD CEMENT FROM 13475' TO 13,618' * DRILL FLOAT COLLAR @ 13,543' TO 13,545' * PUMP SWEEPS AS REQUIRED.
02.5	1400 - 1630	0-1	8 3/8	N	DRLG	CIRC	MPMP	RIG	13631	13631			PUMP 20 BBLS LO-VIS, 40 BBLS HI-WT SWEEP & CIRCULATE HOLE CLEAN.
00.5	1630 - 1700	0-1	8 3/8	N	DRLG	OTH	NA	RIG	13631	13631			FLOW CHECK - WELL STATIC,
07.2	1700 - 0015	0-1	8 3/8	N	CT	LDP	STRG	RIG	13631	13631	13618	656	POH W/ 5 7/8" CLEAN OUT ASSY, ~ FLOW CHECKS - STATIC,
01.5	0015 - 0145	0-1	8 3/8	N	CT	HT	BHA	RIG	13631	13631			CONT POH W/ 5 7/8" BHA L/D 6 X 4.75" DC & 5 7/8" PDC BIT,
02.2	0145 - 0400	0-1	8 3/8	N	CT	HT	BHA	RIG	13631	13631			M/U 8 3/8" USED PDC BIT, 9 5/8" CSG SCRAPER, 6 X 6.25" DC, 6 X 5" HWDP, 6.75" DRILLING JAR & 26 JTS 5" HWDP,
01.0	0400 - 0500	0-1	8 3/8	N	CT	LDP	STRG	RIG	13631	13631	1178	2000	RIH W/ 9 5/8" CSG SCRAPER ASSY, .....ONGOING

\* ODF CORRECTION - ADC-55L +4.4',

\* SGA #1 LOCATED 1.51 KM NORTH WEST DIRECTION AWAY OF WELL CENTER N 2,824,708.2 & E 334,227.4

\* SGA #2 LOCATED 1.48 KM SOUTH EAST DIRECTION AWAY OF WELL CENTER N 2,822,191.4 & E 335,424.6

\* ARAMCO CLERK MUJAHID MUNIR (8148510) ON LOCATION NOV. 16, 2021

\* DRILLS: TRIP,PIT,

\* NEXT LOCATION: UTMN-2086

\* HELD PREWORK OVER MEETING ON FEBRUARY 20, 2023 @ 09:00 AM.

Remarks

SUPT. SHAKER AL-KHAMEES ON LOCATION FEB. 26, 2023

\* DISCUSS CURRENT WELL OPERATION

\* DISCUSS INTEGRATED HORIZONTAL DRILLING PRACTICES VER: 3.0 FOR 5-7/8" HOLE SECTION.

\* NEAR MISS: SLS # 4482757: A/D TRIP BY GROUNDING ROD.

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight 125 PCF	Funnel Vis. 57 SEC	Filtrate(WL) 1.6 HTHP	Filtrate (WL) API	PV 45	YP 15	Electrical Stability 950 Volts	3/6 RPM 9 / 10	Gels Sec/Min 11 / 14	PH 0	CA PPM 0
	FL Temp 148	Cake HTHP 2	Cake API 0	Water Vol. % 7	Oil Vol. % 54	Solids Vol. % 39	Sand Vol. % 0	% LGS 6.3	MBT 0	Mud type OBM	Water Well # UTMN-3531
	Weight 125 PCF	Funnel Vis. 58 SEC	Filtrate(WL) 1.6 HTHP	Filtrate (WL) API	PV 45	YP 15	Electrical Stability 900 Volts	3/6 RPM 9 / 10	Gels Sec/Min 11 / 15	PH 0	CA PPM 0
	FL Temp 148	Cake HTHP 2	Cake API 0	Water Vol. % 7	Oil Vol. % 54	Solids Vol. % 39	Sand Vol. % 0	% LGS 6.4	MBT 0	Mud type OBM	Water Well # UTMN-3531
MUD TREATMENT											
BIT DATA											
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight
Miscellaneous	BOP Test 02/21/2023	BOP Drills		Wind	Sea	Weather SEASONAL			DSLTA 4931	Safety Meeting DAILY	

	Real-Time Data Quality		Sensors Quality		100%		Data Frequency		100%		Real-Time Hrs		11.49/24 hrs	
Personnel and Services Information	COMPANY	SCM	OTH	RZT	BHI	RIG	BDF	EMC	MJH	OJR	ARM	OTH	ARM	Total <b>83</b>
	CATEGORY	PCS	RENT	CTRG	DPDS	RIG	DFMS	DFMS	SEC	JST	OTHR	VAC	WSC	
	NO. OF PERSONS	3	3	14	3	46	1	1	8	0	1	1	2	
	OPERATING HRS.	0	0	0	24	24	24	24	24	24	24	10	24	
	ON LOCATION HRS.	12	15	24	24	24	24	24	24	0	24	24	24	
	Standby/Tankers													
Trucks/Boats	<b>AB5589</b>													
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX								
	<b>1000</b>	<b>100</b>	<b>428</b>	<b>200</b>		<b>800</b>								
REPAIR ASAP	Instrumentation	Other												
	Computer, Communication & V-Sat Issues													

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Reporter

Date	Well No (Type) :	Rig	Foreman(s)	ZEID, SAMIR ALI/ QUROONI, IBRAHIM
MONDAY 02/27/2023	MDRK-28 (RE-ENTER, MILL 792' OF 7" LINER, SIDE-TRACK IN TWO HOLE SIZES TARGETING UNAYZAH-A RESERVOIR)	DPS- 74	Engineer Superintendent	ANWAR/ OTAIBI, ABDULAZIZ NAYEF/ WIJANARKO, MUHAMMAD/ SAEGH, ABDULLAH SULIMAN
Charge #:	(71- 23514- 0028)	THURAYA 88-216-7771-2839	RIG FORMAN VSAT	CONTRACTOR/CLERK VSAT
Wellbores:	(0-1) MDRK_28_1	013-577-9670	013-577-9669	

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
12064	CHC, POOH, L/D 8-3/8" WIS MILL, P/U, M/U & RIH WITH 8-3/8" HOLE TO SECTION 3/8" BAKER RSS-MWD/GR BHA, DIRECTIONAL DRILL 8-(5' TVD INTO UNZA S3 3/8" HOLE SECTION. SUB LAYER)	DIRECTIONAL DRILL 8- MILL, TD AT 16,186' MD/15,558'	32 KM SOUTH OF HARADH BRIDGE ON KHARKHIR ROAD, LEFT 15 KM ON BLACKTOP, RIGHT 5 KM ON SKID ROAD.	22.8 (02/04/2023@1100)	

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
12060	4 1/2	15304	16605	16300	9 5/8	11898	11898	4	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
01.0	0500 - 0600	0-1	8 3/8	N	DRLG	CIRC	MPMP	RIG	12060	12060			DRESS 8-3/8" WINDOW MANY TIMES WITH AND WITHOUT ROTATION AND CIRCULATION. NO OBSTRUCTION.
02.5	0600 - 0830	0-1	8 3/8	N	DRLG	CIRC	MPMP	RIG	12060	12060			PUMP HI-VIS SWEEP & CIRCUALTE HOLE CLEAN.
00.2	0830 - 0845	0-1	8 3/8	N	DRLG	WCNT	NA	RIG	12060	12060			FLOW CHECK - WELL STATIC.
00.5	0845 - 0915	0-1	8 3/8	N	DRLG	ST	STD	RIG	12060	12060	12060	11898	POOH WITH 8-3/8" WIS MILLING ASSY ON 5-1/2" DP TO 9-5/8" CASING SHOE. MAINTAIN TRIP SHEETS - OK.
00.5	0915 - 0945	0-1	8 3/8	N	DRLG	WCNT	NA	RIG	12060	12060			FLOW CHECK - WELL STATIC. PUMP SLUG.
04.5	0945 - 1415	0-1	8 3/8	N	DRLG	TO	STD	RIG	12060	12060	11898	1304	POOH WITH 8-3/8" WIS MILLING ASSY ON 5-1/2" DP TO TOP OF BHA. MAINTAIN TRIP SHEETS - OK.
00.2	1415 - 1430	0-1	8 3/8	N	DRLG	WCNT	NA	RIG	12060	12060			FLOW CHECK AT TOP BHA - WELL STATIC.
02.0	1430 - 1630	0-1	8 3/8	N	DRLG	HT	BHA	RIG	12060	12060			POOH & L/D 8-3/8" WIS MILLING ASSY. BREAK OUT AND L/D BAKER UBHO SUB & WIS MILLS. > LEAD MILL 1/16" UNDER-GAUGE. > FOLLOW MILL IN-GAUGE.
00.5	1630 - 1700	0-1	8 3/8	N	DRLG	RR	TDS	RIG	12060	12060			RIG SERVICE - TOP DRIVE.
03.5	1700 - 2030	0-1	8 3/8	N	DRLG	HT	BHA	BHI	12060	12060			HPJSM. P/U AND M/U NEW 8-3/8" ULTERA PDC BIT (TYPE: U616MD1, SN: 62968, 6-3/4" BHI AUTOTRAK, 6-3/4" BHI MWD TOOL, 6-3/4" BHI LCPM, 6-3/4" BHI STAB STRING, 6-3/4" BHI FLOAT SUB, 6-1/2" BHI FILTER SUB, XO, 3 X 5-1/2" HWDP JTS, 6-3/4" NOV D/JAR (SN: 474-651408), 26 X 5-1/2" HWDP JTS. > DATA PROGRAMING TOOLS -OK. > BHI PRE-VERIFICATION RSS-MWD TOOLS. > SHALLOW TEST BHI MWD TOOLS W/ 1100 PSI AT 500 GPM. > BHI DOWN LINK TOOLS -OK.
05.5	2030 - 0200	0-1	8 3/8	N	DRLG	TI	STD	RIG	12060	12060	966	12034	RIH WITH 8-3/8" BAKER RSS & MWD/GR BHA ON 5-1/2" DP TO TOW @ 12,034'. > FILL & BREAK CIRC. EVERY 20 STD. > TEST MWD EVERY 40 STAND. > MAINTAIN TRIP SHEETS - OK.
01.0	0200 - 0300	0-1	8 3/8	N	DRLG	CIRC	MPMP	RIG	12060	12060			PASS THRU WINDOW WITH NO CIRCULATION OR ROTATION TO BTM OF RAT HOLE @ 12,060'. NO OBSTRUCTION. > TAG BOTTOM AND FLUSH THE SAME WITH 25 HI-VIS. > RECORD DRLG PARAMETERS AND TAKE SCR.
02.0	0300 - 0500	0-1	8 3/8	N	DRLG	D	RSS	BHI	12060	12064			PATTERN BIT, DRILL 8-3/8" HOLE WITH BAKER RSS & MWD/GR BHA WITH 110 PCF OBM AND 100% CIRCULATION. > PUMP 25 BBLS HI-WT PILL SWEEP EVERY STAND. > FOLLOW INTEGRATED HORIZONTAL DRILLING PRACTICES VER 2.0. > DRILL W/ CONTROLLED PARAMETERS UNTIL STABILIZER OUT OF WINDOW.

=====ARAMCO PERSONNEL=====

> ARAMCO CLERK YUBARAJ KHATRI #8961425 ON LOCATION.

> ARAMCO PDP BARAA JUMAH #798716 ON LOCATION SINCE 02/17/2023.

=====SERVICE COMPANY PERSONNEL=====

> EMEC MUD ENG ON LOCATION.

> BAROID MUD ENG ON LOCATION.

> WIS WHIPSTOCK CREW & EQUIPMENT ON LOCATION SINCE 02/09/2023.

> BAKER DIRECTIONAL CREW AND EQUIPMENT ON LOCATION SINCE 02/23/2023.

> M-I SWACO CENTRIFUGE ENGINEER & EQUIPMENT ON LOCATION SINCE 02/24/2023.

=====RENTAL EQUIPMENT & TOOLS=====

> NOV 6-1/2" DRILLING JAR SN#474-651408 ON LOCATION SINCE 02/24/2023 @ 12:00. (P/U ON 02/26/2023 @ 18:30).

> NOV 3 SIDE CUTTING BOX ON LOCATION SINCE 02/23/2023 @ 10:00.

> M-I SWACO 3 SIDE CUTTING BOX ON LOCATION SINCE 02/25/2023 @ 10:30.

> 100 BBL OF 20% VDA SLB ACID ON LOCATION SINCE 02/26/2023 @ 17:00.

=====HSE=====

> DRILLS: 1 X TRIP DRILL.

> NEAR MISS: NONE.

> OBSERVATIONS: NONE.

> REVIEWED HSE ALERTS: NONE.

> IMPLEMENTING CLOSED LOOP DRILLING PRACTICE.

=====DIRECTIONAL DATA=====

> FOLLOWING APPROVED DIRECITONAL PLAN: MDRK-28 L1 PLAN03 14DEC22 ME.

> SENSOR OFFSET: NBI: 6.74', GR: 12.35', DIRECTIONAL: 22.42'.

=====OPERATION=====

> ODF CORRECTION TO ADES-798 RIG = 35 FT TO RIG DPS-74 = 35 FT: - 0 FT CORRECTION.

> 8 3/8" WIS OH WHIPSTOCK: TOW: 12,034', BOW: 12,048', BOTTOM OF RATHOLE: 12,060'.

=====RIG VISIT=====

=====GDWD COST OPTIMIZATION=====

=====WELLSITE SERVICES=====

> TUWAIRSH SPRAY TANKER DRSS #1003655704 ON LOCATION FROM 09/01/2022.

> DOOR NO: 803, PLATE NO: 4006.

=====HSE FINDINGS STATUS=====

> FINDINGS STATUS 3MCI: 26; 26 ITEMS CLOSED/ 0 ITEMS OPEN.

> FINDINGS STATUS RHSEI: 31: 31 ITEMS CLOSED/ 0 ITEMS OPEN.

=====NEXT WELL=====

> 1ST WELL MDRK-20: PRE-WORKOVER MEETING HELD 01/25/2023.

> 2ND WELL NJYN-32: LOCATION 100% READY.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS	
MUD DATA	Weight <b>110</b>	PCF <b>68</b>	Funnel Vis. <b>SEC</b>	Filtrate(WL) <b>2</b>	HTHP	Filtrate (WL) API	PV <b>38</b>	YP <b>16</b>	Electrical Stability <b>465</b>	Volts	3/6 RPM <b>7 / 8</b>	Gels Sec/Min <b>8 / 11</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>21000</b>	
	FL Temp <b>130</b>		Cake HTHP <b>1</b>	Cake API <b>0</b>		Water Vol. % <b>15</b>	Oil Vol. % <b>55</b>	Solids Vol. % <b>30</b>	Sand Vol. %	% LGS <b>5</b>	MBT <b>0</b>	Mud type <b>INOVRT</b>	Water Well # <b>MDRK-813</b>			
	Weight <b>110</b>	PCF <b>65</b>	Funnel Vis. <b>SEC</b>	Filtrate(WL) <b>2</b>	HTHP	Filtrate (WL) API	PV <b>38</b>	YP <b>15</b>	Electrical Stability <b>440</b>	Volts	3/6 RPM <b>7 / 8</b>	Gels Sec/Min <b>8 / 11</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>21000</b>	
	FL Temp <b>130</b>		Cake HTHP <b>1</b>	Cake API <b>1</b>		Water Vol. % <b>15</b>	Oil Vol. % <b>55</b>	Solids Vol. % <b>30</b>	Sand Vol. %	% LGS <b>5</b>	MBT <b>0</b>	Mud type <b>INOVRT</b>	Water Well # <b>MDRK-813</b>			
MUD TREATMENT	<b>BDF 513 BARITE CAOH2</b> <b>7(55LB) 8(5000L) 4(55LB)</b>															
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out					
	<b>13</b>	<b>M432</b>	<b>8.375</b>	<b>ULTR</b>	<b>62968</b>	<b>U616MD1</b>	<b>/ 6 X 14 /</b>	<b>0.902</b>	<b>12060</b>	<b>12064</b>						
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
												<b>2100</b>	<b>400</b>	<b>143</b>	<b>245.77</b>	<b>62</b>
DRILL STRING	Float	<b>Y</b>														
	BHA Hrs:	<b>2</b>														
	String Wt.	Pick Up		Slack Off		Rot. Torque			Jars:			<b>/ 2</b>		Shock Sub:		
	<b>320</b>	<b>325</b>		<b>315</b>		<b>5000</b>			Serial #/Hrs			<b>/</b>		Mud Motor:		
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	<b>1</b>	Bit			<b>ULTR</b>	<b>8.375</b>	<b>1</b>	<b>8.375</b>	<b>0</b>	<b>0.81</b>	<b>4-1/2" REG</b>		<b>0</b>			<b>62968</b>
	<b>2</b>	RSS			<b>BHI</b>	<b>6.75</b>	<b>1</b>	<b>6.75</b>	<b>1.437</b>	<b>9.35</b>	<b>T-2</b>	<b>4-1/2" REG</b>	<b>0</b>			<b>15114635</b>
	<b>3</b>	Measurement While Drilling (MWD)			<b>BHI</b>	<b>8.25</b>	<b>1</b>	<b>6.75</b>	<b>3</b>	<b>15.64</b>	<b>T-2</b>	<b>T-2</b>	<b>0</b>			<b>11800471</b>
	<b>4</b>	BCPM. Bi-directional Communication and Power Module			<b>BHI</b>	<b>6.75</b>	<b>1</b>	<b>6.75</b>	<b>3</b>	<b>12.66</b>	<b>4-1/2" IF</b>	<b>T-2</b>	<b>0</b>			<b>14693921</b>
	<b>5</b>	Stabilizer			<b>BHI</b>	<b>8.25</b>	<b>1</b>	<b>8.25</b>	<b>2.75</b>	<b>5.18</b>	<b>4-1/2" IF</b>	<b>4-1/2" IF</b>	<b>0</b>			<b>ZIBS2023836</b>
	<b>6</b>	Float Sub			<b>BHI</b>	<b>6.75</b>	<b>1</b>	<b>6.75</b>	<b>2.25</b>	<b>3.45</b>	<b>4-1/2" IF</b>	<b>4-1/2" IF</b>	<b>0</b>			<b>15543648</b>
	<b>7</b>	Filter Sub			<b>BHI</b>	<b>6.75</b>	<b>1</b>	<b>6.5</b>	<b>3</b>	<b>5.33</b>	<b>4-1/2" IF</b>	<b>4-1/2" IF</b>	<b>0</b>			<b>13855733</b>
	<b>8</b>	Filter Sub			<b>BHI</b>	<b>6.75</b>	<b>1</b>	<b>6.5</b>	<b>3</b>	<b>7.01</b>	<b>4-1/2" IF</b>	<b>4-1/2" IF</b>	<b>0</b>			<b>BHWDSXCX2929</b>
	<b>9</b>	Crossover			<b>RIG</b>	<b>6.562</b>	<b>1</b>	<b>6.375</b>	<b>2.75</b>	<b>2.1</b>	<b>XT-54</b>	<b>4-1/2" IF</b>	<b>0</b>			<b>36436-13A</b>

10	Heavy Weight Drillpipe (HWDP)	RIG	5.5	3	5.5	3.25	93.18	XT-54	XT-54	0					
11	Hydraulic Jar	NOJ	6.5	1	6.5	2.25	31.48	XT-54	XT-54	0					474-651408
12	Heavy Weight Drillpipe (HWDP)	RIG	5.5	26	5.5	3.25	796.59	XT-54	XT-54	0					
13	Drillpipe	RIG	5.5	1	5.5	4.67	1	XT-54	XT-54	0					

Miscellaneous	BOP Test 02/24/2023	BOP Drills TWICE A WEEK	Wind NORMAL	Sea ONSHORE	Weather SEASONAL	DSLTA	Safety Meeting PRE-TOUR MEETING																				
	Real-Time Data Quality		Sensors Quality		100%	Data Frequency	100%	Real-Time Hrs	11.49/24 hrs																		
	COMPANY	ULT	RZT	WI3	BHI	RIG	BAR	EMC	NOJ	RIG	ARM	MI2	OTH	BWM	ARM	MI3											
Personnel and Services Information	CATEGORY	BITS	CTRG	WPSTK	DPDS	RIG	DFMS	DFMS	JST	OTHR	OTHR	SCS	VAC	WMS	WSC	WMS											
	NO. OF PERSONS	1	14	2	3	46	1	1	0	11	2	2	1	0	3	0											
	OPERATING HRS.	12	0	11.5	12	24	12	12	10.5	0	12	0	0	0	24	24											
	ON LOCATION HRS.	24	24	24	24	24	24	24	0	24	24	24	24	0	24	0											
Trucks/Boats	Standby/Tankers <b>AB-6312</b>	<b>CREW BUS</b>	<b>RIG AMBULANCE</b>																								
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>551</b>	Barite- SX <b>233</b>	Bentonite - SX <b>53</b>	Cement G- SX <b>1200</b>																					
REPAIR ASAP	Instrumentation	Other														Reporter											
	Computer, Communication & V-Sat Issues																										

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Total

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Date	MONDAY 02/27/2023	Well No (Type) :	Rig DQ-47		Foreman(s) Engineer Superintendent	<a href="#">ALBAIJI, ABDULAZIZ MANNA/ MELKEM, ABDERRAHMANE/ ALNUWAISER, AHMAD SALEH/ MUTARI, NAIF MUTLAQ</a>			
Charge (66- 22051-#: 0525)	Wellbores: (0) KHRs_525_0	THURAYA	RIG FORMAN VSAT	OTHER VSAT	OTHER VSAT	CONTRACTOR/CLERK VSAT	00882167771193	0135784190	BAKER 0138137813 DQ 0138807799 0135784184

Depth	Last 24 hr operations				Next 24 hr plan				Location	Days Since Spud/Comm (Date)				Formation tops	
Prev. Depth										Last Csg Size	MD	TVD	Footage	Circ %	
Hrs	(From - To)	Lateral	Hole size	Cap.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Start	End	Start	End	Summary of Operations
01.0	0500 - 0600	0	28	N	DRLG	HT	BHA	RIG	150	150					M/U & RIH WITH 28" BHA, WASH DOWN & TAG CEMENT @ 90'.
01.8	0600 - 0745	0	28	N	DRLG	DC	TDS	RIG	150	150	90	150			DRILL OUT CEMENT FROM 90' TO BTM HOLE @ 150' WITH 64 PCF SPUD MUD & 100% RETURN.
00.2	0745 - 0800	0	28	N	DRLG	D	TDS	RIG	150	159					CONT DRILLING 28" HOLE FROM 150' TO 159' WITH 64 PCF SPUD MUD & 100 RETURNS. - SWEEP HOLE WITH 50 BBL HI-VIS EVERY 10' DRILLED. - HAD TOTAL LOSSES @ 159'.
01.5	0800 - 0930	0	28	N	DRLG	D	TDS	RIG	159	200					CONT DRILL 28" HOLE FROM 159' TO CP @ 200' WITH 64 PCF SPUD MUD & 0% RETURNS. - SWEEP HOLE WITH 50 BBL HI-VIS EVERY 10' DRILLED.
00.5	0930 - 1000	0	28	N	DRLG	CIRC	MPMP	RIG	200	200					SWEPT HOLE WITH 50 BBL HI-VIS & CHC WTIH 0% RETURN. - SPOT 100 BBLS HVP ON BTM.
00.5	1000 - 1030	0	28	N	DRLG	ST	STDP	RIG	200	200	200	200			POOH WIPER TRIP TO CSG SHOE & RIH BACK TO BTM, - OPEN HOLE IS IN GOOD CONDITION.
00.5	1030 - 1100	0	28	N	DRLG	CIRC	MPMP	RIG	200	200					SWEEP HOLE WITH 50 BBL HI-VIS & CHC WITH 0% RETURN. - SPOT 100 BBLS HVP ON BTM.
00.5	1100 - 1130	0	28	N	DRLG	HT	BHA	RIG	200	200					POOH 28" ROTARY DRLG BHA TO SURFACE & RACK BACK BHA. - BIT DULL: 1-1-WT-A-E-I-NO-TD.
01.2	1130 - 1245	0	28	N	CSG	HT	PEL	BCR	200	200					R/D DP HANDLING EQUIPMENT, R/U BAKER 24" CSG RUNNING EQUIPMENT. - R/D 30" RISER & R/U CELLAR PUMP.
01.5	1245 - 1415	0	28	N	CSG	RW	CSG	RIG	200	200	0	200			HPJSM. P/U & RIH WITH 24" CSG TO 200' (5/5 JTS) & CHC. - 24" WFD ISC FS + 5 JT 24" CSG (176#, JV-LW, X-42, FBE). - CHECKED FLOAT FUNCTION, OK. - FULL WELD FLOAT SHOE TO 1ST CSG JT.
01.0	1415 - 1515	0	28	N	CSG	OTH	CSG	TK2	200	200					P/U & M/U 5" CMT STINGER & RIH ON DRIFTED 5" DP. - INSTALLED 5" X 24" CENTRALIZER ABOVE STINGER. - STING INTO 24" STAP IN SHOE, CHECK SEALS INTEGRITY - OK.
00.5	1515 - 1545	0	28	N	CSG	OTH	CSG	TK2	200	200					HELD PJSM, R/U CMT LINES & P/T SURFACE LINES TO 2000 PSI, OK.
01.2	1545 - 1700	0	28	N	CSG	CMC	CSG	BCM	200	200					PERFORMED 24" CSG CMT JOB AS PER PROGRAM: - PUMP 80 BBLS BH SPACER. - CMT UNIT PUMP 99 BBLS 125 PCF CMT. WITH NO RETURN TO SURFACE. - DROP DART, DISPLACE WITH 2 BBLS CMT + 1.4 BBLS WATER, BUMPED DART WITH 700 PSI - BLEED OFF & CONFIRM FLOATS HOLDING, APPLY 200 PSI & STING OUT OF THE CSG SHOE. - NO CMT AT CELLAR.
04.5	1700 - 2130	0	28	N	CSG	TOP	CSG	BCM	200	200					WOC, MEANWHILE: - FLUSH CMT LINES & 5" DP. - POOH 5" DP & CMT STINGER (SEALS IN GOOD CONDITION). - PERFORMED TOP JOB AS FOLLOWS: - PUMPED 1 X 25 BBLS CMT 118 PCF, STATIC LEVEL AT CELLAR. - P/U & M/U 3 STD'S 5" DP. - CLEAN CELLAR, FINAL CUT 30" CSG, WELD 24" CSG SUPPORTS, PADEYES & SECURED 24" CSG WITH CHAIN BLOCKS & "H" BEAMS TO SUBSTRUCTURE. - FINAL CUT 30" CSG, WELD C-PLATES.
02.0	2130 - 2330	0	28	N	CSG	OTH	CSG	TK2	200	200					ROUGH CUT 24" ABOVE GROUND LEVEL & L/D CUT OFF JOINT, INSTALL 24" RISER, WELDED 2" NIPPLE AND LINE UP TO TRIP TANK.
01.2	2330 - 0045	0	28	N	DRLG	HT	BHA	RIG	200	200					HPJSM, L/D 28" BIT, 28" NBRR & 28" STRR FROM MAST.
02.0	0045 - 0245	0	22	N	DRLG	HT	BHA	RIG	200	200					HPJSM, M/U & RIH 22" ROTARY DRLG BHA, TAGGED TOC AT 195'. - BHA: (22" BIT (VGA-C310H, 3X14CJ X 3X18), NBRR (W/ FLOAT), SHOCK SUB (W/ TOTCO RING), STRR, 1 X 9-1/2" DC, STRR, 3 X 9-1/2" DC, X/O, 9 X 8-1/2" DC, JAR, 2 X 8-1/2" DC, XO, 27 X HWDP (PU BHA WHILE DRLG). - HYDRO TEST 24" CASING, OK.
01.2	0245 - 0400	0	28	N	DRLG	DC	TDS	RIG	200	200	190	200			DRILL OUT CEMENT & FLOAT SHOE F/195' TO 201'.
00.5	0400 - 0430	0	28	N	DRLG	D	TDS	RIG	200	205					ROTARY DRILL 22" HOLE F/ 201' T/ 205', 65 PCF SPUD MUD, 100% RETURN. HAD TOTAL LOSSES @ 205 FT. - WOB: 15-20 KLBS, RPM: 40-50, TQ: 5-6 KFT-LB, FR: 200-230 GPM, SPP: 120-150 PSI. - DRILL WITH CONTROLLED PARAMETERS. - OBSERVE 24" CASING AND CELLAR.
00.5	0430 - 0500	0	28	N	DRLG	D	TDS	RIG	205	205					CONT BLIND DRILL 22" HOLE F/ 205' T/ 227' WITH 64 PCF SPUD MUD & NO RETURNS. - DRILL W/ CONTROLLED PARAMETERS. - OBSERVE 24" CASING AND CELLAR.



Trucks/Boats	Standby/Tankers					
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX <b>1600</b>
REPAIR ASAP	Instrumentation	Other				Reporter

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Date	MONDAY 02/27/2023	Well No (Type) :	KHRS-1747 (SLANTED PILOT HOLE + DUAL LATERAL POWER WATER INJECTOR WELL TARGETING LOWER FADHILI (LFDL) RESERVOIR)	Rig DQ- 48	Foreman(s) Engineer Superintendent	ISMAEL, AYMAN AHMED/ ELKAWASS, AMIR ABDELHAMID/ MUTAIRI, NAIF MUTLAQ
THURAYA	RIG FORMAN VSAT 5784257	OTHER VSAT	BAKER 013 813 7816	CONTRACTOR/CLERK VSAT 5784256	CONTRACTOR/CLERK VSAT 5784254	

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
7323	BAKER COLLECT FLUID SAMPLE IN 8 1/2" OPEN HOLE, [[PLAN 17 SAMPLE] IN 8 1/2" OPEN COLLECT 9 SAMPLE# & 5 PUMP OUT ], WORK TO COLLECT SAMPLE POINT #15 @ 5182 FT.	BAKER COLLECT FLUID SAMPLE 253 KM F/DHAHRAN MAIN GATE, 192 KM FROM ABQAIQ MAIN GATE, RIG LOCATED 7.35 KM E OF KHRS GOSP-3.	25.5 (02/01/2023@1600)	BUWB 3015 2 FT DEEPER AS PER RCC. YAMM 3372 9 FT SHALOWER AS PER GOC. SULY 3538 11 FT DEEPER AS PER GOC. HITH 4157 1 FT DEEPER AS PER GOC. ABAR 4615 1 FT DEEPER AS PER GOC. ARBB 4638 1 FT DEEPER AS PER GOC. ABBR 4738 1 FT DEEPER AS PER GOC. ARBC 4759 1 FT SHALOWER AS PER GOC. ABCR 4916 3 FT SHALOWER AS PER GOC. ARBD 5027 1 FT SHALOWER AS PER GOC. BADR 5418 31 FT SHALOWER AS PER GOC. HNIF 5722 ON DEPTH AS PER GOC. BUHR 6002 16 FT SHALOWER AS PER GOC. LFDR 6906 6 FT DEEPER AS PER GOC.	

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
7323	9 5/8		3062	3062	0			0	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		OOS ID	Summary of Operations					
									Start	End	Start	End							
07.0	0500 - 1200	0	8 1/2	E	LOG	LOG	WLT	BAW	7323	7323	5313	5313	6516	BHI LOGGING TOOLS RUN# 4 PCL LOG [ RCX ON GR ], CON'T WORK TO COLLECT SAMPLE# 11 / 17 SAMPLE @ 5313'. - USE MAGNA PKR @ 5313', COLLECT SAMPLE# 11 ( ARAB-D ZONE-1 ) @ 5313': TOTAL DUMPING IN ANNUL: 1.5 BBL / [ 90% OIL & 10% WATER ]. - MAX STATIONARY 4 HRS FOR EVERY POINT, MOVE & CONFIRMED STRG FREE, CYCLES [ 4 HRS + 4 HRS ]. - NO O/PULL OBSERVED WHILE MOVE & SCAN UP & DOWN. - MONITOR HOLE ON TRIP TANK, HOLE STATIC.					
06.0	1200 - 1800	0	8 1/2	E	LOG	LOG	WLT	BAW	7323	7323	5313	5295	6516	BHI LOGGING TOOLS RUN# 4 PCL LOG [ RCX ON GR ], WORK TO COLLECT SAMPLE# 12 / 17 SAMPLE @ 5295'. - USE MAGNA PKR @ 5295', COLLECT SAMPLE# 12 ( ARAB-D ZONE-1 ) @ 5295': TOTAL DUMPING IN ANNUL: 1 BBL / [ 90% OIL & 10% WATER ]. - MAX STATIONARY 4 HRS FOR EVERY POINT, MOVE & CONFIRMED STRG FREE, ONE CYCLE [ 4 HRS ]. - NO O/PULL OBSERVED WHILE MOVE & SCAN UP & DOWN. - MONITOR HOLE ON TRIP TANK, HOLE STATIC.					
04.0	1800 - 2200	0	8 1/2	E	LOG	LOG	WLT	BAW	7323	7323	5295	5279	6516	BHI LOGGING TOOLS RUN# 4 PCL LOG [ RCX ON GR ], WORK TO COLLECT SAMPLE# 13 / 17 SAMPLE @ 5279'. - USE STANDERRED PKR SAMPLE# 13 ( ARAB-D ZONE-1 ) @ 5279', NO SAMPLE COLLECT, ONLY PUMP OUT, TOTAL DUMPING IN ANNUL: 1.1 BBL / [ 80% OIL & 20% WATER ]. - MAX STATIONARY 4 HRS FOR EVERY POINT, MOVE & CONFIRMED STRG FREE, ONE CYCLE [ 4 HRS ]. - NO O/PULL OBSERVED WHILE MOVE & SCAN UP & DOWN. - MONITOR HOLE ON TRIP TANK, HOLE STATIC.					
05.0	2200 - 0300	0	8 1/2	E	LOG	LOG	WLT	BAW	7323	7323	5279	5247	6516	BHI LOGGING TOOLS RUN# 4 PCL LOG [ RCX ON GR ], WORK TO COLLECT SAMPLE# 14 / 17 SAMPLE @ 5247'. - USE MAGNA PKR @ 5247', COLLECT SAMPLE# 14 ( ARAB-D ZONE-1 ) @ 5247': TOTAL DUMPING IN ANNUL: 2.2 BBL / [ 100% OIL ]. - MAX STATIONARY 4 HRS FOR EVERY POINT, MOVE & CONFIRMED STRG FREE, ONE CYCLES [ 4 HRS ]. - NO O/PULL OBSERVED WHILE MOVE & SCAN UP & DOWN. - MONITOR HOLE ON TRIP TANK, HOLE STATIC.					
02.0	0300 - 0500	0	8 1/2	E	LOG	LOG	WLT	BAW	7323	7323	5247	5182	6516	BHI LOGGING TOOLS RUN# 4 PCL LOG [ RCX ON GR ], WORK TO COLLECT SAMPLE# 15 / 17 SAMPLE @ 5182' ON GOING @ R.TIME. - USE MAGNA PKR @ 5182', COLLECT SAMPLE# 15 ( PADS ) @ 5182': TOTAL DUMPING IN ANNUL: 0.1 BBL / [ 100% WATER ]. - MONITOR HOLE ON TRIP TANK, HOLE STATIC.  > TOTAL SAMPLE COLLECT 9 SAMPLE, 5 PUMP OUT & SAMPLE POINT#15 ON GOING, [ ORIGINAL PLAN: 13 SAMPLE & 3 PUMP OUT].					

Out of Scope Details										
From	Hrs	Cum. Hrs	DOOS ID	Type	Category	Out of Scope Summary				
13 Feb 0245	24	321.75	6516	OOS	LOG	BKR E/L LOGGING 8 1/2" PILOT HOLE.				

**WELL OBJECTIVE:**

THE FOLLOWING IS THE RECOMMENDED DRILLING PROGRAM FOR KHRS-1747 WELL WHICH WILL BE DRILLED AS SLANTED PILOT HOLE + DUAL LATERAL POWER WATER INJECTOR WELL TARGETING LOWER FADHILI (LFDL) RESERVOIR.

===== - ARAB-D / HNIF / LFDL GOR: 277 / 292 / 428 SCF/BBL.

- ARAB-D / HNIF / LFDL H2S: 1.12 / 3.47 / 0.0 - MOL %.

- RER 1/2 LFL: 125 M, RER 100 PPM: 472 M, RER 30 PPM: 837 M.

**===== WELL DATA =====**

- 24" CASING POINT PLAN / ACTUAL: 75 FT / 75 FT.

- 18 5/8" CONTINGENCY CASING POINT PLAN / ACTUAL: NOT RUN.

- 13 3/8" CASING POINT [ 100' TVD ABOVE SHUA'IBA] PLAN / ACTUAL: 1841' / 1670 FT.

- 9 5/8" CASING POINT [ +/- 50' TVD INTO BUWAIB] PLAN / ACTUAL: 3063' / 3062 FT.

- 8 1/2" PILOT HOLE PLAN / ACTUAL: 7271' / 7323 FT.

- 7" LINER POINT ( +/- 600 FT MD INSIDE LFDL ) PLAN / ACTUAL: 8623' / \*\*\* FT.

- 6 1/8" HOLE L-0 HZ IN LFDL PLAN / ACTUAL: 17341' MD / 6852' TVD : \*\*\* MD / \*\*\* TVD.

- 6 1/8" HOLE L-1 HZ IN LFDL PLAN / ACTUAL: 17517' MD / 6864' TVD : \*\*\* MD / \*\*\* TVD.

**===== PERSONNEL =====**

- LSTK BAKER DSV: SAIED MADY / DJAMAL CHARIFI, BH HSE: ALI JULAIH, BH SUPERINTENDENT: NO.

- MOHAMMED ALSHALAN ARAMCO PDP ID# 782886 ON LOCATION FROM 02/19/2023.

**===== SAFETY =====**

- SAFETY SUMMARY: CHEMICAL HAZARDS, DIFFERENT TYPE OF CHEMICALS, HAZCOM LABEL AND CHEMICAL HAZARDS RATING, HANDLING OF ALL KIND OF CHEMICALS , USE OF APPROPRIATE PPES FOR DIFFERENT KIND OF CHEMICALS, STORGAE REQUIREMENTS, DISCUSSED JSA FOR SPRAY PAINTING, HOUSEKEEPING, HAZARDS OF CLEANING AND PAINTING AT HEIGHT. WIRELINE HAZARDS AND SAFETY PRECAUTIONS.

- SAFETY MEETING: 02, PTW: 7, JSA: 7, STOP CARDS: 22.

- DAILY DRILLS: 0.

**===== AUDIT =====**

- 1ST WCE AUDIT (2022) TOTAL ITEMS: 5, CLOSED: 5 [100% CLOSED].

- 2ND RHSEI AUDIT (2022) TOTAL ITEMS: 52, CLOSED: 52 ITEMS [ 100% CLOSED].

- 4TH QTR PRE-AUDIT SELF-ASSESSMENT (11-2022) TOTAL ITEMS: 29, CLOSED: 29 ITEMS [ 100% CLOSED].

- 1ST QTR PRE-AUDIT SELF-ASSESSMENT (FEB-2023) TOTAL ITEMS: 39, CLOSED: 39 ITEMS, OPEN: 0 ITEMS [100% CLOSED].

**===== FLARE IGNITION SYSTEM =====**

- TEST IGNITION SYSTEM: 19 FEBRUARY 2023.

**===== VACUUM TANKER =====**

- N/A.

**===== DIESEL CONSUMPTION=====**

- DIESEL IN RIG+CAMP: 490 BBL.

- YEAR 2023 DIESEL CONSUMED: 2476 BBL.

- FEB OF 2023 DIESEL CONSUMED: 1160 BBL.

- DAILY DIESEL CONSUMED (RIG+CAMP): 53 BBL.

**===== NEXT WELL DATA=====**

- WELL NAME: KHRS-1430.

- LOCATION READINESS: 85 %

- APPROVED PROGRAM: YES & ERP: NO.

- WATER WELLS: N/A.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS		
MUD DATA	Weight <b>72 PCF</b>	Funnel Vis. <b>0 SEC</b>	Filtrate(WL) <b>5 HTHP</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0 Volts</b>	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>			
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>18</b>	Oil Vol. % <b>66</b>	Solids Vol. % <b>16</b>	Sand Vol. %	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>OBM</b>	Water Well # <b>KHRS-866, KHRS-916</b>				
	Weight <b>72 PCF</b>	Funnel Vis. <b>52 SEC</b>	Filtrate(WL) <b>4 HTHP</b>	Filtrate (WL) API	PV <b>20</b>	YP <b>21</b>	Electrical Stability <b>604 Volts</b>	3/6 RPM <b>10 / 11</b>	Gels Sec/Min <b>11 / 12</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>			
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>17</b>	Oil Vol. % <b>66</b>	Solids Vol. % <b>17</b>	Sand Vol. % <b>0</b>	% LGS <b>15.88</b>	MBT <b>0</b>	Mud type <b>OBM</b>	Water Well # <b>KHRS-866, KHRS-916</b>				
	Weight <b>72 PCF</b>	Funnel Vis. <b>54 SEC</b>	Filtrate(WL) <b>4 HTHP</b>	Filtrate (WL) API	PV <b>20</b>	YP <b>22</b>	Electrical Stability <b>610 Volts</b>	3/6 RPM <b>10 / 11</b>	Gels Sec/Min <b>11 / 12</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>			
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>17</b>	Oil Vol. % <b>66</b>	Solids Vol. % <b>17</b>	Sand Vol. % <b>0</b>	% LGS <b>15.88</b>	MBT <b>0</b>	Mud type <b>OBM</b>	Water Well # <b>KHRS-866, KHRS-916</b>				
MUD TREATMENT															
BIT DATA															
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class		
Miscellaneous	BOP Test <b>02/18/2023</b>	BOP Drills <b>02/18/2023</b>			Wind <b>NORMAL.</b>		Sea <b>N/A.</b>		Weather <b>NORMAL</b>		DSLTA	Safety Meeting			
	Real-Time Data Quality		Sensors Quality		100%	Data Frequency		100%	Real-Time Hrs		11.49/24 hrs				
Personnel and Services Information	COMPANY	TGC	BHI	RIG	BDF	BAW	TK2	ARM	TK2	ARM					
	CATEGORY	CTRG	DPDS	RIG	DFMS	LPS	OTHR	OTHR	WSC	WSC					
	NO. OF PERSONS	15	1	50	1	6	1	1	2	2					
	OPERATING HRS.	0	0	24	24	24	12	12	24	24					
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24					
													Total <b>79</b>		

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>KHRS-1410 (A SLANTED PILOT HOLE + TRILATERAL OIL PRODUCER (PH + PML))</b>	Rig <b>DQ- 49L</b>	Foreman(s) <b>DEMIRCAN, TOLGA/</b> Engineer <b>ALNUWAISER, AHMAD SALEH/</b> Superintendent <b>MUTAIRI, NAIF MUTLAQ</b>
Charge #: <b>(66- 22051- 1410)</b>	Wellbores: (0) KHRS_1410_0	THURAYA	RIG FORMAN VSAT <b>008821677712662 013-576-3216 (FOREMAN)</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>7714</b>	L/D BHA, RIG UP WIRELINE. M/U W/L BHA AND RIH. PERFORM OH LOG RUN#1 GR / CN / ZDL/ ADEX/ WGI / HDIL / MLL / MREX	PERFORM OH LOF RUN#1, POH, CONTINUE TO PEFROM OH LOGS AS PER PLAN	10 KM BEFORE KHAUR AIS VILLAGE FROM SOUTH	<b>13.5</b> (02/13/2023@1800)	ARUM 455 19' SHALLOWER / RCC WASI 1220 106' SHALLOWER / RCC SHUB 2220 22' SHALLOWER / RCC BYDH 2355 RCC BUWB 3420 3' DEEPER / RCC SULY 3943 41' SHALLOWER / GOC HITH 4579 19' DEEPER / GOC ABAR 5020 1' DEEPER / GOC ARBB 5040 6' SHALLOWER/GOC ABBR 5141 26' SHALLOWER / GOC ARBC 5156 2' SHALLOWER/GOC BADR 5798 5' SHALLOWER HNIF 6089 13' SHALLOWER/GOC BUHR 6397 83' SHALLOWER/GOC

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>7714</b>					<b>13 3/8</b>	<b>34803480</b>		<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		OOS ID	Summary of Operations	
									Start	End	Start	End			
00.5	0500 - 0530	0	8 1/2	N	DRLG	HT	BHA	BHI	7714	7714				CONT. L/D 8 1/2" MRSS BHA. - R/B 6 1/2" JAR, L/D 6 3/4" PBL SUB AND 8 1/2" BIT. - BIT DULL: 1-1-WT-G-X-I-NO-TD	
02.2	0530 - 0745	0	8 1/2	E	LOG	OTH	NA	BAW	7714	7714				HPJSM. R/U BKR W/L SHEAVES & HANDLING TOOLS. M/U BHI W/L LOGGING TOOLS RUN# 1 ( GR / CN / ZDL/ ADEX/ WGI / HDIL / MLL / MREX). - PERFORM SURFACE CHECKS AND TOOL CALIBRATION ON SURFACE BEFORE RIH. - LOADED RA SOURCE. - TOOL LENGTH: 167.28', MAX OD: 6.3".	
09.5	0745 - 1715	0	8 1/2	E	LOG	LOG	WLT	BAW	7714	7714	7714	3479		RIH BHI E/L LOGGING TOOLS RUN# 1 ( GR / CN / ZDL/ ADEX/ WGI / HDIL / MLL / MREX) TO BTM @ 7714'. - RECORDED REPEAT LOG (200') F/ 5500' T/ 5300'. - LOG UP MAIN PASS: * GR: FROM BTM @ 7714' TO SURFACE. * CN/ NEUTRON - ZDL/ DENSITY - HDIL/ RESISTIVITY: FROM BTM T/ 5100' (8-1/2" HOLE). * WGI/ CALIPER: FROM BTM TO 13-3/8" CSG SHOE @ 3479' (OPEN HOLE). - AVERAGE HOLE SIZE : * 8-1/2" HOLE: 8.69" & 12-1/4" HOLE: 12.41". - MAX RECORDED TEMP: 195 DEGF.  - MONITOR WELL THROUGH TRIP TANK, WELL STATIC	
01.0	1715 - 1815	0	8 1/2	E	LOG	LOG	WLT	BAW	7714	7714	3489	3489	6730	POOH TO CASING SHOE AND SEND DATA - WAIT FOR NMR LOG INTERVLAS - ( OOS).	
10.8	1815 - 0500	0	8 1/2	E	LOG	LOG	WLT	BAW	7714	7714	7714	6200	6730	RUN BACK FOR (MREX-ADEX-MLL) LOG TO BTM @ 7,714 FT. AND LOG INTERVALS AS PER ARAMCO REQUEST.ON GOING - (OOS). - LOG UP AS FOLLOWS: - LOG MAIN PASS FROM BTM @ 7,714' T/ 7,400' PP GAS ACQUISITION MODE. - LOG MAIN PASS F/ 6600' T/ 6200' PP GAS ACQUISITION MODE..ON GOING.  - MONITOR WELL THROUGH TRIP TANK, WELL STATIC.	

Out of Scope Details										Out of Scope Summary				
From	Hrs	Cum. Hrs		DOOS ID	Type	Category								
27 Feb 1715	11.75	11.75		6730	OOS	LOG		OOS OH LOGS						

KHRS-1410 DRILLED AS A SLANTED PILOT HOLE + TRILATERAL OIL PRODUCER (PH + PML) WELL TARGETING LOWER FADHILI (LFDL) RESERVOIR. THE WELL WILL BE DRILLED BY DQ-49L AND COMPLETED WITH BAKER ESP & HALLIBURTON SMART COMPLETIONS.

=====WELL DESIGN & WHIPSTOCK=====

\*\* 30" CP PLANNED/ACTUAL: 75' / 75'  
 \*\* 18-5/8" CP PLANNED/ACTUAL: 2,142' / 2,139'(81' ABOVE SHU'AIBA)  
 \*\* 13-3/8" CP PLANNED/ACTUAL: 3,467' / 3,480' (60 FT INSIDE BUWAIB)  
 \*\* 12-1/4" PILOT HOLE PLANNED/ACTUAL: 5,100'/5100'  
 \*\* 8-1/2" PILOT HOLE PLANNED/ACTUAL: 7,714'/7714'  
 \*\* 9-5/8" CP PLANNED/ACTUAL: 10,350' XXXXX' (300 FT BELOW TE)  
 \*\* L-1 : PLANNED/ACTUAL: 16,342' / XXXXX'  
 \*\* L-1-1: PLANNED/ACTUAL: 16,560' / XXXXX'  
 \*\* L-1-2: PLANNED/ACTUAL: 16,792' / XXXXX'

=====ARAMCO PERSONNEL ON LOCATION=====

- ARAMCO MATERIAL CONTROL MAN HASSAN ALQURAISHI # 816191 ON LOCATION SINCE 02/21/2023

=====LSTK PERSONAL ON LOCATION=====

\* BAKER DSV OMAR/MAHMOUD, BH HSE: HAMZA , BH SUPERINTENDENT: NO

=====SAFETY=====

IMPORTANCE OF HOUSEKEEPING DISCUSSED, IMPORTANCE OF TOOLS INSPECTION AND PROPER STORAGE DISCUSSED, LINE OF FIRE HAZARDS DISCUSSED,

WIRELINE JOB PRECAUTIONS SHARED, STOP WORK AUTHORITY POLICY DISCUSSED, GAME PLAN AND OPERATIONAL SAFETY DISCUSSED.

- PRE TOUR SAFETY MEETING: 02, PTW:05 , JSA: 09, STOP CARDS: 24, NM: 0

===== FLARE IGNITION SYSTEM =====

- TEST IGNITION SYSTEM: 23-FEB-2023

=====DIESEL CONSUMPTION=====

DIESEL CONSUMED (RIG+CAMP- BAKER LSTK) DAILY/TOTAL FOR WELL (BBLS):--- 50/1173 (FOR WELL KHRS-1410).

VACUUM TANKERS ON LOCATION NOVEMBER, 24-FEB-2023 REQUEST DRSS, DRSS: 1003852560

VACUUM TANKER - DOOR NO: 0139 - PLATE NO: 6182 ( 01 TRIP)

VACUUM TANKER - DOOR NO: 0121 - PLATE NO: 2315 ( 01 TRIP)

VACUUM TANKER - DOOR NO: 0104 - PLATE NO: 4813 ( 01 TRIP)

VACUUM TANKER - DOOR NO: 0112 - PLATE NO: 4805 ( 0 TRIP)

===== NEXT WELL =====

- KHRS-1427, N/A
- WATER WELL: N/A
- CHARGE ACCOUNT: 66-22051-1427
- LAST VISIT: N/A
- APPROVED ERP: N/A
- APPROVED DRILLING PROGRAM : N/A

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS	
MUD DATA	Weight <b>73</b> PCF	Funnel Vis. <b>54</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>14</b>	YP <b>25</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>9 / 10</b>	Gels Sec/Min <b>9 / 10</b>	PH <b>9.5</b>	CA PPM <b>0</b>	CL PPM <b>39500</b>				
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol.% <b>94</b>	Oil Vol.% <b>3</b>	Solids Vol.% <b>3</b>	Sand Vol.% <b>0</b>	% LGS <b>2.91</b>	MBT <b>2.5</b>	Mud type <b>NCPOL</b>	Water Well # <b>KHRS-924, KHRS-938</b>					
	Weight <b>73</b> PCF	Funnel Vis. <b>54</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>14</b>	YP <b>25</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>9 / 10</b>	Gels Sec/Min <b>9 / 10</b>	PH <b>9.5</b>	CA PPM <b>0</b>	CL PPM <b>39500</b>				
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol.% <b>94</b>	Oil Vol.% <b>3</b>	Solids Vol.% <b>3</b>	Sand Vol.% <b>0</b>	% LGS <b>2.91</b>	MBT <b>2.5</b>	Mud type <b>NCPOL</b>	Water Well # <b>KHRS-924, KHRS-938</b>					
MUD TREATMENT																
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out					
	<b>4</b>	<b>M223</b>	<b>8.5</b>	<b>HTC</b>	<b>7914810</b>	<b>TD506XV1</b>	<b>/</b>		<b>5100</b>	<b>7714</b>						
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
			<b>28</b>	<b>200</b>	<b>1</b>	<b>1</b>	<b>WT</b>	<b>A</b>	<b>X</b>	<b>0</b>	<b>2150</b>	<b>570</b>		<b>295.68</b>		<b>0</b>
DRILL STRING	Float	<b>Y</b>														
	BHA Hrs:	<b>72</b>														
	String Wt.	Pick Up	Slack Off		Rot. Torque			Jars: / <b>72</b>			Shock / <b>0</b>	Mud / <b>24</b>				
Miscellaneous	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
	BOP Test <b>02/20/2023</b>	BOP Drills <b>02/20/2023</b>	Wind <b>MODERATE</b>	Sea <b>NA</b>	Weather <b>SEASONAL</b>			DSLTA	Safety Meeting <b>PRE TOUR SAFETY MEETING</b>							
Real-Time Data Quality				Sensors Quality			100%	Data Frequency		100%	Real-Time Hrs		<b>11.49/24 hrs</b>			

Personnel and Services Information	COMPANY	TGC	BHI	RIG	BDF	TK2	RIG	ARM	TK2	ARM	BAW	
	CATEGORY	CTRG	DPDS	RIG	DFMS	OTHR	OTHR	OTHR	WSC	WSC	WLS	
	NO. OF PERSONS	15	2	50	1	4	8	1	2	2	7	
	OPERATING HRS.	0	0	24	24	24	12	24	24	24	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	
	Trucks/Boats	Standby/Tankers	DH-7548									Total 92
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX						
REPAIR ASAP	Instrumentation	Other										Reporter
	Computer, Communication & V-Sat Issues											

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Date	Well No (Type) :	Rig	Foreman(s)
MONDAY 02/27/2023	ABQQ-741 (SINGLE LATERAL OIL PRODUCER IN HNIF RESERVOIR)	DQ-50L	ALREFAEI, TAMER MOHAMED/ BENSAFI, HOUARI BOUMEDIENE/ ABABATIN, YASSER ABDULLATIF/ ALKHALDI, HAMAD AZZAM
Charge #:	(66- 22050- 0741)	THURAYA	RIG FORMAN VSAT
Wellbores: (0) ABQQ_741_0	008821677712365	OTHER VSAT	CONTRACTOR/CLERK VSAT
	5784360 (FOREMAN)	8137807 (BAKER)	5784362 (CLINIC)
			5784361 (CLERK)

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
8300	P/U & RIH 6-1/8" BAKER RSS/LWD/MWD BHA, DRLG 6-1/8" HZ HOLE TO 8,300 FT (2,321' REMAINING).	DRLG 6-1/8" HZ HOLE TO TD @ +/-10,621'.	0.056 KM N85E OF ABQQ-555 AND 0.154 KM S70W OF ABQQ-449.	25.4 (02/01/2023@1900)	UHFR 6973 5' DEEP AS PER GOC HND1 6981 5' DEEP AS PER GOC RUS 410 24' SHALLOWER AS PER RCC. UMER 635 24' SHALLOWER AS PER RCC. ARUM 1670 31' SHALLOWER AS PER RCC. LAMS 2200 23' DEEPER AS PER RCC. AHMD 2405 35' SHALLOWER AS PER RCC. SFNY 2690 78' SHALLOWER AS PER RCC. SHUB 3415 9' DEEP AS PER RCC. BYDH 3795 94' DEEP AS PER RCC. MDTM 4375 1' DEEP AS PER GOC SULY 4872 35' DEEP AS PER GOC HITH 5400 18' DEEP AS PER GOC ABAR 5872 9' DEEP AS PER GOC ARBB 5910 9' DEEP AS PER GOC ABBR 5953 5' DEEP AS PER GOC ARBC 5981 7' DEEP AS PER GOC ABCR 6049 4' DEEP AS PER GOC ARBD 6140 8' DEEP AS PER GOC PADS 6210 14' DEEP AS PER GOC BPDS 6215 13' DEEP AS PER GOC ABD1 6223 14' DEEP AS PER GOC AD1A 6226 10' DEEP AS PER GOC AD1B 6229 7' DEEP AS PER GOC AD1C 6236 6' DEEP AS PER GOC AD2A 6246 15' DEEP AS PER GOC ABDR 6247 5' DEEP AS PER GOC AD2B 6301 12' DEEP AS PER GOC AD3A 6431 28' DEEP AS PER GOC AD4 6473 18' DEEP AS PER GOC BDR 6515 18' DEEP AS PER GOC

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
7860	7	6013	7850	6973	9 5/8	6303	6209	440	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations				
									Start	End	Start	End			
03.0	0500 - 0800	0	6 1/8	N	DRLG	HT	BHA	BHI	7860	7860				CONT'D PU & MU 6-1/8" BKR RSS/LWD/MWD BHA WHILE RIH TO 505'. - BHA: 6-1/8" PDC BIT (TYPE: TD406K, SN:7916725) + ATK STEERABLE STAB + NB GAMMA + TORSIONAL VIBRATION ISOLATOR + MWD-STAB + NM STARTRAK + MWD-STAB + ONTRAK MWD + MWD-STAB+ BCPL + MWD SUB + SDN + STOP SUB + STRING STAB + FLOAT SUB + FILTER SUB + X/O + 6 X 4" HWDP + DOGLEG REAMER + 3 X 4" HWDP + 4-3/4" HYD JAR + 2 X 4" HWDP. - SENSOR OFFSETS FROM BIT: (NBI: 5.41', NB GAMMA: 10.99', RESISTIVITY IMAGE: 32.19', GAMMA: 41.97', PRESSURE: 44.60', RESISTIVITY: 49.16', DIRECTIONAL: 55.13', DENSITY: 85.03', AZIMUTHAL CALIPER: 87.38', NEUTRON: 93.84'). - SHALLOW TEST TOOLS W/ 280 GPM @ 1,340 PSI W/ 72 PCF MWT. - PERFORM TOOL PROGRAMMING VERIFICATION TEST-OK. - INSTALL RA SOURCE.	
04.0	0800 - 1200	0	6 1/8	N	DRLG	TI	STDP	TK2	7860	7860	505	7690		RIH W/ 6-1/8" BAKER RSS/LWD/MWD BHA ON 4"/5" DP STD'S F/ 505 FT TO 7,690 FT. - MONITOR WELL ON TT, STATIC.	
01.0	1200 - 1300	0	6 1/8	N	DRLG	SURV	MWD	BHI	7860	7860				TIME TO FILL STRG EVERY 20 STD'S, CHECK MWD TOOL READINGS, CALIBRATE DEPTH SENSOR AND CHANGE DP HANDLING TOOLS F/ 4" TO 5" SIZE.	
02.5	1300 - 1530	0	6 1/8	N	DRLG	LOG	LWD	BHI	7860	7860	7690	7860		RE-LOG F/ 7,690 FT T/ BTM @ 7,860 FT AS PER GOC.	
13.5	1530 - 0500	0	6 1/8	N	DRLG	DMR	HMRSS	BHI	7860	8300				BAKER RSS DRILL 6-1/8" HZ HOLE F/ 7,860 FT TO 8,300 FT WITH 72 PCF POLY MUD & 100% RETURN @ RPT. - FOLLOW ABQQ-741-0 REV-F.0 (PWP) & GOC INSTRUCTIONS. - DRILL WITH CONTROLLED PARAMETERS TILL BHA OUT OF SHOE. - DRILLING PARAMETERS: WOB: 10-20 KLB, RPM: 50-120 @ 3-4 / 6-8 K FT-LB OFF/ON BTM TQ, GPM 280 @ 1,800 PSI OFF/ON BTM PRESSURE. - NORMAL CUTTINGS WITH REASONABLE QUANTITIES OBSERVED AT SHAKERS. - FREQUENTLY CHANGE DRILLING PARAMETERS TO MITIGATE VIBRATIONS AS PER RO RECOMMENDATIONS. - WASH UP & REAM DOWN EACH STD. - SWEEP HOLE WITH 15/15 BBL LO-VIS/HWT PILL EVERY STD. - DISTANCE FROM PLAN: 2' ABOVE & 3.8' RIGHT.	

-----WELL OBJECTIVE-----

ABQQ-741 WELL, WHICH WILL BE DRILLED AS SINGLE LATERAL OIL PRODUCER IN HNIF RESERVOIR. THE WELL WILL BE DRILLED BY DQ-50 RIG AND COMPLETED WITH SLIDING SLEEVES ICDS AND WILL BE EQUIPPED WITH PDHMS FOR PRESSURE MONITORING.

-----WELL INFO-----

GOR: 727 SCF/BBL, H2S: HNIF 2.44 %, ARAB C 2.69%, ARAB D 2.25%

1/2 LFL: 168 M, RER 100 PPM: 513 M, RER 30 PPM: 1002 M

-----WELL DATA-----

- 34" SECTION-30" CSG PLAN/ACTUAL: 120'/115'.
- 28" SECTION-24" CSG PLAN/ACTUAL: 484'/452' [42' INTO RUS].
- 22" SECTION-18-5/8" CSG PLAN/ACTUAL: 2,490'/2,486' (81' INTO AHMADI FM).
- 16" SECTION-13-3/8" CSG PLAN/ACTUAL: 4,001' 4,100' (305' INTO BIYADAH FM).
- 12-1/4" SECTION-9-5/8" CSG PLAN // ACTUAL: 6,298' MD & 6,207' TVD // 6,303' MD & 6,209' TVD (2' TVD ABOVE ABD1).
- 8-1/2" SECTION-7" LINER PLAN // ACTUAL: 7,841' 6,966' MD/TVD // 7,850' / 6,973' MD/TVD [2' TVD ABOVE UHFR].

- 6-1/8" OH L0 TD PLAN // ACTUAL: 10,621' MD & 7,007' TVD / XXXX MD & XXXTVD.

-----PERSONNEL-----

- ARAMCO CLERK MOAYYED#818685 ON LOCATION SINCE 2-23-23.
- LSTK BH DSV: MOHAMMED/MAMDOUH, HSE: FAHIMM, BAKER S.I.: NO.

-----NEXT WELL-----

- BRR1-515

- WELL CHARGE NUMBER: 66-2105-0515

- PROGRAM & ERP: YES

- WATER WELL: SEA WATER.

- LAST VISIT DATE: 1-20-23

- LOCATION READY: 100%

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
0	8244	89.50	18.93	96	6988.5	1931.25	659.26	2040.67	0.81
0	8148	88.73	18.86	92	6987.01	1840.44	628.17	1944.68	0.22
0	8056	88.70	19.06	94	6984.95	1753.45	598.29	1852.7	1.96
0	7962	86.89	18.73	182	6981.33	1664.59	567.87	1758.78	2.58

MUD DATA	Weight 72 PCF	Funnel Vis. 42 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 9	YP 17	Electrical Stability 0 Volts	3/6 RPM 5 / 6	Gels Sec/Min 6 / 8	PH 0	CA PPM 0	CL PPM 0
	FL Temp 0	Cake HTHP 0	Cake API 1	Water Vol. % 90	Oil Vol. % 0	Solids Vol. % 10	Sand Vol. % 0	% LGS 7.7	MBT 0	Mud type WBM-NAC	Water Well # ABQQ-919	
	Weight 72 PCF	Funnel Vis. 45 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 9	YP 18	Electrical Stability 0 Volts	3/6 RPM 6 / 7	Gels Sec/Min 7 / 9	PH 0	CA PPM 0	CL PPM 0
	FL Temp 130	Cake HTHP 0	Cake API 1	Water Vol. % 90	Oil Vol. % 0	Solids Vol. % 10	Sand Vol. % 0	% LGS 7.7	MBT 0	Mud type WBM-NAC	Water Well # ABQQ-919	

MUD TREATMENT	CAUST	SODASH	BACT	XANPLEX-D	MLCRB-10V	MLCRB-20V	MLCRB-30V	MLCRB-5V	DRIL-STARCH
	4(55LB)	5(55LB)	14(55LB)	11(55LB)	12(55LB)	14(55LB)	22(55LB)	23(55LB)	22(55LB)

BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out			
	10RR	M233	6.125	HTC	7916725	TD406K / 3 X 16 / 0.589	7860	8300						
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure GPM	Jet Vel DP Av	DC Av	Bit HHP
	20	120					1800	300	164	341.75		40		

DRILL STRING	Float	Y												
	BHA Hrs:													
	String Wt.	Pick Up	Slack Off		Rot. Torque			Jars:		/	Shock	/	Mud	
	170	182	155		9000			Serial #/Hrs		/	Sub:	/	Motor:	
	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit	HTC	6.125		6.125		0.62	3.5 REG					7916725
	2	RSS	BHI	4.75	1	4.75	1.5	8.2	T2	3.5 REG				14948781
	3	Gamma Sub	BHI	5.15	1	5.15	1.33	4.26	T2	T2				15216132
	4	Measurement While Drilling (MWD)	BHI	4.88	1	4.88	3.8	32.1	T2	T2				13837958
	5	Measurement While Drilling (MWD)	BHI	5.25	1	5.25	1.33	23.49	T2	T2				14501762
	6	Modular Stabilizer	BHI	4.75	1	4.75	1.5	2.64	T2	T2				15100377
	7	BCPM. Bi-directional Communication and Power Module	BHI	4.75	1	4.75	2	17.11	T2	T2				15318159
	8	Sub	TK2	4.75	1	4.75	1.38	2.5	T2	T2				13544693
	9	Logging While Drilling (LWD)	BHI	4.75	1	4.75	1.5	14.4	T2	T2				13438657
	10	Stabilizer	BHI	5.25	1	5.25	1.18	9.79	T2	T2				STARTRAK
	11	Stop Sub	BHI	4.75	1	4.75	1.5	2.77	3.5 IF	T2				T10063765F
	12	Stabilizer	BHI	4.75	1	4.75	2	4.54	3.5 IF	3.5 IF				SDT11345
	13	Float Sub	BHI	4.75	1	4.75	2.25	3.31	3.5 IF	3.5 IF				15785880
	14	Filter Sub	BHI	4.75	1	4.75	2.25	5.48	3.5 IF	3.5 IF				14917427
	15	Crossover	TK2	4.875	1	4.875	2.25	1.67	XT39	3.5 IF				14299
	16	Heavy Weight Drillpipe (HWDP)	RIG	4	6	4	2.563	180	XT39	XT39	29			RIG
	17	Dogleg Reamer	NRT	6.125	1	5	2.688	6.88	XT39	XT39				DEP224585
	18	Heavy Weight Drillpipe (HWDP)	RIG	4	3	4	2.563	93.19	XT39	XT39	29			RIG
	19	Hydro-Mechanical Jar	NPC	4.75	1	4.75	2.25	32.54	XT39	XT39				HJDA-50009
	20	Heavy Weight Drillpipe (HWDP)	RIG	4	2	4	2.563	60	XT39	XT39	29			RIG
	21	Drillpipe	RIG	4	1	4	3.34	30	XT39	XT39	14	G105	P	RIG

Miscellaneous	BOP Test	BOP Drills	Wind	Sea	Weather	Safety Meeting			
	02/25/2023	02/25/2023	MOD	N/A	SEASONAL	DSLTA	TWICE		
	Real-Time Data Quality	Sensors Quality	100%	Data Frequency	100%	Real-Time Hrs	10.99	24 hrs	
	COMPANY	TGC	BHI	RIG	BDF	BR1	TK2	RIG	ARM
	CATEGORY	CTRG	DPDS	RIG	DFMS	MLS	OTHR	OTHR	OTHR
	NO. OF PERSONS	15	4	53	1	0	4	11	1
	OPERATING HRS.	0	24	24	24	0	0	12	24
	ON LOCATION HRS.	24	24	24	24	0	24	24	24

Trucks/Boats	Standby/Tankers												
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX	1700						
REPAIR ASAP	Instrumentation	Other	Computer, Communication & V-Sat Issues										Reporter

Date	Well No (Type) :	Rig	Foreman(s)
	KHRS-517 (TO SIDETRACK THE WELL AS A SINGLE LATERAL ACROSS HANIFA.)	DQ-57L	DJADLI, FOUAD/ HODANI, MAREE OTAF/ KHALDI, MOHAMMED SALEH
MONDAY 02/27/2023	Charge (71- 22051- #: 0517) Wellbores: (0- 2) KHRS_517_2	THURAYA +8821677712825	RIG FORMAN VSAT 013 578 4185
			RIG FORMAN VSAT 013 578 4079
			CONTRACTOR/CLERK VSAT 013 838 9364 HALL DSV
			CONTRACTOR/CLERK VSAT 053 137 0512 RM

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
9890	CONT SECURE WELL, RELEASE RIG TO KHRS-557, R/D ON KHRS-517, R/M & R/U ON KHRS-557.	R/D ON KHRS-517, R/M & R/U ON KHRS-557.	282 KM FROM DAHHRAN MAIN GATE.	27.1 (01/30/2023@0900)	HNIF 5306 9.1 FT SHALLOWER
Prev. Depth 9890	Liner Size 7	TOL 3848	MD 6338	TVD 5312	Last Csg Size 9 5/8 MD 4459 TVD 4400 Footage 0 Circ % 100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations			
									Start	End	Start	End						
05.0	0500 - 1000	0-2		C	COMP	SET	PLUGT	HSL	9890	9890	247	247	TF	909582	CONT HES S/L WORK AS FOLLOWS: - HES S/L RIH & RETRIEVE 3-1/2" MONOLOCK PLUG AT 215 FT(02 RUNS). - HES S/L RIH & SET NEW 3-1/2" MONOLOCK PLUG AT 247 FT (02 RUNS) PT PLUG TO 1000 PSI, HOLD.			
00.5	1000 - 1030	0-2		C	COMP	HT	PLUGT	HSL	9890	9890					HES S/L POOH, L/D SETTING TOOL & RD SLICK LINE LIBRUCATOR AND BOP.			
00.5	1030 - 1100	0-2		C	WH	OTH	NA	IWS	9890	9890					CLEAN & FILL CELLAR WITH SWEET SAND, INSTALLED WELL NAME PLATE, SECURE WELL. - DISTANCE FROM MID CROWN VALVE TO GROUND = 7.41 FT. - DISTANCE FROM WING VALVE TO GROUND = 6.03 FT. - DISTANCE FROM MID MASTER VALVE TO GROUND = 4.54 FT. - WING VALVE TO EAST AND VALVE OPERATOR TO NORTH.			
00.0	1100 - 1100	0-2		S	OT	RELS	NA	RIG	9890	9890					RIG RELEASED FROM KHRS-517 TO KHRS-557 ON FEBRUARY 26, 2023 @ 11:00 AM			

#### Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
26 Feb 0230 - 1000	5	7.5	909582		TF	FOT	PLUGT	HSL	215	3-1/2" SHALLOW MONOLOCK PLUG NOT HOLDING PRESSURE.

- ODF CORRECTION = -3 FT

#### PERSONNEL ONBOARD:

\*ARAMCO PERSONAL:

\* HALL. PERSONAL:

- LSTK DSV: REDOUANE, MOHEMED, SAFETY MAN: AHMED.

#### NEXT LOCATIONS:

\* KHRS-557: KOM HELD ON DEC 4 2022, STRIP OUT: 100%, LOCATION: 100% (HES S/L SECURED WELL W/ HES 4-1/2" MONOLOCK PLUG SET @ 1250' ON 01/25/2023), (CELLAR CHANGED ON 02/21/2023).

\* KHRS-56, KOM HELD ON FEB 21,2023, STRIP OUT: 0%, LOCATION: 0%.

#### DIESEL CONSUMPTION :

\* ENGINES DIESEL CONSUMPTION (RIG & CAMP): DAILY: 16 BBLS (CUMULATIVE FOR CURRENT WELL, KHRS-517 : 987 BBLS).

#### Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
MUD DATA MUD TREATMENT									
BIT DATA DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread
Miscellaneous	BOP Test 02/20/2023	BOP Drills	Wind NE 10 KM/H	Sea N/A	Weather SEASONAL	DSLTA	Safety Meeting RIH & SET 3-1/2" SHALLOW MONOLOCK PLUG		
Personnel and Services Information	Real-Time Data Quality	Sensors Quality	100%	Data Frequency	100%	Real-Time Hrs	6.74/24 hrs	Total 95	
	COMPANY	TGC	RIG	BAR	TK1	RIG	HSL	TK1	ARM
	CATEGORY	CTRG	RIG	DFMS	OTHR	OTHR	SLS	WSC	WSC
	NO. OF PERSONS	15	56	1	1	16	3	2	1
	OPERATING HRS.	0	6	6	6	6	6	6	6
	ON LOCATION HRS.	6	6	6	6	6	6	6	6
Trucks/Boats	Standby/Tankers DH4313	DQ AMBULANCE		WATER WELL ABJF-817, 52 KM F/ RIG					
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G-SX 1200			
REPAIR ASAP	Instrumentation	Other							Reporter
	Computer, Communication & V-Sat Issues								

Date <b>MONDAY</b> <b>02/27/2023</b>	Well No (Type) : <b>KHRS-557</b> <b>(DRILL PILOT HOLE, DEPLOY LOGS THEN SIDETRACK THE WELL AS A SINGLE LATERAL ACROSS HANIFA)</b> Charge #: <b>(71- 23051-#: 0557)</b> Wellbores: (0) KHRS_557_0	Rig <b>DQ-57L</b>	Foreman(s) <b>DJADLI, FOUAD/</b> Engineer <b>HODANI, MAREE OTAF/</b> Superintendent <b>KHALDI, MOHAMMED SALEH</b>	THURAYA <b>+8821677712825</b>	RIG FORMAN VSAT <b>013 578 4185</b>	RIG FORMAN VSAT <b>013 578 4079</b>	CONTRACTOR/CLERK VSAT <b>013 838 9364 HALL DSV</b>	CONTRACTOR/CLERK VSAT <b>053 137 0512 RM</b>
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Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>11127</b>	<b>R/D ON KHRs-517, R/M &amp; R/U ON KHRs-557</b>	<b>R/D ON KHRs-517, R/M &amp; R/U ON KHRs-557</b>	<b>241 KM FROM DMG.</b>	<b>0.0 (@)</b>	
Prev. Depth <b>11127</b>	Liner Size <b>7</b>	TOL <b>6604</b>	MD <b>7707</b>	TVd <b>5390</b>	Last Csg Size MD TVd Footage Circ % <b>9 5/8 68975377 0</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
18.0	1100 - 0500	0		N	RM	RD	NA	RIG	11127	11127			<p><b>HELD RIG MOVE SAFETY MEETING WITH ALL PERSONNEL, DISCUSS RIG MOVE OPERATIONS (LIFTING EQUIPMENT PROCEDURES, WORKING AT HEIGHT, ELECTRICAL SAFETY ISSUES &amp; PRECAUTIONS, SECURING LOADS &amp; STOP WORK AUTHORITY).</b></p> <p><b>RIG DOWN AT KHRS-517 &amp; RIG MOVE TO KHRS-557.</b></p> <ul style="list-style-type: none"> <li>- RIG DOWN AT KHRS-517: 30%.</li> <li>- RIG MOVE TO KHRS-557: 50%.</li> <li>- RIG UP AT KHRS-557: 5%.</li> </ul> <p><b>** RIG DOWN ACTIVITY:</b></p> <ul style="list-style-type: none"> <li>- R/D TDS &amp; RELATED EQUIPMENT,</li> <li>- R/D STANDPIPE MANIFOLD</li> <li>- R/D THE POORBOY &amp; CHOKER MANIFOLD.</li> <li>- DISCONNECT MUD TANKS &amp; PUMPS POWER CABLES</li> <li>- R/U RAISING LINE &amp; PREPARE FOR LOWERING SUBBASE &amp; MAST</li> <li>- MOVED MUD CHEMICALS &amp; STORE HOUSES.</li> </ul> <p><b>* AT NEW LOCATION KHRS-557:</b></p> <ul style="list-style-type: none"> <li>- SPOT &amp; CONNECT MUD SYSTEM INPROGRESS</li> </ul> <p><b>RIG MOVE DISTANCE: 18.5 KM.</b></p> <p><b>RIG RELEASED FROM KHRS-517 TO KHRS-557 ON FEB 26, 2023 @ 11:00 AM.</b></p> <hr/> <p><b>KHRS-557 SECURED WITH HES 4-1/2" MONOLOCK PLUG SET @ 1250 FT ON 01/25/2023.</b></p>

## - ODF CORRECTION = FT

## PERSONNEL ONBOARD:

## **\*ARAMCO PERSONAL:**

**\* HALL. PERSONAL:**

- LSTK DSV: REDOUANE, MOHEMED, SAFETY MAN: HASSAN.

## **NEXT LOCATIONS:**

\* KHRS-56, KOM HELD ON FEB 21,2023, STRIP OUT: 0%, LOCATION: 0%.

## DIESEL CONSUMPTION :

\* ENGINES DIESEL CONSUMPTION (RIG & CAMP): DAILY: 0 BBLS (CUMULATIVE FOR CURRENT WELL, KHRS-557 : 0 BBLS).

## Remarks





TREATMENT																	
BIT DATA																	
DRILL STRING	Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #																
Miscellaneous	BOP Test <b>02/13/2023</b>	BOP Drills <b>0 PIT; 0 TRIP DRILL</b>				Wind <b>5 -7 KTS NE</b>	Sea <b>1-2 FT</b>		Weather <b>CLEAR</b>	DSLTA		Safety Meeting <b>TOURLY</b>					
	Real-Time Data Quality		Sensors Quality			100%	Data Frequency		100%	Real-Time Hrs		11.49/24 hrs					
Personnel and Services Information	COMPANY	FMC	GOS	SDM	RIG	BDF	SMI	NRT	HMS	ARM	BCM	ARM	CRW	MIW			Total <b>87</b>
	CATEGORY	CSR	CTR G	DPDS	RIG	DFMS	DFMS	HO	MLS	OTHR	PCS	WSC	WBCS	WBCS			
	NO. OF PERSONS	1	12	3	58	1	1	1	4	0	2	2	1	1			
	OPERATING HRS.	0	0	0	24	12	12	0	0	0	0	24	0	0			
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	0	24	24	24	24			
Trucks/Boats	Standby/Tankers																
BULK	Drill Wtr.-BBLS <b>3563</b>	Pot Wtr.- BBLS <b>1471</b>		Fuel- BBLS <b>1388</b>		Barite- SX <b>4083</b>		Bentonite - SX <b>1059</b>		Cement G- SX <b>4020</b>							
REPAIR ASAP	Instrumentation	Other Computer, Communication & V-Sat Issues															Reporter

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D&WO Morning Report (Service Providers View)  
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 Daily OffShore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ZULF-2015 (HORIZONTAL WELL ACROSS KHFJ AQUIFER AND UTILIZED AS WATER INJECTOR)</b> Charge (66- 22062- #: 2015) Wellbores: (0- 1) ZULF_2015_1	Rig <b>ENS-108</b>	Foreman(s) <b>ABDELAZIZ, MOHAMED MAGDY/ HAMADA, RAMY AHMED/ ALAHMADI , RAYAN KHALID/ HAWSAWI, ABDULLAH OMAR</b>
		THURAYA <b>882167712633</b>	RIG FORMAN VSAT <b>6739329</b>

Depth <b>16300</b>	Last 24 hr operations <b>PURGED &amp; R/D E-COIL, OFFLOADED ACTIVE COIL, WOW, R/UP ACTIVE COIL &amp; COFLEX HOSES ON ZULF-2014, WOW.</b>	Next 24 hr plan <b>STAB IN CT, B/L E-COIL, RELEASE RIG F/ ZULF-2015, SKID TO ZULF-2014, R/U &amp; PT SWT &amp; SLB CT, SPOT MUD WASH AS PROGRAM.</b>	Location <b>ZULF 2010/2019</b>	Days Since Spud/Comm (Date) <b>74.3</b> (02/21/2023@0500)	Formation tops
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Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>16300</b>	<b>7</b>	<b>8663</b>	<b>13462</b>	<b>6242</b>	<b>9 5/8</b>	<b>90005978</b>		<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	LT TYPE	LT ID	Summary of Operations
									Start	End			
01.5	0500 - 0630	0-1		E	LOG	OTH	NA	SCT	16300	16300			CONT'D TO PURG E-COIL REEL WITH N2 & BLED OFF CT PRESSURE.
09.5	0630 - 1600	0-1		E	LOG	OTH	NA	SCT	16300	16300			SECURED SLB INJECTOR HEAD ON RIG FLOOR, STABBED OFF E-CT & REMOVED E-COIL REEL FROM POWER STAND. *MEANWHILE: R/D COFLEX HOSES, INTALLED BLIND FLANGE ON WING VALVE & R/D SCAFFOLDING ON ZULF-2015.
00.5	1600 - 1630	0-1		E	LOG	PJSM	NA	RIG	16300	16300			CREW CHANGED, HELD SAFETY STAND DOWN MEETING WITH ALL RIG CREW & SERVICE HANDS. *DISCUSSED RECENT INCIDENTS AND INJURIES, ARAMCO LIFE SAVING RULES AND STOP WORK AUTHORITY.
00.8	1630 - 1715	0-1		E	LOG	OTH	NA	RIG	16300	16300			TRANSVERSED RIG FLOOR 8' TO STBD TO BE ABLE TO OFFLOAD SLB ACTIVE CT.
01.2	1715 - 1830	0-1		E	LOG	OTH	NA	RIG	16300	16300			HPJSM, OFFLOADED SLB ACTIVE COIL REEL.
01.0	1830 - 1930	0-1		E	LOG	WO	NA	ARM	16300	16300		WON	909648 SUSPENDED OPERATIONS DUE TO LIGHTNING & THUNDERSTORM.
01.0	1930 - 2030	0-1		E	LOG	OTH	NA	RIG	16300	16300			HPJSM, PREPARED & HANGED SLB E-COIL REEL TO BACKLOAD. *MEANWHILE: ERECT SCAFFOLDING ON ZULF-2014.
01.2	2030 - 2145	0-1		E	LOG	WO	NA	ARM	16300	16300		WON	909648 SUSPENDED OPERATIONS DUE TO HEAVY RAIN AND HIGH WIND SPEED UP TO 38 KTS.
02.2	2145 - 0000	0-1		E	LOG	OTH	NA	ARM	16300	16300			CONT'D TO ERECT SCAFFOLDING ON ZULF-2014 & R/UP COFLEX HOSES. *MEANWHILE: WOW TO BACKLOAD E-COIL REEL TO SKID CANTILEVER.
00.5	0000 - 0030	0-1		E	LOG	PJSM	NA	RIG	16300	16300			HELD SAFETY STAND DOWN MEETING WITH ALL RIG CREW & SERVICE HANDS. *DISCUSSED RECENT INCIDENTS AND INJURIES, ARAMCO LIFE SAVING RULES AND STOP WORK AUTHORITY.
02.8	0030 - 0315	0-1		E	LOG	OTH	NA	RIG	16300	16300			INSTALLED SLB ACTIVE COIL ON POWER STAND. *MEANWHILE: R/U COFLEX HOSES ON ZULF-2014 & & WOW TO B/L E-COIL REEL TO SKID THE CANTILEVER.

00.8	0315 - 0400	0-1		E	LOG	OTH	NA	RIG	16300	16300					CENTERED RIG FLOOR TO STAB ACTIVE CT IN INJECTOR. MEANWHILE: R/UP COFLEX HOSES ON ZULF-2014 & & WOW TO B/L E-COIL REEL TO SKID THE CANTILEVER.
00.5	0400 - 0430	0-1		E	LOG	OTH	NA	SCT	16300	16300					HPJSM, STABBED SLB ACTIVE COIL IN SLB INJECTOR HEAD. *MEANWHILE: R/UP COFLEX HOSES ON ZULF-2014 & & WOW TO B/L E-COIL REEL TO SKID THE CANTILEVER.
00.5	0430 - 0500	0-1		E	LOG	WO	NA	ARM	16300	16300			WON	909648	SUSPENDED OPERATIONS DUE TO LIGHTNING & THUNDERSTORM.

**Lost Time Details**

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID		Type	Cause	Object	Resp Co	Depth	LT Summary
27 Feb 1830 - 0500	2.75	2.75	909648			WON	WTHR	NA	ARM	16300	SUSPENDED CRANE OPERATION DUE TO LIGHTNING, THUNDERSTORM & HIGH WIND SPEED.

\* ZULF-2015 WILL BE DRILLED AS A HORIZONTAL WELL THAT WILL BE COMPLETED ACROSS KHFJ AQUIFER AND UTILIZED AS WATER INJECTOR.

\* RIG HEADING: 329 DEG. RIG POSITION: ZULF-2010/2019 PF LAT: 28° 23.56' N & LONG: 049° 06.63' E.

\* WATER DEPTH: 109 FT, RKB TO MSL: 102 FT.

\* TRIP DRILL X 0, PIT DRILL X 0 (NDDTO).

\* WEEKLY DRILLS PERFORMED: 02/20/23.

\* DRILLS: ANNUAL SECONDARY DRILLS HELD 01/27/23.

\* WEEKLY H2S INSPECTION COMPLETED 02/24/23.

**LC-50 SAMPLES:**

\* LC-50 WBM MUD SAMPLE: SENT ON 6/4/2022 WITH M/V SEACOR LEOPARD, MF #2400565462.

\* LC-50 OBM MUD SAMPLE: SENT ON 07/02/2022 WITH M/V RAWABI-321, MF # 2400569897.

\* ARAMCO FCT ALI A. ALSHEHRI, #780250 ON BOARD SINCE 02/14/2023.

\* WELL PATH: 5.62 FT BELOW & 12.32 FT LEFT OF THE PLAN (ZULF-2015 L-0-1 PLAN 4, 19-OCT-22).

\* 32" CP AT 240' [29 FT TVD BELOW SEABED].

\* PLANNED 18-5/8" CSG AT 1,536' [50' TVD INTO RUS]. ACTUAL AT 1,550'.

\* PLANNED 13-3/8" CSG AT 5,150' [204' TVD INTO LAMS]. ACTUAL AT 5,109'.

\* PLANNED 9-5/8" CSG AT 9,000' [394' TVD INTO SFNY]. ACTUAL AT 9,000'.

\* PLANNED 7" LNR AT 13,165' [44' TVD INTO ZULUF KHAFJI D1 RSVR]. ACTUAL AT 13,462'.

\* PLANNED 6-1/8" TD AT 16,702' [ZULF KHAFJI F1 RSVR], ACTUAL AT 16,300'.

\* DAILY DIESEL CONSUMPTION FOR ENGINES: 42 BBLS, CUMULATIVE DIESEL CONSUMPTION PER WELL = 7224 BBLS.

\* NEXT LOCATION: ZULF-1240/1249 PF.

\* RM REQUEST: RIG MOVE MEETING RM-2022-4007658 SUBMITTED ON 8/17/2022, HELD ON 9/25/2022.

\* DEPRESSURIZATION: NEW PLATFORM.

\* PLATFORM DEBRIES SURVEY: SEABED SURVEY # 8800018579 SUBMITTED ON 9/14/2022, RECEIVED ON 9/25/2022.

\* BORE HOLE ANALYSIS DATA: SENT TO VALARIS ON 09/14/2022.

\* DIVING REQUEST:

**Remarks**

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS						
<b>MUD DATA</b>															
<b>MUD TREATMENT</b>															
<b>BIT DATA</b>															
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #	
Miscellaneous	BOP Test		BOP Drills		Wind E 16 KTS		Sea 3 FT		Weather SEASONAL			DSLTA		Safety Meeting	
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs		1.75/24 hrs	
Personnel and Services Information	COMPANY		SWA	A20	SCT	SCP	RIG	GDF	SWL	ARM	SCM	ARM	SWT	SAM	Total 94
	CATEGORY		ALS	CTRG	COIL	ICE	RIG	DFMS	LPS	OTHR	PCS	WSC	WTSE	WBCS	
	NO. OF PERSONS		3	13	8	1	53	1	2	1	1	2	8	1	
	OPERATING HRS.		0	0	3	0	24	0	0	12	0	24	0	0	

	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24
Trucks/Boats	Standby/Tankers										
BULK	Drill Wtr.-BBLS <b>1995</b>	Pot Wtr.- BBLS <b>1616</b>	Fuel- BBLS <b>1371</b>	Barite- SX <b>3717</b>	Bentonite - SX	Cement G- SX <b>3225</b>					
REPAIR ASAP	Instrumentation	Other									Reporter

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Computer, Communication & V-Sat Issues

Date	Well No (Type) :	Rig	Foreman(s)
MONDAY 02/27/2023	ABSF-120 (SIDETRACK ARBD RESERVOIR (1 HOLE SECTION)) Charge (71- 21019- #: 0120) Wellbores: (0) ABSF_120_0	ENSCO- 54	SAYED, AHMED KHAMIS/ AHMED, AMR ADEL/ ALIBRAHIM, MOHAMMED MOHSIN/ ZAHRANI, ALI IBRAHIM
THURAYA	RIG FORMAN VSAT 008821677711399	OTHER VSAT 673-4091 (FOREMAN) 673-2678 (RADIO ROOM)	CONTRACTOR/CLERK VSAT 673-7317 (CLERK)

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
10946	PERFORM INJECTIVITY TEST, POH, RIH 7" EZSV-CR ON BAKER E/L , SET SAME, RECORD CCL WHILE POH , RIH W/ STINGER ON 4" DP.	CARRY OUT INJECTIVITY, CEMENT SEQUEEZE JOB.POH STINGER, RIH. SET WHIPSTOCK. SHEAR BOLT.DISPLACE TO 76 PCF WBM, MILL WINDOW.	ABSF-120 IS LOCATED IN THE EAST CENTRAL SLOT OF PLATFORM ABSF 64/69 - 120/121	3.9 (02/23/2023@0800)	
Prev. Depth 10946	Liner Size	TOL	MD	TVD	Last Csg Size 7 MD 6821 TVD Footage 0 Circ % 100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations			
									Start	End	Start	End		
01.0	0500 - 0600	0		N	CT	CIRC	MPMP	RIG	0	0				
03.0	0600 - 0900	0		N	CT	HT	STRG	RIG	0	0				
02.0	0900 - 1100	0		N	CT	HT	BHA	RIG	0	0				
02.0	1100 - 1300	0		N	BOP	NU	SNIP	RIG	0	0				
01.5	1300 - 1430	0		N	PA	OTH	NA	BAW	0	0				
05.5	1430 - 2000	0		N	PA	OTH	NA	BAW	0	0				
01.5	2000 - 2130	0		N	BOP	NU	BNIP	RIG	0	0				
07.5	2130 - 0500	0		N	PA	HT	STRG	RIG	0	0				

\* RKB TO TBG SPOOL = 60.5 FT, ODF TO TBG SPOOL = 42.5 FT, CORRECTION = -18.0 FT.

\* RELIEF WELL #1: ABSF-16 (O), VERTICAL, 2.4 KM NE FROM ABSF-120 SURFACE LOCATION: N-2989044.00, E-455316.50; ZONE: 39 BOTTOM HOLE LOCATION: N-2989010.67, E-455303.86

\* RELIEF WELL #2: ABSF-52 (P), HORIZONTAL WELL, 3.0 KM SE FROM ABSF-120 SURFACE LOCATION: N-2985075.94, E-456549.32; ZONE: 39 BOTTOM HOLE LOCATION: N-2983304.11, E-456147.31

\* RE-SCHEDULE WELL SEQUENCE REVISED ON 16-JAN-2023 AS PER WOE REQUEST.

\* CURRENT PLATFORM

- PF ABSF-64/69, 120, WORKOVER WELL ABSF-120 (SIDETRACK).

\*\*\* RIG WILL BE OFF CONTRACT AS OF 03/31/2023.

\*\* DIESEL CONSUMPTION FOR RIG ENGINES = (DAILY: 52 BBL / CUMULATIVE FOR CURRENT WELL ABSF-120: 384 BBL.

\*\* BRINE PUMPED IN WELL = ( DAILY / CUMULATIVE FOR CURRENT WELL ABSF-120 : (0/3040) BBL.

\*\*ARAMCO RIG CLERK AHMED AMEEN ID#8518460 ON LOCATION SINCE 27 JAN 2023

\*\* ARAMCO FCT ABDULAZIZ ALGHAMDI ID#791187 ON LOCATION SINCE 21-FEB-2023.

#### Remarks

Lateral	Survey MD			Angle		Azimuth		CLength		TVD		N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec		DLS
MUD DATA	Weight <b>64</b>	Funnel Vis. <b>50</b>	Filterate(WL) HTHP	Filtrate (WL) API	PV <b>1</b>	YP <b>4</b>		Electrical Stability Volts	3/6 RPM <b>1 / 2</b>	Gels Sec/Min <b>1 / 2</b>	PH <b>9</b>	CA PPM <b>400</b>	CL PPM <b>25000</b>					
	FL Temp <b>80</b>	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type <b>NACL</b>	Water Well #							
	Weight <b>64</b>	Funnel Vis. <b>49</b>	Filterate(WL) HTHP	Filtrate (WL) API	PV <b>1</b>	YP <b>4</b>		Electrical Stability Volts	3/6 RPM <b>1 / 2</b>	Gels Sec/Min <b>1 / 2</b>	PH <b>9</b>	CA PPM <b>400</b>	CL PPM <b>25000</b>					
	FL Temp <b>80</b>	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type <b>NACL</b>	Water Well #							
MUD TREATMENT	MRBL-F	XC	BENT	PACR	CAUST													
BIT DATA	10(2200L)	1(55LB)	1(55LB)	1(55LB)	1(100LB)													
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #				
	BOP Test	BOP Drills		Wind		Sea		Weather		DSLTA	Safety Meeting							

Miscellaneous	02/08/2023	REGULAR	19-23 NNE	1-2 FT	21* VIS-5 NM.	TOURLY								
Real-Time Data Quality														
Personnel and Services Information	COMPANY	KSC	HCB	A20	SPS	RIG	EMC	ARM	BCM	ARM	BAW	WI3	BR1	Total <b>83</b>
	CATEGORY	ALS	BRCR	CTRG	DPDS	RIG	DFMS	OTHR	PCS	WSC	WLS	WPSTK	MLS	
	NO. OF PERSONS	4	1	12	4	49	1	2	3	2	3	1	1	
	OPERATING HRS.	0	8	0	0	24	24	12	0	24	7	0	0	
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers													
	<b>RINA TIDE</b>													
BULK	Drill Wtr.-BBLS	822	Pot Wtr.- BBLS	556	Fuel- BBLS	879	Barite- SX	0	Bentonite - SX	0	Cement G- SX	2160		
REPAIR ASAP	Instrumentation		Other											Reporter
	Computer, Communication & V-Sat Issues													

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Date	Well No (Type) :	Rig	Foreman(s)	WILLIAMSON, AILAN COLE/ AHMED, AYMAN AHMED/ ANEZA, ABDRULRAHMAN MOHAMMED/ UMAIRIN, ISA SALEM		
MONDAY 02/27/2023	MRJN-2002 (DUAL LATERAL WATER INJECTOR RATAWI RESERVOIR)	ENSCO-76	Engineer Superintendent	THURAYA +008 821 677 712 865	RIG FORMAN VSAT 673-5676	OTHER VSAT 673-2422 673-2423
Charge #: (66- 20073-2002)	Wellbores: (0) MRJN_2002_0					

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
5707	MU 16" SLICK ASSY #5, RIH, WORK/REAM TIGHT AREA, COULD NOT PASS AT 5600 FT, DRILL 16" SECTION TO 5707 FT	DRILL AHEAD 16" SECTION, CONTINUE TO WORK/REAM TIGHT HOLE W/ 16" SLICK ASSY, CHECK HOLE CONDITON INTERMITTENTLY W/O PUMPS/ROTARY	MRJN-506 PLATFORM	22.2 (02/13/2023@0000)	UMER 3081 3038 FT TVD ARUM 5160 4899 FT TVD

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
5987			18 5/8	2860	2830			-280	0

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations					
									Start	End	Start	End						
05.5	0500 - 1030	0	16	N	DRLG	RW	BIT	BHT	5987	5987	5580	5622	REAM AND REREAM FROM 5580 FT TO 5622 FT ATTEMPTING TO CLEAR AREA, ABLE TO RUN FREELY DOWN TO 5998 FT, CONTINUE REAMING ABLE TO RUN TO 5600 FT FREELY WITHOUT PUMPS OR ROTARY, NO DRAG - MUD CAP ANNULUS W/ INHIBITED 80 PCF WBM @ 1 BPM					
04.5	1030 - 1500	0	16	N	DRLG	RW	BIT	BHT	5987	5987	5622	5668	DRILL 16" BOULDER SECTION 16" (SLICK) ROTARY DRILLING ASSY #5 IN 5 FT INTERVALS TO ALLEVIATE PACK-OFFS - MUD CAP ANNULUS W/ INHIBITED 80 PCF WBM @ 1 BPM - REAM UP/DOWN 10 FT EACH 5 FT DRILLED AND PUMP 100 BBLS HI-VIS SWEEP - SPOT 200 BBLS HI-VIS AROUND BHA DURING CONNECTION - DRILLING WITH 45 FT SINGLES TO ALLEVIATE GETTING STUCK AGAINST THE CROWN WITH FULL STAND					
03.0	1500 - 1800	0	16	N	DRLG	RW	BIT	BHT	5987	5987	5622	5570	REAM AND REREAM FROM 5668 TO 5570 FT, PUMPING 100 BBLS HI-VIS INTERMMITENTLY					
00.5	1800 - 1830	0	16	N	DRLG	OTH	NA	ARM	5987	5987			SPOT 250 BBLS (1140 FT) 90 PCF HI-VIS 120 VISCOSITY SWEEP, ATTEMPT TO PULL ON ELEVATORS FROM 5640 FT OUT OF HOLE, UNSUCCESSFUL OBSERVE 100K OVERPULL, 60K DRAG STRING NOT MOVING, PICK UP TO STRING WEIGHT, COMMENCING ROTATING AND CIRCULATING WITHOUT ISSUE EXCEPT HIGH TORQUE SPIKES TO 31,500 FT/LBS INTERMITTENTLY					
05.8	1830 - 0015	0	16	N	DRLG	RW	BIT	BHT	5987	5987	5668	5570	CONTINUE REAMING REREAMING SECTION FROM 5570 FT TO 5668 FT PUMPING 100 BBLS WEIGHTED HI-VIS SWEEP EACH TIME STAND REAMED DOWN TO 5668 FT THEN BACKREAMING UP AGAIN REPEAT CYCLE AND CHECK PERIODICALLY FOR HOLE IMPROVE BY SLACKING DOWN AND TAGGING HOLD UP DEPTH (HUD) WITHOUT PUMPS OR ROTARY - HOLE CLEAR AND CLEAN TO 5630 FT WITHOUT PUMPS AND ROTARY					
04.8	0015 - 0500	0	16	N	DRLG	RW	BIT	BHT	5987	5987	5668	5707	DRILL 16" BOULDER SECTION 16" (SLICK) ROTARY DRILLING ASSY #5 IN 5 FT INTERVALS TO ALLEVIATE PACK-OFFS - MUD CAP ANNULUS W/ INHIBITED 80 PCF WBM @ 1 BPM - REAM UP/DOWN 10 FT EACH 5 FT DRILLED AND PUMP 100 BBLS HI-VIS SWEEP - SPOT 200 BBLS HI-VIS AROUND BHA DURING CONNECTION - DRILLING WITH 45 FT SINGLES TO ALLEVIATE GETTING STUCK AGAINST THE CROWN WITH FULL STAND					

=====NEAREST GOSP=====

\*\* MRJN GOSP-1 IS 14.41 KM FROM THE RIG

===== - MRJN-2002 IS A DUAL LATERAL HORIZONTAL WATER INJECTOR WELL TARGETING THE RATAWI RESERVOIR

MRJN-506 - COMPLETED AND RELEASED AS OBSERVATION WELL

MRJN-2001 - SUSPENDED WITH 7" LINER

MRJN-2002 - 16" SECTION IN PROGESS WILL SUSPEND WITH 13-3/8" CASING SET

MRJN-2003 - NEXT 16" SECTION>12-1/4" SECTION>8-1/2" PILOT HOLE>EVALUATION

MRJN-2004 - COMPLETED AND RELEASED AS A DUAL LATERAL INJECTOR

MRJN-2005 - 32" CONDUCTOR AT 322 FT

MRJN-2006 - 32" CONDUCTOR AT 322 FT

MRJN-2007 - 32" CONDUCTOR AT 322 FT

MRJN-2008 - 32" CONDUCTOR AT 322 FT

MRJN-2009 - 32" CONDUCTOR AT 322 FT

===== WELL TYPE: DUAL LATERAL HORIZONTAL WATER INJECTOR =====

LAST CASING SIZE / LB/FT/ 100% BURST PRESSURE / SET IN WHICH FORMATION: 18-5/8" 115 PPF J-55 3070 PSI

NEXT CASING SIZE / DEPTH / FORMATION OR NEXT TD: 13-3/8" / 6225 FT / LAMS

FIT OR LOT IF DONE (EQUIVALENT PCF): N/A.

FORMATIONS FOR CURRENT HOLE SECTION: UMER/ARUMA/LAMS

EXPOSED RESERVOIRS:

TARGET RESERVOIRS:

HIGHEST GOR & FORMATION:

OVERBALANCE & FORMATION IN CURRENT HOLE SECTION (HIGHEST & LOWEST):

CURRENT BOP / DIVERTER N/U: 21-1/4" CLASS D DIVERTER

BOP STACK ON RIG (MANF/SIZE/PRESS RATING): NOV / 18 3/4" / 15K BOP / 4 RAMS & NOV 10K ANNULAR.

CURRENT WELLHEAD SIZE & PRESSURE RATING: 20-3/4" 3M

FINAL WELLHEAD/TUBING SPOOL PRESSURE RATING: 13-5/8" 3M

NEXT WELL & HOLE SIZE & SEQUENCE IF BATCH DRILLING: MRJN-2003 / 16" HOLE

NEXT LOCATION & PLANNED RIG MOVE DATE: NA

=====SAFETY & DRILLS=====

- DRILLS: HELD H2S, ABANDONMENT RIG DRILL 18-FEB-2023

- REVIEWED WITH RIG CREW HSE ALERTS 20-23, 21-23, 22-23, 24-23

=====PERSONNEL=====

-NAIF AL-AMMARI, MATERIALS EXP ID # 8552735 ONBOARD SINCE 15-FEB-2023

=====WAITING TIME=====

- WAIT ON WEATHER: TODAY 0 HRS / CUMULATIVE 34.75 HRS

- WAIT ON PRODUCING: TODAY 0 HRS / CUMULATIVE 0 HRS

- WAIT ON MARINE: TODAY 0 HRS / CUMULATIVE 0 HRS

=====WELL DATA=====

RIG HEADING= 335 DEG

FINAL POSITION: LAT 28 DEG 33.25557' N, LOG 049 DEG 37.2229' E

FINAL LEG PENETRATION: BOW: 7.8 FT; STBD: 10.2 FT; PORT: 9.0 FT

AIR GAP = 42 FT

RKB TO ML = 266 FT

RKB TO MSL = 114 FT

ORKB TO MSL = 102 FT

ODF = -12 FT

WATER DEPTH = 152 FT

=====RENTAL TOOLS=====

-RECEIVED 9-1/2" COUGAR JAR (S.N DJ10-950-035) ON 21-FEB-2023 CM# 2100683134 ON SUPPLY VESSEL SAVOY TIDE

-BACKLOADED 9-1/2" COUGAR JAR (S.N DJ10-950-028) ON 23-FEB-2023 BL# 2400606744 ON SUPPLY VESSEL CAROLINE TIDE III

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS								
MUD DATA	Weight 75 PCF	Funnel Vis. <b>135 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>20</b>	YP <b>51</b>	Electrical Stability <b>0 Volts</b>	3/6 RPM <b>16 / 18</b>	Gels Sec/Min <b>16 / 22</b>	PH <b>9.5</b>	CA PPM <b>440</b>	CL PPM <b>63000</b>										
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>92</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>8</b>	Sand Vol. % <b>0</b>	% LGS <b>0.55</b>	MBT <b>5</b>	Mud type <b>WBM</b>		Water Well #										
	Weight 64 PCF	Funnel Vis. <b>36 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0 Volts</b>	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9.3</b>	CA PPM <b>800</b>	CL PPM <b>29000</b>										
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>100</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>0</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>SEAWTR</b>		Water Well #										
	Weight 85 PCF	Funnel Vis. <b>111 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>22</b>	YP <b>46</b>	Electrical Stability <b>0 Volts</b>	3/6 RPM <b>15 / 17</b>	Gels Sec/Min <b>15 / 20</b>	PH <b>9.6</b>	CA PPM <b>360</b>	CL PPM <b>76000</b>										
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>87</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>13</b>	Sand Vol. % <b>0</b>	% LGS <b>0.8</b>	MBT <b>5</b>	Mud type <b>INPHHVG</b>		Water Well #										
MUD TREATMENT	BARITE-BULK CAUST		NEWDRLPLUS	PACLV	SODASH	NACL	SOURSCAV	XC	MAX-GUARD		SAFE-SCAV											
	26.96(BLK)	40(50LBP)	50(55LB)	40(55LB)	20(100LB)	20(2200L)	18(25KG)	64(25KG)	2(55GL)	2(55GL)												
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out											
	<b>3RR</b>	<b>435</b>	<b>16</b>	HTC	Z343YT	VGAC10MH / 1 X 18 / 3 X 20 /	1.169	5987	5987													
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP						
									<b>23</b>	<b>144</b>	<b>1</b>	<b>1</b>	<b>WT</b>	<b>A</b>	<b>E</b>	<b>0</b>	<b>3727</b>	<b>1150</b>	<b>316</b>	<b>110.1</b>	<b>110.1</b>	<b>512</b>
DRILL STRING	Float	<b>Y</b>																				
	BHA Hrs:	<b>27</b>																				
	String Wt.	Pick Up	Slack Off		Rot. Torque		Jars:	Serial #/Hrs	/	/	Shock Sub:	/	Mud Motor:	/	/							
	<b>228</b>	<b>243</b>	<b>209</b>																			
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #						
	<b>1</b>	Bit			HTC	<b>0</b>	<b>0</b>	<b>16</b>	<b>4</b>	<b>1.45</b>			<b>0</b>			<b>Z343YT</b>						
	<b>2</b>	Bit Sub			RIG	<b>0</b>	<b>0</b>	<b>9.5</b>	<b>3</b>	<b>3.06</b>			<b>0</b>									
	<b>3</b>	Measurement While Drilling (MWD)			BHI	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>36.38</b>						<b>ZDHP1466512</b>						
	<b>4</b>	Drillcollar			RIG	<b>0</b>	<b>0</b>	<b>9.5</b>	<b>3</b>	<b>154.55</b>			<b>0</b>									
	<b>5</b>	Hydro-Mechanical Jar			CTC	<b>0</b>	<b>0</b>	<b>9.5</b>	<b>2.75</b>	<b>31.92</b>			<b>0</b>			<b>DJ10950035</b>						
	<b>6</b>	Drillcollar			RIG	<b>0</b>	<b>0</b>	<b>9.5</b>	<b>3.125</b>	<b>61.37</b>			<b>0</b>									
	<b>7</b>	Crossover			RIG	<b>0</b>	<b>0</b>	<b>9.625</b>	<b>3.46</b>	<b>3.44</b>			<b>0</b>									
	<b>8</b>	Drillcollar			RIG	<b>0</b>	<b>0</b>	<b>8.375</b>	<b>2.875</b>	<b>90.15</b>			<b>0</b>									

<b>9</b>	Crossover	RIG	0	0	8.313	2.625	2.5			0	
<b>10</b>	Heavy Weight Drillpipe (HWDP)	RIG	0	0	5.5	3.125	458.25			0	
<b>11</b>	Drillpipe	RIG	0	0	5.5	4.67	31			0	

Miscellaneous	BOP Test	BOP Drills	Wind <b>E / 15-17 KTS</b>	Sea <b>2-3 FT</b>	Weather <b>SEASONAL</b>	DSLTA <b>4567</b>	Safety Meeting <b>WEEKLY &amp; TOURLY</b>
	Real-Time Data Quality	Sensors Quality	100%	Data Frequency	100%	Real-Time Hrs	10.99/24 hrs

Personnel and Services Information	COMPANY	BHT	BCR	A20	WDV	BHI	RIG	BDF	CTC	ARM	SCM	MI2	ARM	Total <b>77</b>
	CATEGORY	BITS	CSR	CTR G	DV	DPDS	RIG	DFMS	JST	OTHR	PCS	SCS	WSC	
	NO. OF PERSONS	1	3	11	1	3	51	2	0	1	2	1	1	
	OPERATING HRS.	0	0	0	0	24	24	24	24	12	24	0	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	0	24	24	24	24	

Trucks/Boats	Standby/Tankers	RAWABI-26	KEHOE TIDE	SEACOR PARANA										
	TOPAZ KHUWAIR	5205	546	1359	5938	0	4041							

BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX								
	5205	546	1359	5938	0	4041								

REPAIR ASAP	Instrumentation	Other												Reporter
	Computer, Communication & V-Sat Issues													

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>RBYN-10 (RBYN-10)</b> Charge #: <b>(72- 22062- 0010)</b> Wellbores: (0) RBYN_10_0	Rig <b>EXL- IA</b>	Foreman(s) Engineer Superintendent <b>THURAYA 008821677712547 378-8304</b>	<b>THOMPSON, WADE ALLAN/ RAHIL, KHALED/ MANDEL, CHRISTIAN MARKUS/ GREIG, KENNETH DAVID</b>	
			RIG FORMAN VSAT <b>378-8304</b>	OTHER VSAT <b>378-8341 - RADIO ROOM</b>	CONTRACTOR/CLERK VSAT <b>378-8305</b>

Depth	Last 24 hr operations			Next 24 hr plan			Location			Days Since Spud/Comm (Date)		Formation tops					
Prev. Depth										Last Csg Size	MD	TVD	Footage	Circ %			
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	LT TYPE	LT ID	Summary of Operations				
07.5	0500 - 1230	0		N	RM	LDP	STRG	RIG	6891	6891			CON'T PICK UP AND RACK BACK IN DERRICK 5.5" DP. * CON'T OFFLOADING EQUIPMENT FROM BOAT.				
00.5	1230 - 1300	0		N	RM	PJSM	NA	RIG	6891	6891			HELD SAFETY STAND DOWN MEETING & DISCUSSED: STOP WORK AUTHORITY, PJSM. JSA BEFORE JOBS, HANDOVER & ENSURE CONTINUOUS SUPERVISION, HEAVY LIFTINGS, CLEAR SIGNAL, TAG LINE & PUSH- POLES USAGE. AWARE OF SURROUNDING LINE OF FIRE & RED ZONE MANAGEMENT. FOCUS ON PINCH POINTS, HAND & FINGER INJURIES.				
05.0	1300 - 1800	0		N	RM	LDP	STRG	RIG	6891	6891			CON'T PICK UP AND RACK BACK IN DERRICK 5.5" HWDP & DC. * CON'T OFFLOADING EQUIPMENT FROM BOAT.				
02.5	1800 - 2030	0		N	RM	OTH	NA	RIG	6891	6891			CON'T OFFLOADING EQUIPMENT FROM BOAT. ARRANGE CASING ON DECK.				
04.0	2030 - 0030	0		N	RM	OTH	NA	RIG	6891	6891		WON	909653	WAIT ON WEATHER, RAIN AND WIND OVER 30 KTS.			
00.5	0030 - 0100	0		N	RM	PJSM	NA	RIG	6891	6891			HELD SAFETY STAND DOWN MEETING & DISCUSSED: STOP WORK AUTHORITY, PJSM. JSA BEFORE JOBS, HANDOVER & ENSURE CONTINUOUS SUPERVISION, HEAVY LIFTINGS, CLEAR SIGNAL, TAG LINE & PUSH- POLES USAGE. AWARE OF SURROUNDING LINE OF FIRE & RED ZONE MANAGEMENT. SAFE WORK IN RAINY WINDY WEATHE AND SLIPAGE AWARNESS, FOCUS ON PINCH POINTS, HAND & FINGER INJURIES.				
04.0	0100 - 0500	0		N	RM	OTH	NA	RIG	6891	6891			RESUME OFFLOADING BULK MATERIALS FROM BOAT. PREPARE, CLEAN AND STRAP CASING TIE BACK STRINGS.				

#### Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
27 Feb 2030 - 0030	4	4	909653		WON	WTHR	NA	ARM	0	CANNOT OFFLOAD BOAT DUE TO BAD WEATHER, RAIN AND WIND OVER 30 KTS.

TIE-BACK OPERATIONS ON RBYN-10, WHICH WAS DRILLED AS A VERTICAL, MLS, PLATFORM LOCATOR / EVALUATION WELL.

THE OBJECTIVES OF THIS WELL ARE AS FOLLOWS:

1. RETRIEVE 18-5/8" & 13-3/8" CORROSION CAPS AND TIEBACK 18-5/8", 13-3/8" AND 9-5/8" CASING STRINGS.
2. CLEAN OUT CEMENT PLUGS (996'- 1,500'), (4,140'-4,554'), SCRAPE 9-5/8" CASING.
3. PERFORM LOGGING PERFORATION PROGRAM ON WIRELINE IN WARAH AND SAFANYIA FORMATION.
4. RUN COMPLETIONS ASSEMBLY.
5. FLOW BACK OPERATION.

#### TIE-BACK DATA:

ODF RKB TO ML 186', EXL-IA NDF, RKB TO ML 187' DIFFERENCE +1 FT  
 30" CONDUCTOR AT +/- 176 FT ODF (10 FT ABOVE SEA BED)  
 18-5/8" MLC HGR LANDING POINT AT 199 FT ODF.  
 13-3/8" MLC HGR LANDING POINT AT 200 FT ODF.  
 9-5/8" MLC HGR LANDING POINT AT 201 FT ODF.

\* ARAMCO CLERK: REYAZ AHMAD #8327220 ON RIG FROM 02/17/2023.

#### CONTRACTOR MANAGEMENT VISITS

\* RIG MANAGER THOMAS HORRICKS LEFT RIG 01/31/23  
 \* HSE MANAGER SAMUEL TOMBENG LEFT RIG 03/22/22

\* HSE ALERTS: NONE.  
 \* DRILLS: NONE.

**RENTAL TOOLS ON BOARD: NONE.**

- \* NEXT LOCATION : ABSF-240/249 PF. ESTIMATED RIG MOVE DATE: 03/22/2023.
- \* ABSF-240/249 DEBRIS SURVEY # 8000641643, RECEIVED ON 02/14/2023.
- \* BORE HOLE DATA 11397 FOR PLATFORM LOCATION ABSF-240/249 ACCEPTED BY CONTRACTOR.
- \* RIG MOVE REQUEST RM-2023-4008480 RBYN-10 TO SEA SUBMITTED 02/18/23.
- \* RIG MOVE REQUEST RM-2023-4008481 SEA TO ABSF- 240/249 SUBMITTED 02/18/23.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS																							
<b>MUD DATA</b>																																
MUD																																
TREATMENT																																
BIT DATA																																
DRILL STRING																																
<table border="1"> <thead> <tr> <th>Order</th><th>Component</th><th>Provider</th><th>Nominal Size</th><th># Joints</th><th>OD Size</th><th>ID Size</th><th>Length</th><th>Top Thread</th><th>Bottom Thread</th><th>Weight</th><th>Grade</th><th>Class</th><th>Serial #</th></tr> </thead> </table>													Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #						
Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #																			
Miscellaneous	BOP Test	BOP Drills	Wind	Sea		Weather	DSLTA		Safety Meeting																							
	12-14 KTS ENE		4-5 FT	SEASONAL		TOURLY																										
Real-Time Data Quality																																
Personnel and Services Information	COMPANY	FMC	HTD	GOS	RIG	OES	NFT	ARM	BCM	ARM	SAM	FME	GEP	Total <b>82</b>																		
	CATEGORY	CSR	CSV	CTR G	RIG	DFMS	FILT	OTHR	PCS	WSC	WBCS	WHES	WHES																			
	NO. OF PERSONS	2	2	13	54	1	2	1	1	2	1	1	2																			
	OPERATING HRS.	0	0	0	24	0	0	0	0	24	0	0	0																			
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24	24																			
Trucks/Boats	Standby/Tankers																															
	<b>RAWABI-5</b>																															
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX																										
	<b>3194</b>	<b>767</b>	<b>1222</b>	<b>1765</b>	<b>0</b>	<b>1255</b>																										
REPAIR ASAP	Instrumentation	Other												Reporter																		
	Computer, Communication & V-Sat Issues																															
	<b>THIRD WORK STATION - FOREMANS COMPUTER NEED TO BE UPDATED.</b>																															

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 Daily OffShore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ZULF-2042 (SINGLE LATERAL HORIZONTAL WATER INJECTOR ACROSS KHFJ RESERVOIR AQUIFER)</b>	Rig <b>EXL- IVA</b>	Foreman(s) <b>IVY II, RUFUS PAUL/ MUGABGAB, HASAN ALI/ UMAIRIN, ISA SALEM</b>
Charge (66- 22062-#: <b>2042</b> )	Wellbores: (0) ZULF_2042_0	THURAYA <b>00966 88 216 777 12 631</b>	RIG FORMAN VSAT <b>378-6575</b> RIG FORMAN VSAT <b>378-6576</b> OTHER VSAT <b>378-6577</b> CONTRACTOR/CLERK VSAT <b>378-6578</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>6613</b>	<b>DRILL 12.25" X 13.5" HOLE SECTION.</b>	<b>DRILL 12.25" X 13.5" HOLE SECTION.</b>	<b>ZULF-2040/2049</b>	<b>22.1</b> (02/04/2023@2215)	<b>RUS 1670 TVDSS 1543 FT UMER 1960 TVDSS 1810 FT ARUM 4128 TVDSS 3543 FT LAMS 5356 TVDSS 4484 FT LHHR 5624 TVDSS 4784 FT RUML 5924 TVDSS 5005 FT AHMD 6140 TVDSS 5165 FT CPCK 6280 TVDSS 5268 FT</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>6245</b>					<b>13 3/8</b>	<b>55144702</b>		<b>368</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations	
									Start	End	Start	End				
03.2	0500 - 0815	0	12 1/4	N	DRLG	D	RSS	SDM	6245	6430					DRILL F/ 6,245'-6,430" WITH 12.25" X 13.5" HOLE SECTION WITH SLB RSS/UNDEREAMER ASSY WITH 160 SPM, 1000 GPM WITH 3,571 PSI AT 150 RPM, 12-24K TQ, PUMP TANDEM 10 BBL HI-WEIGHT, 20 BBL HI-VIS SWEEPS EVERY STAND, WASH AND REAM EACH STAND PRIOR TO CONNECTION, PERFORM SCR'S, DOWN LINKS AND SURVEYS AS REQUIRED	
01.2	0815 - 0930	0	12 1/4	N	DRLG	OTH	NA	SDM	6430	6430			BHA	909563	PUMP 2 SWEEP AND CIRCULATE HOLE CLEAN WITH 1,025 GPM 3,500 PSI, 80 RPM. 10-12K TRQ, WHILE SCHLUMBEGER TROUBLE SHOOT COMMUNICATION ISSUES RSS.	
06.5	0930 - 1600	0	12 1/4	N	DRLG	D	RSS	SDM	6430	6752					DRILL F/ 6,430'-6,752" WITH 12.25" X 13.5" HOLE SECTION WITH SLB RSS/UNDEREAMER ASSY WITH 160 SPM, 1000 GPM WITH 3,571 PSI AT 150 RPM, 12-24K TQ, PUMP TANDEM 10 BBL HI-WEIGHT, 20 BBL HI-VIS SWEEPS EVERY STAND, WASH AND REAM EACH STAND PRIOR TO CONNECTION, PERFORM SCR'S, DOWN LINKS AND SURVEYS AS REQUIRED	
04.2	1600 - 2015	0	12 1/4	N	MAIN	RR	MPMP	RIG	6752	6752			RR	909640	WASHED MODULE ON #1 PUMP, DISCHARGE MODULE SEAL ON #3 MUD PUMP, CIRCULATE WHILE REPAIRING SEAL ON #3 PUMP. CIRCULATE USING 32 PUMP WHILE RECIPROCATING AND ROTATING PIPE.	
08.8	2015 - 0500	0	12 1/4	N	DRLG	D	RSS	SDM	6752	7200					DRILL F/ 6,752'-6,960' WITH 12.25" X 13.5" HOLE SECTION WITH SLB RSS/UNDEREAMER ASSY WITH 160 SPM, 1000 GPM WITH 3,571 PSI AT 150 RPM, 12-24K TQ, PUMP TANDEM 10 BBL HI-WEIGHT, 20 BBL HI-VIS SWEEPS EVERY STAND, WASH AND REAM EACH STAND PRIOR TO CONNECTION, PERFORM SCR'S, DOWN LINKS AND SURVEYS AS REQUIRED	

Lost Time Details													
From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID		Type	Cause	Object	Resp Co	Depth	LT Summary		
27 Feb 0815 - 0930	1.25	1.25	909563			BHA	FOT	RSS	SDM	6430	SLB LOST COMMUNICATION WITH POWER DRIVE. NO GAMMA, NBI, OR OTHER DATA TRANSMITTING FROM TOOL.		
27 Feb 1600 - 2015	4.25	4.25	909640			RR	FPMP	MPMP	RIG	6752	LOST DISCHARGE MODULE DUE TO CRACK ON #3 PUMP. SWAPPED OVER TO RUNNING PUMP #1 AND MODULE CRACKED ON #1 PUMP. CIRCULATE WITH #2 WHILE CHANGING OUT #3 MODULE.		

#### =====WELL OBJECTIVE=====

ZULF-2042, WHICH WILL BE DRILLED AS OIL-WATER INJECTOR IN ZULF, THIS WELL WILL BE COMPLETED WITH 5-1/2" STAND-ALONE SCREEN AND MECHANICAL OPEN HOLE PACKER ACROSS KHFJ RESERVOIR AQUIFER, PRODUCTION PACKER AND 4-1/2" GRE TUBING IN UPPER COMPLETION.

#### =====PLATFORM ZULF-2040/2049 =====

ZULF-2040 WELL COMPLETED. WAITING FLOWBACK

ZULF-2041 WELL COMPLETED. WAITING FLOWBACK

ZULF-2045 WELL COMPLETED. WAITING FLOWBACK

ZULF-2042 CURRENT

BATCH DRILLING FOLLOWING:

ZULF-2043

ZULF-2047

ZULF-2044



DRILL STRING	Flex Joint			SCT	9	1	8.5	2.14	8.6	6-5/8"REG	6-5/8" REG				90010	
	4	Measurement While Drilling (MWD)	SDM	8.25	1	8.25	4.25	8.3	6-5/8" FH	6-5/8" REG				34131		
	5	Logging While Drilling (LWD)	SDM	8.25	1	8.5	5	21.85	6-5/8" FH	6-5/8" FH				21482		
	6	Measurement While Drilling (MWD)	SDM	8.5	1	8.5	4.25	27.33	6-5/8" FH	6-5/8" FH				N000561		
	7	Logging While Drilling (LWD)	SDM	8.45	1	8.45	3.25	28.88	6 5/8 REG	6 5/8 FH				E4684		
	8	Non Magnetic Drill Collar ( NMDC )	SDM	8.5	1	8.5	2.813	25.9	6-5/8" REG	6-5/8" REG				1219372		
	9	Float Sub	SDM	8.25	1	8.25	2.813	1.96	6 5/8 REG	6 5/8 REG				ITS338606		
	10	Filter Sub	SDM	8	1	8	3.125	8.1	6-5/8" REG	6-5/8" REG				MNB 53176-1		
	11	Stabilizer	SDM	12.375	1	8.25	3	5.67	6 5/8 REG	6 5/8 REG				SDT-7298		
	12	Drillcollar	RIG	8.5	1	8.5	2.75	31.05	6-5/8" REG	6-5/8" REG				70-2-22716		
	13	Under Reamer	SMT	8	1	8	2.75	20.73	6-5/8" REG	6-5/8" REG				AE55962A		
	14	Float Sub	SDM	8.25	1	8.25	2.25	1.97	6-5/8" REG	6-5/8" REG				ITS339792		
	15	PBL (Multiple Activation By Pass)	CRW	8.25	1	8.25	3.5	16.69	6-5/8" REG	6-5/8" REG						
	16	Drillcollar	RIG	8.5	2	8.5	2.875	61.53	6-5/8" REG	6-5/8" REG				70-1-23033		
	17	Hydraulic Jar	NOJ	8.5	1	8.5	3.062	29.61	6-5/8" REG	6-5/8" REG				1919861-4		
	18	Drillcollar	RIG	8.5	3	8.5	2.875	92.15	6-5/8" REG	6-5/8" REG				ARO		
	19	Crossover	RIG	8.5	1	8.5	2.812	3.53	VX-54	6-5/8" REG				83-20-22-01		
	20	Heavy Weight Drillpipe (HWDP)	RIG	6.625	15	5.5	4	460.27	VX-54	VX-54				ARO		
	21	Drillpipe	RIG	6.625	1	5.5	4.67	31.5	VX-54	VX-54				ARO		
Miscellaneous	BOP Drills		Wind		Sea		Weather		DSLTA		Safety Meeting					
	TRIP / PIT		NE, 8 KTS		1 FT		SEASONAL		1615		TOURLY					
Personnel and Services Information	Real-Time Data Quality			Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs			11.49/24 hrs	
	COMPANY		GOC	GOS	WDV	SDM	RIG	BAR	OES	SRT	NOJ	ARM	BCM	MI2	ARM	CRW
	CATEGORY		CSR	CTRG	DV	DPDS	RIG	DFMS	DFMS	HO	JST	OTHR	PCS	SCS	WSC	WBCS
	NO. OF PERSONS		2	11	0	3	51	1	1	2	0	2	2	1	1	0
	OPERATING HRS.		0	0	0	24	24	24	24	24	24	24	24	12	24	24
	ON LOCATION HRS.		24	24	0	24	24	24	24	24	0	24	24	24	24	0
Trucks/Boats	Standby/Tankers															
BULK	Drill Wtr.-BBLS 2257	Pot Wtr.- BBLS 1365	Fuel- BBLS 1829	Barite- SX 4714	Bentonite - SX 420	Cement G- SX 3067										
REPAIR ASAP	Instrumentation	Other														Reporter
Computer, Communication & V-Sat Issues																

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Total  
77

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HWYH-818 (P&amp;A WELL)</b> Charge #: (- - ) Wellbores: (0) HWYH_818_0	Rig <b>HESP1A-1</b>	Foreman(s) <b>ALY, MAGDY SALEH/</b> Engineer <b>ZIA, YASSAR KAMAL/</b> Superintendent <b>SARRANI, HASSAN FAHAD</b>
		THURAYA <b>008821677712088</b>	RIG FORMAN VSAT <b>013-3781826</b>

Depth	Last 24 hr operations		Next 24 hr plan		Location		Days Since Spud/Comm (Date)		Formation tops	
0	<b>CONDUCT SURVEY ON NEXT WELLS</b>		<b>CONDUCT SURVEY ON NEXT WELLS</b>		<b>HWYH AREA</b>		<b>0.0</b> (02/23/2023@1000)			
Prev. Depth	Liner Size		TOL	MD	TVD	Last Csg Size	MDTV	Footage	Circ %	0
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth
12.0	0500 - 1700	0		N	PA	OTH	NA	HCM	0 Start	0 End
12.0	1700 - 0500	0		N	PA	OTH	NA	HCM	0 Start	0 End

#### PLUG AND ABANDON (P&A) NON-FLOWING WATER SUPPLY WELLS

#### P&A CHARGE ACCOUNT (61-21737-0007)

\* DISTANCE TO WELL FROM CAMP: 102 KM.

ARAMCO:

NEAREST HOSPITAL FOR EMERGENCY & CONTACT:

\*\* HOSPITAL KING FAHAD, HAFOUF (40 KM FROM CAMP SITE), PH.: 00966 13 5746558

#### SAFETY:

- HELD A DAILY SAFETY MEETING WITH ALL PERSONNEL ON WELL LOCATION & DISCUSS JSA & WORK PERMIT.
- OPEN JOURNEY MANAGEMENT FOR ALL HALLIBURTON CARS BEFORE MOVE TO JOB.

DIESEL CONSUMPTION: WORKOVER (RIGLESS OPERATION)

\*\* DAILY DIESEL CONSUMPTION FOR ENGINES (CEMENT UNIT+ CAMP): 1 BBLS, CUMULATIVE DIESEL CONSUMPTION PER MONTH 30 BBLS

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS							
<b>MUD DATA</b>																
<b>MUD TREATMENT</b>																
<b>BIT DATA</b>																
<b>DRILL STRING</b>																
<b>Miscellaneous</b>																
BOP Test		BOP Drills		Wind	Sea	Weather	DSLTA	Safety Meeting								
Real-Time Data Quality						<b>No Transmission</b>										
Personnel and Services Information	<b>COMPANY</b>															
	<b>CATEGORY</b>															
	<b>NO. OF PERSONS</b>															
	<b>OPERATING HRS.</b>															
	<b>ON LOCATION HRS.</b>															
Trucks/Boats	Standby/Tankers															
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX										
REPAIR ASAP	Instrumentation	Other														
	Computer, Communication & V-Sat Issues															
	Reporter															

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>NAQA-803 (P&amp;A.)</b> Charge #: (- -) Wellbores: (0) NAQA_803_0	Rig <b>HESP1A-2</b>	Foreman(s) / Engineer Superintendent <b>ZIA, YASSAR KAMAL/ ALHELAL, MOHAMMED ALI/ SARRANI, HASSAN FAHAD</b>
		THURAYA	RIG FORMAN VSAT OTHER VSAT <b>00882167712537 0133781828 0133781829</b>

Depth <b>0</b>	Last 24 hr operations <b>WAITING ON HALLIBURTON COMPANY TO REPAIR DOZER</b>	Next 24 hr plan <b>WAITING ON HALLIBURTON COMPANY TO REPAIR DOZER</b>	Location <b>SHAYBAH AREA.</b>	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops										
Prev. Depth <b>0</b>	Liner Size	TOL MD TVD	Last Csg Size MDTVD	Footage <b>0</b>	Circ % <b>100</b>										
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth					Summary of Operations
12.0	0500 - 1700	0		N	PA	OTH	NA	HCM	3520	3520					<b>WAITING ON HALLIBURTON COMPANY TO REPAIR DOZER.</b> * TOTAL OPENED 5.6 KM OF TOTAL 13 KM SKID ROAD * DAYS SINCE WAITING FOR REPAIR OF DOZER: 40 DAYS
12.0	1700 - 0500	0		N	PA	OTH	NA	HCM	3520	3520					<b>WAIT ON DAY LIGHT.</b>

#### OBJECTIVE:

**PLUG AND ABANDON (P&A) WATER SUPPLY WELLS**

#### P&A CHARGE ACCOUNT (61-21737-0007)

#### CAMP LOCATION:

**\*\* 615 KM F/ DMG, 155 KM BEFORE SHAYBAH CHECK POINT, TURN RIGHT 1 KM.**

#### NEAREST HOSPITAL FOR EMERGENCY & CONTACT:

**\*\* HOSPITAL SHAYBAH HOSPITAL (160 KM FROM CAMP SITE), PH.: 00966 13 5789891/8222**

#### ARAMCO:

#### MOVE DETAILS:

**\*\* MOVE DISTANCE FROM MAIN CAMP TO WELL NAQA-803: 340 KM.**

#### SAFETY:

- HELD A DAILY SAFETY MEETING WITH ALL PERSONNEL ON WELL LOCATION.
- OPEN JOURNEY MANAGEMENT FOR ALL HALLIBURTON CARS BEFORE MOVE TO JOB

#### DIESEL CONSUMPTION: WORKOVER (RIGLESS OPERATION)

**\*\* DAILY DIESEL CONSUMPTION FOR ENGINES (CEMENT UNIT+ CAMP): 1 BBLS, CUMULATIVE DIESEL CONSUMPTION PER MONTH=26 BBLS**

#### Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS					
<b>MUD DATA</b>														
<b>MUD TREATMENT</b>														
<b>BIT DATA</b>														
<b>DRILL STRING</b>	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
<b>Miscellaneous</b>	BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting							
	Real-Time Data Quality						<b>No Transmission</b>							
<b>Personnel and Services Information</b>	<b>COMPANY</b>												Total	
	<b>CATEGORY</b>													
	<b>NO. OF PERSONS</b>													
	<b>OPERATING HRS.</b>													
	<b>ON LOCATION HRS.</b>													
<b>Trucks/Boats</b>	Standby/Tankers													
<b>BULK</b>	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX								
<b>REPAIR ASAP</b>	Instrumentation	Other											Reporter	
	Computer, Communication & V-Sat Issues													

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>MNIF-830 (P&amp;A WELL)</b> Charge #: (- - ) Wellbores: (0) MNIF_830_0	Rig <b>HESP1A-3</b>	Foreman(s) Engineer Superintendent	<b>KONSOUA, YASSER SHAWKY/ ALQADY, MARWAN AHMAD/ ALHELAL, MOHAMMED ALI/ SARRANI, HASSAN FAHAD</b>
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Depth <b>0</b>	Last 24 hr operations <b>PREPARING TO WORK ON MNIF-830 FOR HOT TAPPING</b>	Next 24 hr plan <b>PREPARING TO WORK ON MNIF-830 FOR HOT TAPPING</b>	Location <b>MNIF AREA.</b>	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops						
Prev. Depth <b>0</b>	Liner Size	TOL	MD	TVD	Last Csg Size MDTVD Footage <b>0</b>	Circ %					
Hrs (From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth		Summary of Operations
12.0 0500 - 1700 0		N	PA	OTH	NA	HCM	2400	2400			<b>PREPARING TO WORK ON MNIF-830 FOR HOT TAPPING</b>
12.0 1700 - 0500 0		N	PA	OTH	NA	HCM	2400	2400			<b>WAIT ON DAY LIGHT.</b>

#### OBJECTIVE:

**PLUG AND ABANDON (P&A) WATER SUPPLY WELLS**

#### P&A CHARGE ACCOUNT (61-21737-0007)

#### SAFETY:

- HELD A DAILY SAFETY MEETING WITH ALL PERSONNEL ON WELL LOCATION.
- OPEN JOURNEY MANAGEMENT FOR ALL HALLIBURTON CARS BEFORE MOVE TO JOB

#### MOVE DETAILS

- DISTANCE FROM CAMP TO WELL: ??? KM

#### NEAREST HOSPITAL FOR EMERGENCY & CONTACT:

**\*\* HOSPITAL NUAYRIAH HOSPITAL PH.: 013-10000500**

#### DIESEL CONSUMPTION: WORKOVER (RIGLESS OPERATION)

**\*\* DAILY DIESEL CONSUMPTION FOR ENGINES (CEMENT UNIT): 1 BBLS, CUMULATIVE DIESEL CONSUMPTION PER MONTH= 25 BBLS**

#### Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS							
<b>MUD DATA</b>																
MUD TREATMENT																
BIT DATA																
DRILL STRING																
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #																
Miscellaneous BOP Test BOP Drills Wind Sea Weather DSLTA Safety Meeting																
Real-Time Data Quality <b>No Transmission</b>																
Personnel and Services Information	COMPANY								Total							
	CATEGORY															
	NO. OF PERSONS															
	OPERATING HRS.															
	ON LOCATION HRS.															
Trucks/Boats	Standby/Tankers															
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX										
REPAIR ASAP	Instrumentation	Other														
	Computer, Communication & V-Sat Issues															
	Reporter															

Date	MONDAY 02/27/2023	Well No (Type) :	<b>SFNY-1750</b>	Rig	Foreman(s)	<a href="#">AHMED, SHERIF ABDALLA/ LABRECHE, FAYCAL/</a>
Hi-		(MLS OIL PRODUCER		Engineer	<a href="#">ALRUSHAIID, FAWAZ RAAD/</a>	
2		PLATFORM LOCATOR		Superintendent	<a href="#">GREIG, KENNETH DAVID</a>	
		VERTICAL WELL TO				
		THE BASE OF ZUBR				
		RESERVOIR)				
Charge	(66- 22013-			RIG	OTHER	FAX VSAT
#:	1750)			FORMAN	VSAT	673 7324
Wellbores:	(0) SFNY_1750_0			673 2881		673 3650

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
7544	<b>POOH 12 1/4" REAMING</b> <b>BHA. RECORD LOGGING</b> <b>RUN #4 RCX (PRESSURE</b> <b>POINTS) ON W/L.</b>	<b>CONT. RECORD LOGGING RUN #4</b> <b>RCX (PRESSURE POINTS) ON W/L.</b> <b>RECORD LOGGING RUN #5</b> <b>(SAMPLING) ON PCL.</b>	<b>SFNY-1750 MLS</b>	<b>19.8</b> (02/07/2023 @ 0945)	<b>LAMS</b> 4386 <b>4386' TVD</b> <b>PAMU</b> 4789 <b>4788' TVD</b> <b>AHMD</b> 4978 <b>4977' TVD</b> <b>CPCK</b> 5088 <b>5087' TVD</b> <b>WARA</b> 5192 <b>5192' TVD</b> <b>MDDD</b> 5372 <b>5371' TVD</b> <b>SFNY</b> 5413 <b>5412' TVD</b> <b>DAIR</b> 5887 <b>5886' TVD</b> <b>MKTS</b> 6161 <b>6159' TVD</b> <b>SHUB</b> 6632 <b>6630' TVD</b> <b>ZBRR</b> 6904 <b>6902' TVD</b> <b>BUWB</b> 7394 <b>7392' TVD.</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
7544					<b>13 3/8</b>	<b>4479</b>	<b>4479</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
00.2	0500 - 0515	0	12 1/4	E	CT	TO	STDP	RIG	7544	7544	1000	753	POH 12 1/4" REAMING BHA ON 5" DP.			
00.5	0515 - 0545	0	12 1/4	E	CT	TO	STHDP	RIG	7544	7544	753	290	POH 12 1/4" REAMING BHA ON 5" HWDP.			
02.0	0545 - 0745	0	12 1/4	E	CT	HT	BHA	RIG	7544	7544			L/D 12 1/4" REAMING BHA.			
01.0	0745 - 0845	0	12 1/4	E	LOG	OTH	NA	RIG	7544	7544			RETRIEVE WEAR BUSHING.			
00.2	0845 - 0900	0	12 1/4	E	LOG	OTH	NA	RIG	7544	7544			CLEAR & CLEAN RIG FLOOR.			
00.2	0900 - 0915	0	12 1/4	E	LOG	PJSM	NA	RIG	7544	7544			HELD PJSM PRIOR W/L OPERATION.			
01.2	0915 - 1030	0	12 1/4	E	LOG	OTH	NA	BAW	7544	7544			P/U BAKER W/L TOOLS RUN #4 RCX (P.POINT).			
02.0	1030 - 1230	0	12 1/4	E	LOG	LOG	WLT	BAW	7544	7544	102	4479	RIH W/BKR W/L TOOLS RUN #4 RCX (P.POINT) TO 13-3/8" CSG CHOE. *MONITOR WELL ON TRIP TANK.			
00.5	1230 - 1300	0	12 1/4	E	LOG	PJSM	NA	RIG	7544	7544			HELD SAFETY STAND DOWN MEETING, DISCUSSED: WORK ON HIGHT. DROP OBJECT. STOP WORK AUTHORITY. PTW & JSA. HOUSEKEEPING.			
11.5	1300 - 0030	0	12 1/4	E	LOG	LOG	WLT	BAW	7544	7544	4479	7544	BKR RECORDED RUN #4 RCX (P.POINT). *MONITOR WELL ON TRIP TANK.			
00.5	0030 - 0100	0	12 1/4	E	LOG	PJSM	NA	RIG	7544	7544			HELD SAFETY STAND DOWN MEETING, DISCUSSED: WORK ON HIGHT. DROP OBJECT. STOP WORK AUTHORITY. PTW & JSA. HOUSEKEEPING.			
04.0	0100 - 0500	0	12 1/4	E	LOG	LOG	WLT	BAW	7544	7544	4479	7544	BKR RECORDED RUN #4 RCX (15 OUT OF 57 P.POINT). *MONITOR WELL ON TRIP TANK.			

- WELL OBJECTIVES: SFNY-1750 WILL BE DRILLED AS OIL EVALUATION & MONITORING OWC.

=====

- SFNY-1750, RIG HEADING 19 DEG, RIG POSITION: LAT: 28 10 73" N, LONG: 48 51 81" E.

=====

- CASING POINTS PLANNED VS ACTUAL DEPTH FOR SFNY-1750:

\* 18-5/8" CASING AT 1140' MD, ACTUAL AT 1143' MD / 1143' TVD.

\* 13-3/8" CASING AT 4570' MD (100' INTO LAMS). ACTUAL AT 4486' MD / 4486' TVD.

\* 9-5/8" CASING AT 7493 FT (150' INTO BUWAIB).

=====

- SAFETY:

\* DRILLS: 1 X PIT DRILL + 1 X TRIP DRILL.

\* SENSORS CHECKED BY RIG FOREMAN WEEKLY.

\* LC 50 SAMPLES: N/A. ZERO DISCHARGE LOCATION.

=====

- PERSONNEL:

\* ALI ALYAMI ID# 8493822 MATERIALS CONTROLLER ON BOARD SINCE 02/16/2023.

=====

RENTAL TOOLS:

\* 8" NOV DRILLING JAR ON BOARD SINCE 02/12/2023.

=====

S&S MANAGEMENT:

- SKIPS ON RIG =1 FULL & 20 EMPTY.

- SKIPS ON BOAT: = 0 EMPTY.

- SKIPS BACKLOADED IN LAST 24 HRS = 0.

- SKIPS USED FOR SFNY-1750 TO DATE: 148.
- SHIP THIS WELL = 740 TONS

**CONTRACTOR MANAGEMENT VISITS:**

- RIG MANGER CHUNG NGUYEN & JAMES GRANGER DEPARTED RIG 16 FEB 2023.

**NEXT LOCATION:**

- SFNY-1690 (MLS).
- RIG MOVE DATE: +/- 10 MARCH 2023.
- RIG MOVE REQUEST# RM-2023-4008377 SUBMITTED ON 6TH FEB 2023.
- CRM#8000642229 FOR SITE SPECIFIC SURVEY PLANNED TO BE CONDUCTED ON 5 FEB. 2023.
- CRM#8800019361 FOR RIG POSITIONING ON SFNY-1690 MLS SUBMITTED ON 4TH FEB 2023.
- RIG MOVE MEETING FROM SFNY-1750 TO SFNY-1690 PLANNED ON +/- 27 FEB 2023.
- SITE SPECIFIC SURVEY DELIVERED TO CONTRACTOR ON 21 FEB. 2023.

**Remarks**

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS															
<b>MUD DATA</b>																										
<b>MUD TREATMENT</b>																										
<b>BIT DATA</b>																										
<b>DRILL STRING</b>																										
<table border="1"> <thead> <tr> <th>Order</th><th>Component</th><th>Provider</th><th>Nominal Size</th><th># Joints</th><th>OD Size</th><th>ID Size</th><th>Length</th><th>Top Thread</th><th>Bottom Thread</th><th>Weight</th><th>Grade</th><th>Class</th><th>Serial #</th></tr> </thead> </table>													Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #													
BOP Test		BOP Drills		Wind		Sea		Weather		DSLTA	Safety Meeting															
02/15/2023		TOURLY		4-7 KTS S		1-2 FT		SEASONAL		3766	TOURLY															
Real-Time Data Quality				Sensors Quality				100%	Data Frequency		100%															
											Real-Time Hrs															
									3/24 hrs																	
<b>Personnel and Services Information</b>	COMPANY		GOS	RIG	EMC	ARM	MI2	BWM	ARM	BAW	Total 78															
	CATEGORY		CTRG	RIG	DFMS	OTHR	SCS	WMS	WSC	WLS																
	NO. OF PERSONS		12	52	1	1	1	2	2	7																
	OPERATING HRS.		0	24	12	12	0	0	24	20																
	ON LOCATION HRS.		24	24	24	24	24	24	24	24																
<b>Trucks/Boats</b>																										
Standby/Tankers																										
HADI-22																										
Drill Wtr.-BBLS		Pot Wtr.- BBLS		Fuel- BBLS		Barite- SX		Bentonite - SX		Cement G- SX																
3516		631		1246		1367		813		2702																
<b>REPAIR ASAP</b>																										
Instrumentation				Other																						
Computer, Communication & V-Sat Issues																										

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Reporter

D&WO Morning Report (Service Providers View)  
 Copyright 2010 Saudi Aramco. All Rights Reserved  
 Daily OffShore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>BRRI-1003 (BRRI-1003 WILL BE DRILLED AS A HORIZONTAL DUAL-LATERAL OIL PRODUCER ACROSS ARAB-A RESERVOIR)</b>	Rig <b>HI-4</b>	Foreman(s) Engineer Superintendent <b>GARGIS III, JACK DEMPSEY/ BERGLUND, CHRISTOPHER/ KHALID, MUTHANNA ABDULLAH/ GREIG, KENNETH DAVID</b>
THURAYA <b>008821677712212</b>	RIG FORMAN VSAT <b>673-9356</b>	OTHER VSAT <b>673-9201</b>	CONTRACTOR/CLERK VSAT <b>673-9123</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>7453</b>	<b>POOH &amp; P/U BACK UP RSS-MWD-LWD TOOLS. RIH. SLB RSS/MWD/LWD DRILL 8-1/2 HOLE SECTION.</b>	<b>SLB RSS/MWD/LWD DRILL 8-1/2 HOLE SECTION TO PLANNED LP @ 10,800 FT.</b>	<b>BRRI-1000/1009 PF</b>	<b>28.9</b> (01/29/2023@0630)	<b>HITH 7194 6883' TVD</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>7317</b>					<b>9 5/8</b>	<b>72766934</b>		<b>136</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations	
									Start	End	Start	End				
01.0	0500 - 0600	0	8 1/2	N	DRLG	CIRC	MPMP	RIG	7317	7317			BHA	909561	CIRCULATE HOLE CLEAN.	
00.5	0600 - 0630	0	8 1/2	N	DRLG	CIRC	MPMP	RIG	7317	7317			BHA	909561	FLOW CHECK. STATIC, PUMP SLUG.	
02.8	0630 - 0915	0	8 1/2	N	DRLG	TO	STDP	RIG	7317	7317	7315	654	BHA	909561	POOH WITH RSS-LWD-MWD ON 5" DP	
00.2	0915 - 0930	0	8 1/2	N	DRLG	OTH	NA	RIG	7317	7317			BHA	909561	FLOW CHECK PRIOR TO BHA. STATIC.	
00.2	0930 - 0945	0	8 1/2	N	DRLG	PJSM	NA	RIG	7317	7317					PJSM FOR HANDLING BHA.	
00.2	0945 - 1000	0	8 1/2	N	DRLG	TO	STHDP	RIG	7317	7317	654	105	BHA	909561	POOH WITH RSS-LWD-MWD ON 5" HWDP.	
00.2	1000 - 1015	0	8 1/2	N	DRLG	PJSM	NA	RIG	7317	7317					PJSM FOR REMOVAL OF RA SOURCE & L/D BHA,	
02.0	1015 - 1215	0	8 1/2	N	DRLG	HT	BHA	SDM	7317	7317	105	0	BHA	909561	SLB REMOVE RA SOURCE & L/D RSS-MWD-LWD BHA. BREAK & INSPECT BIT.	
00.5	1215 - 1245	0	8 1/2	N	DRLG	OTH	NA	RIG	7317	7317			BHA	909561	CLEAN & CLEAR RIG FLOOR.	
00.8	1245 - 1330	0	8 1/2	N	DRLG	HT	BHA	SDM	7317	7317			BHA	909561	SLB UPLOAD PROGRAM ON NEW TOOLS & WAIT FOR CONFIRMATION FROM TOWN.	
00.5	1330 - 1400	0	8 1/2	N	DRLG	PJSM	NA	RIG	7317	7317					SAFETY STAND DOWN MEETING: STOP WORK. PERMIT TO WORK ON SITE AUDITING. HAND & FINGER CAMPAIGN, RED ZONE AREAS. DISCUSS HANDLING BHA DANGERS AND SAFETY CONCERN & DANGER ZONES. MONITORING ALL PARAMETERS CLOSE WHILE DRILLNG AND TAKE CORRECT ACTIONS ASAP IF ANY ABNORMAL SIGNS WITHOUT INFORMING ANYONE. SAFETY LEADERSHIP, ARAMCO SAFETY EXPECTATIONS. MOC. LINE OF FIRE.	
02.2	1400 - 1615	0	8 1/2	N	DRLG	HT	BHA	SDM	7317	7317			BHA	909561	SLB CONT UPLOAD PROGRAM ON NEW TOOLS & WAIT FOR CONFIRMATION FROM TOWN.	
00.2	1615 - 1630	0	8 1/2	N	DRLG	PJSM	NA	RIG	7317	7317					PJSM ON HANDLING BHA AND LOADING OF RA SOURCE.	
00.5	1630 - 1700	0	8 1/2	N	DRLG	HT	BHA	SDM	7317	7317	0	79	BHA	909561	P/U 8.5 SLB RSS BHA.	
00.5	1700 - 1730	0	8 1/2	N	DRLG	HT	BHA	SDM	7317	7317			BHA	909561	SLB LOAD RA SOURCE.	
00.5	1730 - 1800	0	8 1/2	N	DRLG	HT	BHA	SDM	7317	7317	79	112	BHA	909561	M/U SLB MWD-LWD	
00.5	1800 - 1830	0	8 1/2	N	DRLG	TI	SPHDP	RIG	7317	7317	112	657	BHA	909561	RIH WITH SLB RSS-LWD-MWD ON 5" HWDP & JARS.	
00.2	1830 - 1845	0	8 1/2	N	DRLG	TI	STDP	RIG	7317	7317	675	1615	BHA	909561	RIH WITH SLB RSS-LWD-MWD ON 5" DP.	
00.5	1845 - 1915	0	8 1/2	N	DRLG	CIRC	MPMP	RIG	7317	7317			BHA	909561	SHALLOW TEST SLB TOOLS, GOOD TEST.	
02.8	1915 - 2200	0	8 1/2	N	DRLG	TI	STDP	RIG	7317	7317	1615	7227	BHA	909561	RIH WITH SLB RSS-LWD-MWD ON 5" DP. FILLING EACH 20 STD. (TEST SLB TOOLS @ 5500 FT. OK)	

01.2	2200 - 2315	0	8 1/2	E	DRLG	LOG	LWD	SDM	7317	7317	7227	7315	BHA	909561	RELOG AS REQUIRED.
00.2	2315 - 2330	0	8 1/2	N	DRLG	CIRC	MPMP	RIG	7317	7317			BHA	909561	SET PARAMETERS, DOWNLINK, TAKS SCR'S.
01.8	2330 - 0115	0	8 1/2	N	DRLG	D	RSS	SDM	7317	7370					SLB RSS/MWD/LWD DRILL 8-1/2" HOLE SECTION
00.5	0115 - 0145	0	8 1/2	N	DRLG	PJSM	NA	RIG	7370	7370					SAFETY STAND DOWN MEETING: STOP WORK. PERMIT TO WORK ON SITE AUDITING. HAND & FINGER CAMPAIGN, RED ZONE AREAS. DICSUSS HANDLING BHA DANGERS AND SAFETY CONCERN'S & DANGER ZONES. MONITORING ALL PARAMETERS CLOSE WHILE DRILLNG AND TAKE CORRECT ACTIONS ASAP IF ANY ABNORMAL SIGNS WITHOUT INFORMING ANYONE. SAFETY LEADERSHIP, ARAMCO SAFETY EXPECTATIONS. MOC. LINE OF FIRE.
03.2	0145 - 0500	0	8 1/2	N	DRLG	D	RSS	SDM	7370	7453					SLB RSS/MWD/LWD DRILL 8-1/2" HOLE SECTION

#### Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID		Type	Cause	Object	Resp Co	Depth	LT Summary
26 Feb 0315 - 2330	17.25	19	909561			BHA	FOT	MWD	SDM	7316	SLB MWD/LWD FAILURE. TROUBLE SHOOT SAME WITH TECH SUPPORT. NO SUCCESS.

=====  
BRRI-1003 WILL BE DRILLED AS A DUAL-LATERAL OIL PRODUCER TARGETING ARAB-A RESERVOIR.  
=====

=====  
WELL LAYOUT=====  
=====

CASING POINTS PLANNED VS ACTUAL DEPTH FOR BRRI-1003:

- \*24" CSG PLANNED @ 540' MD, SET @ 530 FT
- \*18-5/8" CSG PLANNED @ 965' MD , SET @ 971 FT.
- \*13-3/8" CSG PLANNED @ 3,725' MD. SET @ 3,735 FT
- \* 9-5/8" CSG PLANNED @ 7,276' MD. SET @ 7,276 FT
- \* 7" CSG PLANNED @ 10,800' MD.
- \* L-0 WELL TD PLANNED @ 14,809' MD,
- \* L-1 WINDOW PLANNED @ 8,500'
- \* L-1 PLANNED TD @ 15,870' MD

=====  
\* BRRI-1000/1009 PF, RIG HEADING: 329 DEG, RIG POSITION: LAT: 27 10.91" N LONG: 49 38.39" E.  
=====

=====  
\* FOLLOWING DIR PLAN L0 8-1/2 PLAN 10.0 CURRENTLY 8 FT ABOVE 7 FEET RIGHT 10 CTC.  
=====

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- ARAMCO MATERIALS EXPD, MOHAMED K ALJARI #8499686 ONBOARD SINCE 21-FEB-2023  
=====

#### SAFETY:

- \* DISCUS HSE ALERTS AS RECEIVED.
- \* DRILLS: 2 X PIT DRILL & 2 TRIP DRILL. CHOCK DRILL X 0.
- \* SENSORS CHECKED BY RIG FOREMAN WEEKLY.
- \* LC-50: BRRI-1001/1009 PF IS A ZERO DISCHARGE PF. NO LC-50 SAMPLE REQUIRED [AS PER D&WO-LC-50-001-R0].

=====  
\* 8" JAR SN# DJ6-800-279  
=====

#### S&S MANAGEMENT:

- SKIPS ON RIG = 4 FULL & 17 EMPTY
- SKIPS ON BOAT: = 47 EMPTY.
- SKIPS BACKLOADED IN LAST 24 HRS = 0
- SKIPS USED FOR BRRI-1003 TO DATE: 93
- SHIP THIS WELL = 5859 TONS & 2024 BBLS

#### CONTRACTOR MANAGEMENT VISITS:

- RIG MANAGER TAREK METWALLY DEP. RIG ON 09.FEB.2023.
- OPR. MANAGER JASON HOOK DEP. RIG ON 07.FEB.2023
- HSE MANAGER MOHAMOUD SBAITAN DEP. RIG ON 09.FEB.2022

=====  
\* NEXT WELL SFNY-4340 MLS

\* ESTIMATED RIG MOVE: 05/2023.

\* SITE SPECIFIC SURVEY: HSU CREATED ON 10/24/2022. # 8000 642242.

\* RIG MOVE REQUEST: NOT YET CREATED.

\* DEPRESSURIZATION REQUEST: NOT REQUIRED.

\* RIG DUE TO GO TO SHIP YARD 10/2023.

## Remarks



Date	Well No (Type) :	Rig	Foreman(s)	<b>IBRAHIM, NADER IBRAHIM/ ALI, MOHAMED</b>	
MONDAY 02/27/2023	<b>SFNY-349</b> <b>(SIDETRACK THE WELL TARGETING SFNY &amp; RUN ESP)</b>	H-5	Engineer	<b>ELSAYED HASSAN/ SHEHA, HASSAN ADEL/ AVILA FAULL, ENRIQUE JOSE/ SHEHRI, TALAL HASAN</b>	
	Charge (71- 22013-#: 0349)	Superintendent	THURAYA	RIG FORMAN VSAT	CONTRACTOR/CLERK VSAT
	Wellbores: (0) SFNY_349_0		882167711181	3786301	3786302

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
6468	L/D SLB ESP/Y-TOOL ASSY. PT BOP. RIH WITH PKR. BULLHEAD. POH & L/D 9-5/8" SLB QTM PKR RETRIEVING TOOL & WORK TO FREE SLB 9-5/8" QTM PKR.	WORK TO FREE SLB 9-5/8" QTM SFNY-349 IS LOCATED IN THE MOST NORTHEAST CONDUCTOR OF THE PLATFORM SFNY-348/353		3.0 (02/24/2023@0600)	

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
6550					9 5/8	6543	5698	-82	80

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
00.5	0500 - 0530	0		N	DCOM	KILL	MPMP	RIG	6468	6468			BULLHEAD 100 BBBLS W/70PCF VISCUS BRINE AT 3 BPM @ 900 PSI.			
02.0	0530 - 0730	0		N	DCOM	OTH	NA	RIG	6468	6468			HPJSM, L/D 9-5/8" WFD HYDRO II PACKER, 1 PUP 3-1/2" NVAM TBG, XO 3-1/2" NVAM X 3-1/2" EUE, 1 PUP 3-1/2" EUE, X-NIPPLE ASSY, 3 JT 3-1/2" EUE, PRESS DISCHARGE SUB & Y-TOOL ASSY, ESP PUMP ASSY WITH 2 JTS 2-7/8" BYPASS ASSY. - MONITOR WELL THRU TRIP TANK, HAD 25 BPH STATIC LOSSES. - RECOVERED 4-1/2" INTERWELL PUMP THROUGH PLUG & 3-1/2" EXPRO PX PLUG AT SURFACE.			
03.5	0730 - 1100	0		N	DCOM	OTH	NA	RIG	6468	6468			HPJSM, SAWAFI BORETS L/D ESP ASSY. - CHECK CABLE INTEGRITY, CABLE OK. - PUMP, MOTOR & SEAL SHAFT ROTATE FREE. - MOTOR READINGS OK. - MONITOR WELL THRU TRIP TANK, HAD 15 BPH STATIC LOSSES.			
01.0	1100 - 1200	0		N	DCOM	OTH	NA	RIG	6468	6468			HPJSM. R/D TBG HANDLING EQUIPMENT, CLEAN AND CLEAR RIG FLOOR.			
02.5	1200 - 1430	0		N	BOP	BOPT	BOP	RIG	6468	6468			HPJSM, M/U BOP TEST ASSY, PT TOP RAM AND ANNULAR TO 300/2500 PSI OK, L/D TEST ASSY.			
02.0	1430 - 1630	0		N	DCOM	HT	TBG	RIG	6468	6468			HPJSM, P/U & M/U SLB 9-5/8" QTM PKR RETRIEVING TOOL ASSY: SLB PKR RET TOOL+DOUBLE PIN SUB+BIT SUB W/FLOAT+6-3-4" BUMPER SUB+XO+15 JTS 5" HWDP+XO+6-3-4" FISHING JAR+XO. - MONITOR WELL THRU TRIP TANK, HAD 15 BPH STATIC LOSSES.			
06.0	1630 - 2230	0		N	SIMOPS	TI	SPDP	RIG	6468	6468	0	4800	RIH WITH SLB 9-5/8" QTM PKR RETRIEVING TOOL ASSY WHILE P/U 5" DP FROM DECK TO TOP OF QTM PKR @ 4800'. - FLUSH, DRIFT, AND HAMMER ON EACH JOINT. - MONITOR WELL THRU TRIP TANK, HAD 15 BPH STATIC LOSSES.			
02.0	2230 - 0030	0		N	DCOM	CIRC	MPMP	RIG	6468	6468			ACCUMULATED TIME TO FILL STRING & BREAK CIRCULATION EVERY 15 STANDS.			
01.0	0030 - 0130	0		N	DCOM	OTH	NA	RIG	6468	6468			RECORD PARAMETERS, CIRC & WASH DOWN, LATCH INTO PKR, SHEAR ANCHOR SUB PINS WITH 10 KLB SLACK OFF WEIGHT, S/O 30 KLB & CONFIRMED LATCHED.			
03.5	0130 - 0500	0		N	DCOM	OTH	NA	RIG	6468	6468			WORK TO UN-SET 9-5/8" QTM PKR IN 5 KLB INCREMENTS UP TO 80 KLB O/P AS PER SLB ENG WORK TO RELEASE QTM PKR PKR AND SEAL ASSY ...INC@RPT. - MONITOR WELL THRU TRIP TANK, HAD 15 BPH STATIC LOSSES.			

\* RELIEF WELLS INFORMATION: SFNY-241 N 3129742.80 M E 293273.00 M & SFNY-94 N 3128736.02 M E 285150.63 M

\* RIG HEADING 345 DEGREE.

\* CURRENT WATER DEPTH 48.5'.

\* USE SKIP & SHIP DUE TO SHALLOW WATER DEPTH.

\* NO ANCHORING RESTRICTIONS IN BOTH SIDE.

ODF TO TBG SPOOL = 26 FT. PRESENT RIG FLOOR TO TBG SPOOL = 78 FT. ODF CORRECTION = -52 FT.

**CURRENT LOCATION: SFNY 348/353 PLATFORM TO SIDETRACK THREE WELLS ( SFNY-349, SFNY-348 & SFNY-352)**

#### - CURRENT WELL: SFNY-349 SIDETRACK.

**- NEXT WELLS SFNY-348 & SFNY-352 IN SAME PLATFORM.**

**\* OBSERVATIONS SUBMITTED: 30.**

\* TOTAL DIESEL CONSUMPTION FOR RIG ENGINES: DAILY = 22 BBLS, CUMMULATIVE FOR SFNY-349 = 308 BBLS.

\* ARAMCO FCT FARIS ALASLANI BADGE# 790749 ON BOARD RIG SINCE FEB/20/2023.

## Remarks

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D&WO Morning Report (Service Providers View)  
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Daily OffShore  
(0500-0500) Saudi Aramco

Date <b>MONDAY</b> 02/27/2023	Well No (Type) : <b>BRR1-40</b> (DRILL PILOT HOLE TO BASE OF HDRY. P&A PH. DRILL LATERAL ACROSS HNIF OR HDRY.) Charge (71- 22024- #: 0040) (0- Wellbores: 1- BRR1_40_2 1)	Rig <b>HI-9</b>	Foreman(s) <b>PATEL, PRADIP K/ GABR, MOHAMED NOSHY/ MCMAHON, ERRAL FRANCISCO/ ALZAID, MOHAMMAD JAMAL/</b>			
	Engineer Superintendent		<b>WANG, LINLIN/ SHEHRI, TALAL HASAN</b>			
		RIG THURAYA +8821677700037	FORMAN VSAT 3786351	OTHER VSAT 3786353(RADIO ROOM)	OTHER VSAT 8212931 (RADIO ROOM)	CONTRACTOR/CLERK VSAT 3786352 (RIG CLERK)

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
9456	DRILLED 6-1/8" CURVE SECTION WITH SLB RSS.	DRILL 6-1/8" CURVE SECTION WITH SLB RSS TE, LOCATED ON THE NORTH-CHC, WIPER TRIP, DRILL 6-1/8" HZ SECTION WITH SLB RSS.	WESTERN SLOT OF BRRI 40/45 PLATFORM	58.8 (12/30/2022@0200)	JUBL 8520 TVD 7660 FT HNIF 9157 TVD 7850 FT HITH 7527 TVD 6844 FT YAMM 6669 TVD 6035 FT SULY 6975 TVD 6315 FT MNFR 7493 TVD 6811 FT PAAS 7932 TVD 7213 FT BPAS 7939 TVD 7218 FT ABAR 7948 TVD 7226 FT ABBR 8023 TVD 7291 FT BABR 8081 TVD 7341 FT ABCR 8104 TVD 7361 FT AD 8250 TVD 7474 FT BPDS 8271 TVD 7490 FT ABDR 8276 TVD 7494 FT

Prev. Depth	Liner Size	TOL	MD	TV'D	Last Csg Size	MD	TV'D	Footage	Circ %
<b>8826</b>	<b>4 1/2</b>	<b>7460</b>	<b>8943</b>	<b>8094</b>	<b>9 5/8</b>	<b>6453</b>	<b>5842</b>	<b>630</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
24.0	0500 - 0500	0-1-1	6 1/8	N	DRLG	D	RSS	SDM	8826	9456			SCHLUMBERGER RSS/MWD/LWD DRILLED 6-1/8" HOLE FROM 8826' TO 9456' W/ 76 PCF INNOVERT OBM & 100% CIRCULATION. AS PER APPROVED PLAN 'BRRI-40 L-1-1 PLAN 04 DATED 17 FEB 23'. - DRILLING PARAMETERS: WOB: 5-10 KLBS, RPM:130-150, TRQ: 6K - 8K FT-LB, FLOW RATE: 290-295 GPM, SPP: 3250 -3350 PSI. - WASH UP AND REAM DOWN EACH STAND BEFORE CONNECTION. - SWEEP HOLE W/ HW-HV PILLS EVERY 2 STANDS DRILLED. - SPURT TEST = 0.80 ML & PPT TOTAL = 1.80 ML AT 2500 PSI DIFFERENTIAL PRESSURE & 250 DEG F WITH 55 MICRON CERAMIC DISC. - CURRENT WELL PATH 2.35 FT ABOVE AND 4.38 FT LEFT OF APPROVED PLAN "BRRI-40 L-1-1 PLAN 04 DATED 17 FEB 23".

\* RELIEF WELLS INFO: BRRI-126 (SURFACE LOCATION: N-3012438.83, E-372876.64) & BRRI 62 (SURFACE LOCATION: N-3016466.75, E-373032.61).

\* RIG HEADING = 342 DEG, LAT 27 DEG 14.92' N, LONG 49 DEG 42.74' E, WATER DEPTH = 99 FT.

**\* ANCHORING RESTRICTIONS: NO ANCHORING ON ALL SIDES. ONLY DP BOATS ALLOWED ON THIS LOCATION.**

\* ODF TO TBG SPOOL = 34', RKB TO TBG SPOOL=99.65, ODF CORRECTION=-65.65'.

\* TOW @ 6705', BOW @ 6715' (FORMATION: YAMM LITHOLOGY: LIMESTONE & DOLOMITE)

**\* OBSERVATIONS SUBMITTED: 17.**

\* RADIO CHECK ON DRLG-EMR ACKNOWLEDGED BY ECC @ 20:15 HRS.

\* OBM SAMPLE FOR LC-50 TEST SENT ON 24-FEB-2023 VIA RAWABI-7 MANIFEST#2400606932.

\* NOV 4-3/4" DRILLING JAR SN: 38047488 RECD ON 7-FEB-2023, MFF# 2100680379 VIA RAWABI-323. P/U ON 13 FEB AT 02:30 HRS.

\* CURRENT PF: BRRI-40/45 TO WORKOVER 4 WELLS BRRI-40 (RE-ENTRY + PDHMS), BRRI-42 (RE-ENTRY+ESP), BRRI-41 (ESP) & BRRI-44 (ESP).

\* OFFLINE PT BERRI-41 AND BRRI-42 TCA TO 1000 PSI AND CCA TO 500 PSI ON 26 FEB 2023.

#### Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
0-1-1	9323	88.07	227.60	98	7926.53	1457.56	-2685.69	1457.56	3.88
0-1-1	9225	84.28	227.94	91	7919.99	1523.26	-2613.30	1523.26	4.57
0-1-1	9134	80.25	228.98	94	7907.75	1583.05	-2545.83	1583.05	4.54
0-1-1	9040	75.99	228.79	94	7888.4	1643.52	-2476.54	1643.52	4.88
0-1-1	8946	71.41	228.50	94	7862.03	1703.12	-2408.84	1703.12	4.45
0-1-1	8852	67.24	228.20	94	7828.85	1761.55	-2343.13	1761.55	4.75

DRILL STRING	BHA Hrs:	<b>72</b>																
	String Wt.	Pick Up	Slack Off		Rot. Torque			Jars:		<b>/ 107</b>		Shock Sub:		Mud Motor:	/ /			
	<b>165</b>	<b>190</b>	<b>145</b>		<b>6000</b>			Serial #/Hrs		<b>/</b>		/ /						
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
	<b>1</b>	<b>Bit</b>			<b>REED</b>	<b>6.125</b>	<b>1</b>	<b>6.125</b>	<b>1.25</b>	<b>0.5</b>	<b>3-1/2" R</b>					<b>S297109</b>		
	<b>2</b>	<b>RSS</b>			<b>SDM</b>	<b>4.98</b>	<b>1</b>	<b>6</b>	<b>3.64</b>	<b>14.85</b>	<b>NC38</b>	<b>3-1/2" RB</b>				<b>N000457</b>		
	<b>3</b>	<b>Float Sub</b>			<b>SDM</b>	<b>4.78</b>	<b>1</b>	<b>4.78</b>	<b>2.25</b>	<b>2.45</b>	<b>NC38</b>	<b>NC38</b>						
	<b>4</b>	<b>Power &amp; Communication Sub</b>			<b>SDM</b>	<b>4.83</b>	<b>1</b>	<b>4.83</b>	<b>2.5</b>	<b>8.9</b>	<b>NC-35</b>	<b>3-1/2" IF</b>				<b>33285</b>		
	<b>5</b>	<b>Measurement While Drilling (MWD)</b>			<b>SDM</b>	<b>4.83</b>	<b>2</b>	<b>5.5</b>	<b>2.25</b>	<b>33.8</b>	<b>3-1/2" IF</b>	<b>3-1/2" IF</b>				<b>91111 SAT</b>		
	<b>6</b>	<b>Logging While Drilling (LWD)</b>			<b>SDM</b>	<b>4.875</b>	<b>1</b>	<b>5.875</b>	<b>2.25</b>	<b>23.47</b>	<b>3-1/2" IF B</b>	<b>3-1/2" IFB</b>				<b>B1249</b>		
	<b>7</b>	<b>Non Magnetic Drill Collar ( NMDC )</b>			<b>SDM</b>	<b>5</b>	<b>1</b>	<b>5</b>	<b>2.813</b>	<b>26.62</b>	<b>3-1/2" IFB</b>	<b>3-1/2" IFF</b>						
	<b>8</b>	<b>Filter Sub</b>			<b>SDM</b>	<b>4.75</b>	<b>1</b>	<b>4.8</b>	<b>1.75</b>	<b>5.69</b>	<b>3-1/2" IFB</b>	<b>3-1/2" IFF</b>				<b>475-1021</b>		
	<b>9</b>	<b>PBL (Multiple Activation By Pass)</b>			<b>WWB</b>	<b>4.75</b>	<b>1</b>	<b>4.75</b>	<b>1.25</b>	<b>8.12</b>	<b>3-1/2" IFB</b>	<b>3-1/2" IFF</b>				<b>SBM-475BP19</b>		
	<b>10</b>	<b>Crossover</b>			<b>RIG</b>	<b>4.75</b>	<b>1</b>	<b>4.875</b>	<b>2.25</b>	<b>2.54</b>	<b>4"XT-39 B</b>	<b>3-1/2" IFF</b>				<b>9200</b>		
	<b>11</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>4</b>	<b>2</b>	<b>5</b>	<b>2.56</b>	<b>61.48</b>	<b>XT-39</b>	<b>XT-39</b>	<b>25.1</b>					
	<b>12</b>	<b>Dogleg Reamer</b>			<b>NRT</b>	<b>6.125</b>	<b>1</b>	<b>6.125</b>	<b>1.875</b>	<b>4.27</b>	<b>4" XT39 B</b>	<b>4" XT39 P</b>				<b>G280258</b>		
	<b>13</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>4</b>	<b>3</b>	<b>5</b>	<b>2.56</b>	<b>91.74</b>	<b>4" XT39 B</b>	<b>4" XT39 P</b>	<b>25.1</b>					
	<b>14</b>	<b>Hydro-Mechanical Jar</b>			<b>NOJ</b>	<b>4.75</b>	<b>1</b>	<b>4.75</b>	<b>2.25</b>	<b>25.1</b>	<b>4" XT39 B</b>	<b>4" XT39 B</b>				<b>38047488</b>		
	<b>15</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>4</b>	<b>3</b>	<b>4.75</b>	<b>2.562</b>	<b>92.4</b>	<b>4" XT39 B</b>	<b>4" XT39 P</b>	<b>25.1</b>					
	<b>16</b>	<b>Drillpipe</b>			<b>RIG</b>	<b>4</b>	<b>1</b>	<b>4.75</b>	<b>3.34</b>	<b>31.5</b>	<b>4" XT39 B</b>	<b>4" XT39 p</b>	<b>14 G PR</b>					
Miscellaneous	BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA		Safety Meeting										
	<b>02/24/2023</b>	<b>TOURLY</b>	<b>18 KTS SE</b>	<b>3 FT</b>	<b>VIS 2 NM, OVERCAST</b>	<b>3682</b>	<b>TOURLY</b>											
Personnel and Services Information	Real-Time Data Quality		Sensors Quality		100%	Data Frequency		100%	Real-Time Hrs		11.49/24 hrs							
	COMPANY		<b>GOS</b>	<b>SDM</b>	<b>RIG</b>	<b>BDF</b>	<b>BAR</b>	<b>NOJ</b>	<b>BR1</b>	<b>RIG</b>	<b>ARM</b>							
	CATEGORY		<b>CTRG</b>	<b>DPDS</b>	<b>RIG</b>	<b>DFMS</b>	<b>JST</b>	<b>MLS</b>	<b>OTHR</b>		<b>WSC</b>					Total <b>72</b>		
	NO. OF PERSONS		<b>12</b>	<b>4</b>	<b>48</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>4</b>							
	OPERATING HRS.		<b>0</b>	<b>24</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>							
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>							
Trucks/Boats	Standby/Tankers																	
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX												
	<b>1503</b>	<b>547</b>	<b>990</b>	<b>1201</b>		<b>1560</b>												
REPAIR ASAP	Instrumentation	Other	Computer, Communication & V-Sat Issues												Reporter			

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D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HMYM-342414 (VELOCITY STRING INSTALLATION)</b> Charge #: <b>(83- 20710- 7370)</b> Wellbores: <b>(0- HMYM_342414_1 1)</b>	Rig <b>HWU-1</b>	Foreman(s) <b>LEWIS, JOEY DANIEL/ HAUGHIAN, BRADLEY DOUGLAS/</b> Engineer Superintendent <b>RUMAIH, JEHAD FAWZI/ BATYOUR, ABDULAZIZ MOHAMMED</b>	
		THURAYA <b>8821677712861</b>	RIG FORMAN VSAT <b>378-8215</b>	CONTRACTOR/CLERK VSAT <b>378-8216</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>17135</b>	<b>CONTINUE RIH 2.875" TUBING, FLUSH BOPE, RD HWU-1, DRIFT 2.875" TUBING, LAND HANGER</b>	<b>RU 2 9/16" TREE RETRIEVE PLUGS</b>	<b>HMYM-342414</b>	<b>1.9</b> (02/25/2023@0800)	
Prev. Depth <b>17135</b>	Liner Size	TOL MD TVD	Last Csg Size MDTVD	Footage <b>0</b>	Circ %

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
<b>10.8</b>	<b>0500 - 1545</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>TI</b>	<b>SNUP</b>	<b>RIG</b>	<b>17135</b>	<b>17135</b>	<b>7902</b>	<b>10668</b>	<b>CONTINUE SNUB-IN-HOLE (SIH) W/ 2.875" 6.5# BHA FROM SURFACE STRIPPING RAM TO RAM W/ 3,900PSI WHP. DRIFTING EACH JOINT OF TBG W/ 2.347 " TBG DRIFT. FILLING TBG W/ 65PCF BRINE EVERY 50 JTS.</b>
<b>07.2</b>	<b>1545 - 2300</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>DTU</b>	<b>DRFT</b>	<b>HSL</b>	<b>17135</b>	<b>17135</b>			<b>-RU SL AND RIH W/ 2.347" DUAL DRIFT W/ 2.25 LIB TO 10,670' WLM TOP OF DEBRIS CATCHER POOH. RD HES SLU. FILL TUBING WITH 65PCF BRINE. -PREPARE SNUBBING UNIT WORK BASKET &amp; HYDRAULIC SNUBBING JACK FOR TBG HANGER OPERATIONS.</b>
<b>02.0</b>	<b>2300 - 0100</b>	<b>0-1</b>		<b>C</b>	<b>BOP</b>	<b>OTH</b>	<b>BOP</b>	<b>RIG</b>	<b>17135</b>	<b>17135</b>			<b>-AFTER REMOVING TUBING GUIDES, RAM #1 START LEAKING, SECURE WELL AND REPLACE RAM FRONTS BEFORE LANDING HANGER</b>
<b>00.5</b>	<b>0100 - 0130</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>PJSM</b>	<b>TBG</b>	<b>RIG</b>	<b>17135</b>	<b>17135</b>			<b>HPJSM W/ ALL INVOLVED PARTIES FOR LANDING HANGER OPERATIONS</b>
<b>01.8</b>	<b>0130 - 0315</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>RPCS</b>	<b>TBGHR</b>	<b>RIG</b>	<b>17135</b>	<b>17135</b>	<b>10668</b>	<b>10710</b>	<b>SIH RAM TO RAM W/ CAM TBG HANGER ON 2-7/8" LANDING ASSEMBLY, PU WEIGHT 30K / SO WEIGHT 20K EQUALIZE OVER TO WHP- 3,900 PSI. LAND TBG HANGER INTO CAMERON TH PROFILE &amp; PRESSURE-UP BOP STACK TO 3,000 PSI OVER WHP(7000PSI) @ TOP OF TUBING HANGER, CAM REP. TORQUE-UP ALL HANGER LDS &amp; MEASURE THE LDS RUN-IN. -RU SL PCE, PERFORM TUBING HANGER DRIFT RUN TO 150'. (DRIFT GOOD)</b>
<b>01.8</b>	<b>0315 - 0500</b>	<b>0-1</b>		<b>C</b>	<b>WH</b>	<b>PTST</b>	<b>TBGHR</b>	<b>CAM</b>	<b>17135</b>	<b>17135</b>			<b>INFLOW TEST TBG HANGER FOR 4 HOURS, CHANGE BOP STRIPPER RAMS 2 R/D AUX EQUIPMENT * NOTE - INFLOW TEST COMPLETE @ 07:15</b>

JOURNEY MANAGEMENT: CALL HWU-1 RIG 013 378 8215 OR LEAD FOREMEN PRIOR TO TRAVELING TO HMYM-3424 WELL PAD. LOCATION IS 155KM. FROM DMG. TAKE HALF-MOON BAY ROAD TO UQAIR ROAD, & TAKE FOURTH SKID-ROAD (15KM) ON RIGHT & FOLLOW (HWU-1) SIGNS (8KM) TO WELL PAD HMYM-3424 PROVIDE THE FOLLOWING INFORMATION: NAME OF COMPANY, NUMBER OF PERSONNEL, COLOR OF VEHICLE AND EMERGENCY CONTACT NUMBER OF BASE PERSONNEL. NIGHT DRIVING IS NOT RECOMMENDED, STAY TO THE RIGHT SIDE OF SKID ROAD ON ALL HILLS.

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\*\*ARAMCO RIG CLERK: SATHIK BATCHA. R #8544198 ON LOCATION (10/16/2022)

\*\*ARAMCO FOREMAN: DARNELL SMITH #8590027 ON LOCATION (2/19/23)

\*\* ARAMCO SAFETY ADVISOR SHAILESH WARKAR # 8980959 ON LOCATION 02/26/23

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RIG POSITION: N- 2832762.04 E- 397883.70

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\*RHSEI INSPECTION 10/13/2022 FINDINGS = 118 | CLOSED ITEMS 109 | OPEN ITEMS 9

\* PCI INSPECTION 12/23/2022 FINDINGS = 71 | CLOSED ITEMS 61 | OPEN ITEMS 10

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**DRILLS: 0****NEAR MISS: 0****STOP WORK AUTHORITY: 2****OBSERVATIONS: 9****LTI FREE DAYS-1074****DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP): DAILY:3,836LT / TOT:67,587LT**

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS			
<b>MUD DATA</b>												
MUD TREATMENT												
BIT DATA												
DRILL STRING												
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #												
BOP Test		BOP Drills		Wind		Sea		Weather				
Miscellaneous		Real-Time Data Quality					<b>No Transmission</b>					
Personnel and Services Information	COMPANY		CAM	OTH	RIG	ARM	HSL	FMC	ARM			
	CATEGORY		WHES	CTRG	RIG	OTHR	SLS	PRS	WSC			
	NO. OF PERSONS		2	13	48	2	4	2	3			
	OPERATING HRS.		12	0	12	12	12	12	12			
	ON LOCATION HRS.		24	24	24	24	24	24	24			
Trucks/Boats	Standby/Tankers											
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX						
REPAIR ASAP	Instrumentation		Other									
	Computer, Communication & V-Sat Issues											

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Total  
**74**

Reporter

Date <b>MONDAY</b> <b>02/27/2023</b>	Well No (Type) : <b>HZEM-161004</b> <b>(SNUB IN VELOCITY</b> <b>STRING)</b> Charge #: <b>(83- 23541- 7777)</b> Wellbores: <b>(0- HZEM_161004_2</b> <b>2)</b>	Rig <b>HWU-</b> <b>2</b>	Foreman(s) <b>DAPOGNY, THOMAS MARTIN/ GARNI, HUSAM</b> <b>MANSOUR/</b> Engineer <b>RUMAIH, JEHAD FAWZI/</b> Superintendent <b>BATYOUR, ABDULAZIZ MOHAMMED</b>				
			<table border="1"> <tr> <td>THURAYA <b>8821677713779</b></td><td>RIG FORMAN VSAT <b>013-378-8214</b></td><td>RIG FORMAN VSAT <b>013-576-5137</b></td><td>CONTRACTOR/CLERK VSAT <b>013-576-5138</b></td></tr> </table>	THURAYA <b>8821677713779</b>	RIG FORMAN VSAT <b>013-378-8214</b>	RIG FORMAN VSAT <b>013-576-5137</b>	CONTRACTOR/CLERK VSAT <b>013-576-5138</b>
THURAYA <b>8821677713779</b>	RIG FORMAN VSAT <b>013-378-8214</b>	RIG FORMAN VSAT <b>013-576-5137</b>	CONTRACTOR/CLERK VSAT <b>013-576-5138</b>				

Depth <b>18157</b>	Last 24 hr operations <b>RU HWU-2, TEST BOP'S</b>	Next 24 hr plan <b>SIH WITH VELOCITY STRING</b>	Location <b>HZEM FIELD</b>	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %

**18157** **0**

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
02.0	0500 - 0700	0-2		M	RM	RM	NA	RIG	18276	18276			-RIG UP BASKET AND SCOPE UP GIN POLE. -CONNECT/SECURE HYDRAULIC POWER/RETURN HOSES @ GROUND LEVEL IN PREPARATION TO PERFORM (CFT) OF HYDRAULIC SYSTEM. -PERFORM (CFT) OF HYDRAULIC SYSTEM. -FUNCTION TEST KOOMEY REMOTE PANELS AND KOOMEY UNIT. -FUNCTION TEST ALL SNUBBING UNIT EQUIPMENT. -PERFORM SNUBBING UNIT HYDRAULIC (CFT), SET HYDRAULIC WORKING PRESSURES, PERFORM PUSH & PULL TEST OF THE HYDRAULIC SNUBBING & SLIP SYSTEM. -RIG UP MINOR MISC EQUIPMENT AND PREPARE FOR PRESSURE TESTING BOP STACK.
05.0	0700 - 1200	0-2		M	RM	RM	NA	RIG	18276	18276			-PERFORM (CFT) OF HYDRAULIC SYSTEM. -FUNCTION TEST KOOMEY REMOTE PANELS AND KOOMEY UNIT. -FUNCTION TEST ALL SNUBBING UNIT EQUIPMENT. -PERFORM SNUBBING UNIT HYDRAULIC (CFT), SET HYDRAULIC WORKING PRESSURES, PERFORM PUSH & PULL TEST OF THE HYDRAULIC SNUBBING & SLIP SYSTEM. -RIG UP MINOR MISC EQUIPMENT AND PREPARE FOR PRESSURE TESTING BOP STACK.
12.0	1200 - 0000	0-2		M	RM	RM	NA	RIG	18276	18276			-PU & MU 2.875" PRESSURE TEST ASSEMBLY / TIW VALVE W/ KELLY-HOSES @ SNUBBING WORK BASKET LEVEL, TEST #4 AND #7 BOPS PER ARAMCO TESTING PROCEDURES -REMOVE 2-7/8" TEST JOINTS -CHANGE-OUT 2-7/8" SLIP DIES TO 2-3/8" IN TRAVELING, & STATIONARY HYDRAULIC SLIP-BOWLS IN PREPARATION TO PERFORM PT ON #1, 2, 3, & 6 BOPE
05.0	0000 - 0500	0-2		M	RM	RM	NA	RIG	18276	18276			-PU & MU 2.375" PRESSURE TEST ASSEMBLY / TIW VALVE W/ KELLY-HOSES @ SNUBBING WORK BASKET LEVEL. -FILL BOPE STACK AND START PRESSURE TESTING OPERATIONS FOR #1, 2, 3, & 6 BOPE PER ARAMCO TESTING PROCEDURES. -ONGOING AT REPORT TIME

JOURNEY MANAGEMENT: CALL HWU-2 RIG 013 378 8214 OR LEAD FOREMEN PRIOR TO TRAVELING. LOCATION IS 260 KM F/DHA MAIN GATE 95 KM SOUTH OF HOFUF ON SALWA ROAD 26 KM SKID ROAD. FOLLOW (HWU-2) SIGNS TO WELL PAD PROVIDE THE FOLLOWING INFORMATION: NAME OF COMPANY, NUMBER OF PERSONNEL, COLOR OF VEHICLE AND EMERGENCY CONTACT NUMBER OF BASE PERSONNEL. NIGHT DRIVING IS NOT RECOMMENDED, STAY TO THE RIGHT SIDE OF SKID ROAD ON ALL HILLS.

\*\* MATERIAL EXPEDITOR FAWAZ M AL-DHAFFERI #8553607 ON LOCATION ON 3/22/2023

\*\* MATERIAL EXPEDITOR TAWAZI M AL-BHAI EERI #8353507 ON LOCATION ON 2/22/2022

\*\* ARAMCO SAFETY ADVISOR SHAILESH WARKAR # 8980959 ON LOCATION SINCE 02/22/23

**NEAR MISS: 0**

REAR MI  
DRILL 0

**STOP WORK AUTHORITY: 1**

OBSERVATIONS: 11

LTI FREE DAYS: 142

#### Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
<b>MUD DATA</b>									
<b>MUD TREATMENT</b>									
<b>BIT DATA</b>									
<b>DRILL STRING</b>									
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #									
BOP Test BOP Drills Wind Sea Weather DSLTA Safety Meeting									
Miscellaneous									
Real-Time Data Quality						No Transmission			

Personnel and Services Information	COMPANY	INW	NCM	RIG	ARM	HSL	ARM	CAM		Total <b>73</b>
	CATEGORY	BRCR	CTRG	OTHR	OTHR	SLS	WSC	WHES		
	NO. OF PERSONS	1	13	49	2	4	3	1		
	OPERATING HRS.	12	0	12	12	12	12	12		
	ON LOCATION HRS.	24	24	24	24	24	24	24		
	Trucks/Boats	Standby/Tankers								
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX				
REPAIR ASAP	Instrumentation	Other								Reporter
	Computer, Communication & V-Sat Issues									

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D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HMYM-848 (WATER SUPPLY)</b> Charge (86- 22710-#: <b>7611</b> ) Wellbores: (0) HMYM_848_0	Rig <b>JACK-201</b>	Foreman(s) <b>NOURI, MILOUD/ HARBI, SALEM ALI/ ALZAID, OSAMA SALMAN/ SARRANI, HASSAN FAHAD</b>
		THURAYA <b>+8821677712537</b>	RIG FORMAN VSAT <b>013-3787841</b>

Depth <b>5970</b>	Last 24 hr operations <b>BULLHEAD WELL W/WATER , L/D STRING .</b>	Next 24 hr plan <b>CONT BULLHEAD WELL ,FLOWING WELL, L/D STRING,CLEAN CELLAR,RELEASE RIG.</b>	Location <b>HUFOUF AUQIR BRIDGE, NEW AUQIR-SALWA ROAD, 10 KM AFTER HUFOUF BRIDGE, TURN LEFT 5KM SKID ROAD</b>	Days Since Spud/Comm (Date) <b>63.1 (12/26/2022@0000)</b>	Formation tops <b>DMMM 200 6' SHALLOWER RUS 600 18' DEEPER UMER 880 3' SHALLOWER ARUM 2405 23' SHALLOWER AHMD 4890 2' DEEPER SFNY 5440 2' DEEPER</b>
Prev. Depth <b>5970</b>	Liner Size <b>7</b>	TOL <b>5319</b>	MD <b>5859</b>	TVD <b>5859</b>	Last Csg Size <b>13 3/8</b>
				MD <b>3727</b>	TVD <b>0</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
<b>24.0</b>	<b>0500 - 0500</b>	<b>0</b>		<b>C</b>	<b>STIM</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>5970</b>	<b>5970</b>			<b>CONTINUE, BULLHEAD WELL W/ FRESH WATER. SLOW RATE 2-3 BBL/ 5 MIN AND PRESSURE BETWEEN 300 TO 700 PSI. * PUMPED: 115 BBLS OF 600 BBLS, , CHECK FLOW NEGATIVE . * MEAN WHILE L/D 5" DP FROM DERICK IN MOUSE HOLE</b>

#### OBJECTIVE:

- HMYM-848 WILL BE USED AS DRILLING WATER SUPPLY WELL SUPPORTING EXPLORATORY UNCONVENTIONAL HMYM BLOCK 4.
- THE WELL IS LOCATED IN NON-POPULATED AREA.
- THE TARGET AQUIFER IS WASI AQUIFER SAND.

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#### NEXT LOCATION:

- WELL NAME: HMYM-845.
- LOCATION READINESS: READY .

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#### WELL DESIGN:

- 30" CSG (34" HOLE SECTION) @ 128' RKB.
- 24" CSG (28" HOLE SECTION) @ 608' RKB
- 18-5/8" (22" HOLE SECTION) @ 2458' RKB.
- 13-3/8" CSG (17" HOLE SECTION) @ 3728' RKB.
- 9 5/8" CSG (12 1/4" HOLE SECTION) @ 5458' RKB.
- 7" SCREEN (8 1/2" HOLE SECTION) @ 6028' RKB.

#### ELEVSAFETY:

- D &WOSD WEEKLY MANAGEMENT OF CHANGE AWARENESS MESSAGE # 8 MOC
- REVIEWED PROCEDURES FOR CSE - CONFINED SPACE ENTRY
- TATION FROM RIG FLOOR TO GROUND LEVEL: 28 FT.

--

RIG LOCATION: HUFOUF AUQIR BRIDGE, NEW AUQIR-SALWA ROAD, 10 KM AFTER HUFOUF BRIDGE, TURN LEFT 5KM SKID ROAD, (FOLLOW RIG SIGN BOARDS).

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#### NEAREST HOSPITAL FOR EMERGENCY & CONTACT:

AL MOOSA SPECIALIST HOSPITAL, AL HOFUF. PHONE NO: 013-536-9999

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#### SAFETY:

- ARAMCO LIFE SAVING RULES, UNDERSTAND, COMPLY, DO NOT BREAK ANY RULES
- SAFETY AWARENESS WHILE LAYING DOWN DRILL PIPE
- COMMUNICATION, TEAM WORK AND BUDDY SYSTEM OF WORK
- HAZARDS HUNTS - IDENTIFY, ELIMINATE, REDUCE, CONTROL HAZARDS, MAKE YOUR AREA SAFE

#### - DRILL: NIL

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#### ARAMCO :

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- CUSTOMIZE MUDLOGGING SERVICES IS REQUIRED IN THIS WELL F/ SURFACE TO TD
- CUSTOMIZE OPEN HOLE LOGGING IN 8 1/2" OH SECTION.

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#### SERVICE COMPANY:

- \* WELL LINK TRANSMISSION DATA REMOTELY BY RCC STARTING F/ 12/25/22.

\* OES MUD ENGINEER ON LOCATION F/ 12/25/22.

==

- HAJJAN TANKERS & VEHICLES ON LOCATION:

\* 1 SWEET WATER TANKERS.

\* 8 RAW WATER TANKERS.

\* 1 4X4 AMBULANCE CAR.

\* 2 PICK-UP CAR & 1 BUS FOR CREW.

\* 1 BUS

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RENTAL TOOLS:

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WASTE MANAGEMENT KPI:

- DRILLING WASTE CUTTINGS: DAILY = 0 M3 / TOTAL = 216.13 M3.

- REUSED WATER: DAILY = 0 M3 / TOTAL 244.48 M3.

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WATER SOURCE:

\* UWSD-702 (STRAIGHT DISTANCE: 40.13 KM; TOTAL DISTANCE: 80.26 KM)

- DAILY: 0 TRIPS, TOTAL/WELL = 356 TRIPS.

- DAILY KM = 0 KM, TOTAL KM/WELL = 28572.56 KM.

\* HWYH-3514 (STRAIGHT DISTANCE: 140.84 KM; TOTAL DISTANCE: 281.68 KM)

- DAILY: 0 TRIPS, TOTAL/WELL = 13 TRIPS.

- DAILY KM = 0 KM, TOTAL KM/WELL = 3661.84 KM.

\* ABQQ-918 (STRAIGHT DISTANCE: 64.58 KM; TOTAL DISTANCE: 129.16 KM)

- DAILY: 0 TRIPS, TOTAL/WELL = 96 TRIPS.

- DAILY KM = 0 KM, TOTAL KM/WELL = 12399.36 KM.

- CUMMULATIVE TRIPS: 465 TRIPS, CUMMULATIVE KM =44633.76 KM.

- DAILY VOLUME= 0 M3, TOTAL VOLUME = 14880 M3.

- DUMPING WATER = 0 M3, TOTAL = 357.75 M3.

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3 GECAT VACUUM TANKERS ARRIVED ON LOCATION ON 02/15/2023.

- TRUCK# 4118 BJB: DAILY TRIP = 1 / TOTAL = 11

- TRUCK# 7142 BLA: DAILY TRIP = 1 / TOTAL = 11

- TRUCK# 6873 XVA: DAILY TRIP = 1 / TOTAL = 10

3 GECAT VACUUM TANKERS ARRIVED ON LOCATION ON 02/16/2023.

- TRUCK# 7412 NHA: DAILY TRIP = 0 / TOTAL = 4

- TRUCK# 2713 GUA: DAILY TRIP = 0 / TOTAL = 5

- TRUCK# 6916 JHA: DAILY TRIP = 0 / TOTAL = 1

3 GECAT VACUUM TANKERS ARRIVED ON LOCATION ON 02/17/2023.

- TRUCK# 5335 NBA: DAILY TRIP = 1 / TOTAL = 8

- TRUCK# 5337 NBA: DAILY TRIP = 1 / TOTAL = 8

- TRUCK# 1249 LDA: DAILY TRIP = 0 / TOTAL = 6

1 GECAT VACUUM TANKERS ARRIVED ON LOCATION ON 02/19/2023.

- TRUCK# 4060 KRA: DAILY TRIP = 1 / TOTAL = 8

1 GECAT VACUUM TANKERS ARRIVED ON LOCATION ON 02/21/2023.

- TRUCK# 3983 LJA: DAILY TRIP = 0 / TOTAL = 5

\* TOTAL TRIPS: 77

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DIESEL:

- DAILY RIG CONSUMPTION = 7 BBLS

- DAILY CAMP CONSUMPTION = 5 BBLS

- RIG DIESEL IN STOCK = 94 BBLS

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight <b>75 PCF</b>	Funnel Vis. <b>0 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0 Volts</b>	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9</b>	CA PPM <b>0</b>	CL PPM <b>172000</b>	
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>CACL</b>	Water Well # <b>HMYM-807</b>		
	Weight <b>75 PCF</b>	Funnel Vis. <b>0 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0 Volts</b>	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9</b>	CA PPM <b>0</b>	CL PPM <b>172000</b>	
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>CACL</b>	Water Well # <b>HMYM-</b>		

MUD TREATMENT	CAUST	ECCO-TEMP	O-3670R																							
	4(50LBP)	6(100LB)	4(55GL)																							
BIT DATA																										
DRILL STRING	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #										
	1	Bit			SEC	8.5	1	8.5	0.95	4-1/2 REG						13433551										
	2	Near Bit Roller Reamer			RIG	8.5	1	8.5	1.375	5.45	4-1/2	4-1/2														
	3	Drillcollar			RIG	6.5	11	6.5	2.81	30.08	4-1/2	4-1/2														
	4	String Reamer			RIG	8.5	1	8.5	1.37	5.35	4-1/2	4-1/2														
	5	Drillcollar			RIG	6.5	9	6.5	2.81	271	4-1/2	4-1/2														
	6	Hydraulic Jar			NPJ	6.75	1	6.75	2.81	32.12	4-1/2	4-1/2				HMJ-675-182										
	7	Drillcollar			RIG	6.5	2	6.5	2.81	60.23	4-1/2	4-1/2														
	8	Heavy Weight Drillpipe (HWDP)			RIG	5	6	5	3	180.5	4-1/2	4-1/2														
	9	Drillpipe			RIG	5	1	5	4.276	31025	4-1/2	4-1/2														
Miscellaneous	BOP Test 01/30/2023			BOP Drills			Wind NO	Sea NO	Weather NORMAL			DSLTA		Safety Meeting DAILY												
	Real-Time Data Quality			Sensors Quality			0%	Data Frequency			100%	Real-Time Hrs		11.48/24 hrs												
Personnel and Services Information	COMPANY		RZT	RIG	OES	RIG	ARM									Total 73										
	CATEGORY		CTRG	RIG	DFMS	OTHR	WSC																			
	NO. OF PERSONS		11	46	1	14	1																			
	OPERATING HRS.		0	12	12	12	12																			
	ON LOCATION HRS.		24	24	24	24	24																			
Trucks/Boats	Standby/Tankers																									
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS 94		Barite- SX 44		Bentonite - SX 23		Cement G- SX 500																	
REPAIR ASAP	Instrumentation		Other													Reporter										
	Computer, Communication & V-Sat Issues OK																									

D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>KHRM-808 (WATER SUPPLY)</b> Charge #: <b>( - )</b> Wellbores: (0) KHRM_808_0	Rig <b>JACK-202</b>	Foreman(s) <b>GOUDA, ALAA RAGAB/ HARBI, SALEM ALI/ ALZAID, OSAMA SALMAN/ SARRANI, HASSAN FAHAD</b>
		Engineer Superintendent <b>THURAYA +8821677713737</b>	RIG FORMAN VSAT <b>0133786378</b>
		CONTRACTOR/CLERK VSAT <b>0133786376</b>	

Depth <b>0</b>	Last 24 hr operations <b>RIG DOWN ON TRYQ-807, R/M TO KHRM-808, WAIT ON DAY LIGHT.</b>	Next 24 hr plan <b>RIG DOWN ON DMG TO UDAILYA BRIDGE, 8 KM TRYQ-807, R/M TO KHRM-808</b>	Location <b>UDAILYA ROAD, 3KM TO HAWIAH GAS PLANT, TURN LEFT 9 KM, 1 KM SKID ROAD</b>	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops
Prev. Depth <b>0</b>	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
12.0	0500 - 1700	0		N	RM	RD	NA	RIG	0	0			HELD SAFETY MEETING WITH ALL PERSONNEL INVOLVED.
													* RIG DOWN ON TRYQ-807 ..... 90%. * RIG MOVE TO KHRM-808 ..... 30%. * RIG UP ON KHRM-808 ..... 0%  ** LOWERED MAST AT 14:00 HR'S @ 25-FEB-2023
12.0	1700 - 0500	0		N	RM	RD	NA	RIG	0	0			WAIT ON DAYLIGHT.

THE FOLLOWING IS THE RECOMMENDED DRILLING PROGRAM FOR KHRM\_808 WILL BE USED AS DRILLING WATER SUPPLY WELL SUPPORTING EXPLORATORY UNCONVENTIONAL KHRM WATER DISPOSAL PROGRAM.

=====

NEAREST HOSPITAL:

- \* AL-EKHWA MEDICAL CENTER, 130 KM.
- \* TELEPHONE NUMBER- 0596253698.

=====

NEXT LOCATION: N/A

LOCATION READINESS:

REQUEST DATE: N/A

=====

RIG MOVE EQUIPMENTS: DISTANCE FROM TRYQ-807 TO KHRM-808 = 650 KM.  
 3 CRANES 3 FORKLIFT, 1 TRUCK PUSHER, 2 LOW BED, 16 FLAT BED

=====

- 28" HOLE: SET 24" CSG @ 128' RKB (100' BGL).
- 22" HOLE: SET 18 5/8" CSG @ 650 FT-BGL (+/-20 FT INTO RUS)
- 17" HOLE: SET 13-3/8" CSG @ 900 FT-BGL (+/-100 FT INTO UMER)
- 12 1/4" HOLE: OPEN HOLE @1700 FT-BGL.

=====

\*\* ELEVATION FROM RIG FLOOR TO GROUND LEVEL: 28 FT.

\*\* WELL LINK WILL BE PROVIDED TO PICK CASING POINT AND FORMATION TOPS REMOTELY BY RCC (REMOTE CASING CENTER).

\*\* CUSTOMIZE MUD LOGGING SERVICES IS REQUIRED IN THIS WELL FROM SURFACE TO TD.

\*\* LOGGING SERVICES ARE REQUIRED IN THIS WELL.

=====

HELD DAILY SAFETY MEETING WITH RIG CREW:

- 1) EMPHASIZE THE CORRECT SELECTION OF LIFTING EQUIPMENT.
- 2) OUTLINE SAFE OPERATING PROCEDURES FOR CRANES AND FORKLIFTS.
- 3) STATE REQUIREMENT FOR TRAINED OPERATORS.
- 4) CRANES AND HOISTS SHALL BE SUITABLE FOR WORK.
- 5) SAFELY WORKING PROCEDURE LIFTING JOB.
- 6) DISCUSSED ABOUT THE STOP WORK AUTHORITY.
- 7) DISCUSSED ABOUT DANGEROUS INSECT AND AWARENESS.

DRILL: NIL

NEAR MISS: NIL.

=====

ARAMCO:

=====

SERVICE COMPANY:

\*\* OES MUD ENGINEER MUSTAFA ARRIVED TO WELL LOCATION FROM 09-FEB-2023 @ 18:00 HR'S.

\*\* RIG SP-123, 15 PERSONNEL FROM RRE RIG MOVE CREW ON LOCATION FROM FRIDAY 24/FEB/2023 TILL 25/FEB/2023.

=====

\*NO COVERAGE FOR RADIO CHECK & CONDUCTED A DAILY PHONE COMMUNICATION CHECK WITH DHAHRAN DRILLING ECC AT @ 15:30 HRS OK.

=====

**RENTAL TOOLS:**

=====

**- HAJJAN TANKERS, HEAVY EQUIPMENT & VEHICLES ON LOCATION:**

\* 1 SWEET WATER TANKERS.

\* 0 RAW WATER TANKERS.

\* 1 HAJJAN 4X4 AMBULANCE CAR.

\* 2 HAJJAN PICK-UP CAR.

=====

**WATER SOURCE:**

HWH-3517.

DAILY: NUMBER OF TRIPS: 0 TRIPS, TOTAL= 0 TRIPS.

DAILY KM=0 KM, TOTAL= 0 KM.

DAILY VOLUME= 0 M3; TOTAL VOLUME= 0 M3

=====

**WASTE MANAGEMENT KPI:**

- DRILLING WASTE CUTTINGS: DAILY= 0 M3 / TOTAL= 0 M3.

- REUSED WATER: DAILY= 0 M3 / TOTAL = 0 M3

- DUMPING WATER= 0 M3 TOTAL= 0 M3.

=====

**DIESEL:**

- DAILY CONSUMPTION: RIG= 0 BBLS; CAMP: = 4.5 BBLS; TOTAL= 9 BBLS.

- RIG DIESEL IN STOCK: 233.6 BBLS.

=====

GECAT VACCUM: ARRIVED TO WELL LOCATION ON 21/JAN/2023 @ 08:00 HR'S.

- PLATE NO. 5902 VZA DAILY = 1 TRIP. TOTAL= 2 TRIPS

- PLATE NO. 7412 NHA DAILY = 1 TRIP. TOTAL= 2 TRIPS

- PLATE NO. 9954 RHA DAILY = 1 TRIP. TOTAL= 2 TRIPS

- PLATE NO. 7421 NHA DAILY = 1 TRIP. TOTAL= 1 TRIPS

- PLATE NO. 8703 ZRA DAILY = 1 TRIP. TOTAL= 1 TRIPS

- PLATE NO. 1764 RRA DAILY = 1 TRIP. TOTAL= 1 TRIPS

- PLATE NO. 4002 LRA DAILY = 1 TRIP. TOTAL= 1 TRIPS

- PLATE NO. 5118 ZRA DAILY = 1 TRIP. TOTAL= 1 TRIPS

- PLATE NO. 5123 ZRA DAILY = 1 TRIP. TOTAL= 1 TRIPS

- PLATE NO. 2763 TRA DAILY = 1 TRIP. TOTAL= 1 TRIPS

- PLATE NO. 8217 RRA DAILY = 1 TRIP. TOTAL= 1 TRIPS

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS						
MUD DATA															
MUD TREATMENT															
BIT DATA															
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #	
Miscellaneous	BOP Test	BOP Drills		Wind		Sea		Weather		DSLTA		Safety Meeting			
				NORMAL		NO		NORMAL		DAILY					
	Real-Time Data Quality							No Transmission							
Personnel and Services Information	COMPANY		RZT	RIG	OES	RIG	ARM					Total 71			
	CATEGORY		CTR G	RIG	DFMS	OTHR	WSC								
	NO. OF PERSONS		11	47	1	11	1								
	OPERATING HRS.		0	12	0	12	24								
	ON LOCATION HRS.		24	24	24	24	24								
Trucks/Boats	Standby/Tankers														
	<b>AB-5496</b>														
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX									
REPAIR ASAP	Instrumentation		Other				Reporter								
	Computer, Communication & V-Sat Issues														

D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date	Well No (Type) :	Rig	Foreman(s)	<b>MUTAIRI, DHAIFALLAH KHULAFI/HARBI, SALEM ALI/ ALZAID, OSAMA SALMAN/SARRANI, HASSAN FAHAD</b>
MONDAY 02/27/2023	<b>UTMN-3553 (WATER SUPPLY)</b> Charge #: (58- 22057-#: <b>3553</b> ) Wellbores: (0) UTMN_3553_0	JACK-203	Engineer Superintendent	
		THURAYA	RIG FORMAN VSAT <b>+8821677713735</b>	OTHER VSAT <b>0135788566</b>

Depth	Last 24 hr operations					Next 24 hr plan					Location			Days Since Spud/Comm (Date)		Formation tops	
155	N/U 30" DVRT, PU & RIH W/ 22" BHA, COC, ROTARY DRILL 22" HOLE SECTION					ROTARY DRILL 22" HOLE SECTION TO 573FT					UTMN-3553			3.5 (02/23/2023@1800)			
Prev. Depth	Liner Size					TOL	MD		TVD		Last Csg Size	MD	TVD	Footage	Circ %		
	Hrs (From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Start	End	Start	End	Summary of Operations		
04.5	0500 - 0930	0	28	N	BOP	NU	DVRT	RIG	128	128					HPJSM, N/U 30"-1M ANNULAR BOP, 30"-1M MUD CROSS WITH 2X 7-1/16"-2M HCR & 2 X 8" FLANGED INVASION LINES.		
03.0	0930 - 1230	0	28	N	BOP	NU	BNIP	RIG	128	128					INSTALL BELL NIPPLE AND CONNECT FLOW AND FILL UP LINES, CONNECT HYDRAULIC CONTROL LINES FROM KOOMEY TO DIVERTER, KILL LINE.		
02.0	1230 - 1430	0	28	N	BOP	BOP	DVRT	RIG	128	128					FLUSH HCR VALVES AND DIVERTER LINES WITH WATER. FUNCTION TEST ALL HCR VALVES AND 30" BOP- OK.		
03.5	1430 - 1800	0	28	N	DRLG	TI	BHA	RIG	128	128	0	88			HPJSM, P/U & M/UP 22" ROTARY DRILLING BHA & RIH TO 88' RKB TAG TOP OF CMT.		
03.5	1800 - 2130	0	28	N	DRLG	DC	KELLY	RIG	128	128	88	118			HPJSM, COC W/ WATER TO 118' RKB (10' ABOVE 24" CSG SHOE).		
01.0	2130 - 2230	0	28	N	DRLG	CIRC	MPMP	RIG	128	128					PUMP 50 BBLS HVP & CHC, PERFORM HYDRO TEST -OK, DISPLACE HOLE WITH 65 PCF SPUD MUD.		
01.0	2230 - 2330	0	28	N	DRLG	DC	KELLY	RIG	128	128	118	128			CONT. COC W/ 65 PCF SPUD MUD TO 128' RKB.		
05.5	2330 - 0500	0	22	N	DRLG	D	KELLY	RIG	128	155					ROTARY DRILL 22" HOLE SECTION W/ 65 SPUD MUD W/100% CIRC. - PUMP TWICE 20 BBLS HV EACH JOINT. - WASH UP / REAM DOWN 2 TIMES PRIOR TO CONNECTION.		

#### OBJECTIVE:

THE FOLLOWING IS THE RECOMMENDED DRILLING PROGRAM FOR UTMN-3553, WHICH WILL BE DRILLED AS WATER-WATER SUPPLY IN UTMN. THE WELL IS LOCATED 0.277 KM N18W OF UTMN-404 AND 0.527 KM N74W OF UTMN-772. HE FOLLOWING PROGRAM IS TO DRILL A WATER WELL SUPPLY UTMN\_3553. UTMN\_3553 WILL BE USED AS FACILITY WATER SUPPLY WELL SUPPORTING FACILITY UTMN GOSP-10.

#### =====

#### NEXT LOCATION:

- \* WELL NAME: DHAW-801
- \* REQUEST DATE: 12/12/2022
- \* LOCATION READINESS: NOT CHECKED YET.

#### =====

#### NEAREST HOSPITAL FOR EMERGENCY & CONTACT:

- AL AHSA HOSPITAL, AL HOFUF PH: 0135844000
- DISTANCE: 50 KM

#### =====

#### THE FOLLOWING IS THE RECOMMENDED WELL DESIGN:

- 28" HOLE: SET 24" CSG @ 128' RKB (100' BGL) SAT AT 128'.
- 22" HOLE: SET 18-5/8" CSG @ 573' RKB (545' BGL)
- 17" HOLE: SET 13-3/8" CSG @ 878' RKB (850' BGL)
- 12-1/4" OPEN HOLE @ 1428' RKB (1400' BGL)

#### =====

- ELEVATION FROM RIG FLOOR TO GROUND LEVEL: 28 FT.
- ARAMCOLINK DATA TRANSMISSION SERVICE WILL BE USED FOR THIS WELL TO PICK UP CSG POINTS AFTER 28" HOLE SECTION AND FORMATION TOPS BY RCC TEAM FROM 02/27/2023.

#### =====

RIG LOCATION: NEAR FACILITY UTMN GOSP-10.

#### =====

#### SAFETY SUBJECT:

1. DISCUSSED ABOUT THE CURRENT OPERATION AND THEIR RELATED SAFETY MEASURES.
2. DISCUSSED SAFETY MEASURES WHILE BOP N/U.
3. DISCUSSED PINCH POINT HAZARDS AND CONTROL MEASURES.
4. DISCUSSED WEEK 8 D&WOSD MESSAGE MANAGEMENT OF CHANGE AWARENESS.
5. ADVISED TO REPORT UNSAFE CONDITIONS IN THE FORM OF STOP CARDS.

- CONDUCTED A DAILY COMMUNICATION CHECK WITH DAHRAN DRILLING ECC BY PHONE @ 16:00.

#### =====

#### ARAMCO:

#### ====

#### RENTAL TOOL:

- 12" OILSERV SS SN# ST-1200-0048 ON LOCATION SINCE 02/20/23.
- 1ST RUN P/U ON 02/23/23 @ 16:00HRS, L/D ON 02/25/23 @12:30HRS.

-2ND RUN P/U ON 02/26/23 @ 16:00HRS,

====

**SERVICE COMPANY:**

-OES MUD ENGINNER ARRIVED ON LOCATION SINCE 02/19/23

-SINOPEC H2S TEAM ARRIVED ON LOCATION ON 02/18/23 @ 20:00 HRS INSTALLED REMOTE SENSORS.

====

**- HAJJAN TANKERS, HEAVY EQUIPMENT & VEHICLES ON LOCATION:**

\* 1 SWEET WATER TANKERS.

\* 8 RAW WATER TANKERS.

\* 1 HAJJAN 4X4 AMBULANCE CAR.

\* 1 HAJJAN BUS.

\* 2 HAJJAN PICK-UP CAR.

\* 1 CRANE.

\* 1 FORKLIFT.

====

**WASTE MANAGEMENT KPI:**

- DRILLING WASTE CUTTINGS: DAILY= 0 M3 / TOTAL= 13.32 M3.

- DRILLING WASTE FLUIDS: DAILY= 48 M3 / TOTAL= 73.6 M3.

- REUSED WATER: DAILY= 0 M3 / TOTAL = 0 M3.

====

**WATER SOURCE:**

- UTMN-857 (STRAIGHT DISTANCE: 5 KM; TOTAL DISTANCE: 10 KM).

- DAILY: NUMBER OF TRIPS: 5 TRIPS, TOTAL = 17 TRIPS.

- DAILY KM= 50 KM, TOTAL = 170 KM

- DAILY VOLUME = 160 M3, TOTAL = 544 M3

- BACK-UP UTMN-901 (STRAIGHT DISTANCE: 20.8 KM; TOTAL DISTANCE: 41.6 KM).

- DAILY: NUMBER OF TRIPS: 0 TRIPS, TOTAL = 0 TRIPS.

**Remarks**

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS									
MUD DATA	Weight <b>63 PCF</b>	Funnel Vis. <b>27 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>7</b>	CA PPM <b>0</b>	CL PPM <b>800</b>												
	FL Temp <b>0</b>	Cake HTHP	Cake API <b>0</b>	Water Vol.% <b>100</b>	Oil Vol.% <b>0</b>	Solids Vol.% <b>0</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>SPUD</b>	Water Well # <b>UTMN-857, UTMN-901</b>													
	Weight <b>63 PCF</b>	Funnel Vis. <b>27 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>7</b>	CA PPM <b>0</b>	CL PPM <b>800</b>												
	FL Temp <b>0</b>	Cake HTHP	Cake API <b>0</b>	Water Vol.% <b>100</b>	Oil Vol.% <b>0</b>	Solids Vol.% <b>0</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>SPUD</b>	Water Well # <b>UTMN-857, UTMN-901</b>													
MUD TREATMENT	BENT <b>3(2500L)</b>	CAUST <b>2(50LB)</b>	SODASH <b>2(100LB)</b>																					
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out													
	<b>2RR</b>	<b>425</b>	<b>22</b>	<b>SMT</b>	<b>RV0635</b>	<b>GSI06</b>	<b>/ 3 X 16 / 3 X 18 / 1.335</b>	<b>128</b>	<b>155</b>															
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av									
								<b>120</b>	<b>330</b>	<b>79</b>	<b>17.62</b>	<b>19.64</b>	<b>9</b>											
DRILL STRING	Float	<b>Y</b>																						
	BHA Hrs:																							
	String Wt.	Pick Up	Slack Off <b>46</b>	Rot. Torque			Jars: <b>1000</b>	/ Serial #/Hrs			Shock Sub: <b>/</b>	/ Mud Motor: <b>/</b>												
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class									
	<b>1</b>	<b>Bit</b>			<b>SMT</b>	<b>22</b>	<b>1</b>	<b>22</b>	<b>3</b>	<b>2.2</b>	<b>7 5/8" REG</b>				<b>RV0635</b>									
	<b>2</b>	<b>Near Bit Roller Reamer</b>			<b>RIG</b>	<b>22</b>	<b>1</b>	<b>22</b>	<b>2.875</b>	<b>10.24</b>	<b>7 5/8" REG</b>	<b>7 5/8" REG</b>												
	<b>3</b>	<b>Shock Sub</b>			<b>OJR</b>	<b>12</b>	<b>1</b>	<b>12</b>	<b>3</b>	<b>10.36</b>	<b>7 5/8" REG</b>	<b>7 5/8" REG</b>			<b>ST12000048</b>									
	<b>4</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>2.875</b>	<b>28.8</b>	<b>7 5/8" REG</b>	<b>7 5/8" REG</b>												
	<b>5</b>	<b>String Reamer</b>			<b>RIG</b>	<b>22</b>	<b>1</b>	<b>22</b>	<b>2.875</b>	<b>9.87</b>	<b>7 5/8" REG</b>	<b>7 5/8" REG</b>												
	<b>6</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>9.5</b>	<b>2</b>	<b>9.5</b>	<b>2.875</b>	<b>58.57</b>	<b>7 5/8" REG</b>	<b>7 5/8" REG</b>												
	<b>7</b>	<b>Crossover</b>			<b>RIG</b>	<b>8.5</b>	<b>1</b>	<b>8.5</b>	<b>2.875</b>	<b>2.38</b>	<b>7 5/8" REG</b>	<b>6 5/8" REG</b>												
	<b>8</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>8.5</b>	<b>10</b>	<b>8.5</b>	<b>2.875</b>	<b>300.18</b>	<b>6 5/8" REG</b>	<b>6 5/8" REG</b>												
	<b>9</b>	<b>Crossover</b>			<b>RIG</b>	<b>8.5</b>	<b>1</b>	<b>8.5</b>	<b>2.875</b>	<b>2.62</b>	<b>6 5/8" REG</b>	<b>4 1/2" IF</b>												
	<b>10</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>5</b>	<b>6</b>	<b>5</b>	<b>3</b>	<b>183.53</b>	<b>4 1/2" IF</b>	<b>4 1/2" IF</b>												
	<b>11</b>	<b>Drillpipe</b>			<b>RIG</b>	<b>5</b>	<b>10</b>	<b>5</b>	<b>4.27</b>	<b>315.88</b>	<b>4 1/2" IF</b>	<b>4 1/2" IF</b>												
Miscellaneous	BOP Test		BOP Drills		Wind	Sea	Weather			DSLTA		Safety Meeting												
	<b>PRE TOUR MEETING</b>																							
Real-Time Data Quality																								
		COMPANY	RZT	RIG	OES	SNS	RIG	NCS	ARM															
		CATEGORY	CTRG	RIG	DFMS	H2S	OTHR	PCS	WSC															

Personnel and Services Information	NO. OF PERSONS	11	44	1	1	14	5	1	Total <b>77</b>
	OPERATING HRS.	0	12	12	12	12	0	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	
	Standby/Tankers	<b>2 SWEET WATER TRUCK</b>		<b>8 RAW WATER TRUCKS</b>		<b>AB-7101</b>	<b>HAJJAN BUS</b>		
Trucks/Boats	<b>AMBULANCE</b>	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>208</b>	Barite- SX <b>52</b>	Bentonite - SX <b>111</b>	Cement G- SX <b>2070</b>		
BULK	REPAIR ASAP	Instrumentation	Other						Reporter
		Computer, Communication & V-Sat Issues							

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D&WO Morning Report (Service Providers View)  
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 Daily OffShore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>BRRI-35 (NEW ESP INSTALLATION)</b>	Rig <b>MP- 1</b>	Foreman(s) Engineer Superintendent <b>BAIG, RAKEB BARI / KHALIL, AHMED YASSIN/ INFRA, MORY/ GREIG, KENNETH DAVID</b>
	Charge (72- 21024-#: <b>0035</b> ) Wellbores: (0- 1) BRRI_35_1	THURAYA <b>008821677711350</b>	RIG FORMAN VSAT <b>673-3529</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>12600</b>	<b>LD 9-5/8" WBCO ASSY. PU &amp; RIH W/ BAKER ESP COMPLETION STRING.</b>	<b>RIH W/ BAKER ESP COMPLETION STRING. LAND TBG HGR. DISPLACE TO INH BRINE. SET PLUG, SET PKR. SET ME PLUG. ND BOP.</b>	<b>BRRI-34/39 PF</b>	<b>31.1</b> (01/26/2023 @2345)	
<b>Prev. Depth</b>	<b>Liner Size</b>	<b>TOL</b>	<b>MD</b>	<b>TVD</b>	
<b>12600</b>	<b>4 1/2</b>	<b>6919</b>	<b>9011</b>	<b>7415</b>	

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
02.0	0500 - 0700	0-1		N	CT	HT	BHA	RIG	12600	12600			<b>LD 9-5/8" WBCO ASSY.</b>			
01.2	0700 - 0815	0-1		N	CT	CIRC	MPMP	RIG	12600	12600			<b>MU &amp; RIH JETTING TOOL ASSY. JET BOP &amp; WELLHEAD. LD JETTING TOOL</b>			
00.5	0815 - 0845	0-1		C	COMP	HT	TBG	RIG	12600	12600			<b>CLEAN &amp; CLEAR RIG FLOOR.</b>			
00.2	0845 - 0900	0-1		C	COMP	PJSM	TBG	RIG	12600	12600			<b>HELD PRE JOB SAFETY MEETING TO RU BAKER POWER TONGS, HANDLING EQUIP &amp; BAKER ESP EQUIP.</b>			
01.0	0900 - 1000	0-1		C	COMP	HT	PEL	BCR	12600	12600			<b>RU BAKER POWER TONG &amp; HANDLING TOOLS.</b>			
01.5	1000 - 1130	0-1		C	COMP	HT	ESPL	BAL	12600	12600			<b>RU BAKER ESP EQUIP.</b>			
00.2	1130 - 1145	0-1		C	COMP	PJSM	ESP	BAL	12600	12600			<b>HELD PRE JOB SAFETY MEETING FOR PU ESP COMPLETION.</b>			
01.0	1145 - 1245	0-1		C	COMP	HT	ESP	BAL	12600	12600			<b>PU &amp; MU W/L RE-ENTRY GUIDE, 4 EA 2-7/8 BYPASS ZENITH JTS FOR Y-TOOL, 3-1/2" LOWER NPL W/2.75" SEAL BORE.</b>			
03.2	1245 - 1600	0-1		C	COMP	HT	ESP	BAL	12600	12600			<b>PU &amp; MU BAKER ESP ASSY: MOTOR BASE PLUG 2-3/8" EUE, ZENITH SENSOR TYPE E7, MOTOR 562XP 175/2110/51, 513S SEAL, 513 SERIES GPINT PUMP INTAKE, PMP 538 PMSXD 41 FLEX60, PRESS PORT, PUMP HEAD 3-1/2" EUE.</b>			
00.5	1600 - 1630	0-1		C	COMP	PJSM	TBG	RIG	12600	12600			<b>HELD SAFETY STAND DOWN MEETING, DISCUSSED: SWA, PJSM, SJA, H2S, FIRE &amp; ABANDON DRILLS &amp; RESPONSIBILITIES OF PERSONNEL &amp; TEAMS. DEMONSTRATE HOW TO PROPERLY PUT ON SCBA'S AND LIFE JACKETS.</b>			
04.5	1630 - 2100	0-1		C	COMP	HT	ESP	BAL	12600	12600			<b>PU &amp; MU BAKER ZENITH Y-BLOCK ASSY W/ 3-1/2" XO, 3 1/2" ZENITH TOP NIPPLE 2.813" PROFILE &amp; HANDLING SUB. PU CROSSOVER, "R" NIPPLE ASSY W/ 3.688" ID, 1 X JT 4 1/2" 13.5# VTHC TBG. FILL ESP MOTORS W/ HYD OIL. CONNECT ELEC FLAT CABLE TO ESP MOTOR &amp; CHECK CABLE ELEC. INTEGRITY.</b>			
00.5	2100 - 2130	0-1		C	COMP	HT	PKR	BAL	12600	12600			<b>PU 1 JT X 4 1/2" 13.5# VTHC TBG &amp; 3 PUP JTS 4 1/2" 13.5# VTHC TBG.</b>			
00.2	2130 - 2145	0-1		C	COMP	PJSM	SFLN	RIG	12600	12600			<b>HELD PRE-JOB SAFETY MEETING FOR RU HAL S-LINE.</b>			
01.0	2145 - 2245	0-1		C	COMP	DTU	DRFT	HSL	12600	12600			<b>RU HAL S-LINE. RIH 3.795" DRIFT TO "R" NIPPLE. POH. RIH 2.75" DRIFT TO Y BLOCK. POH &amp; RD S-LINE.</b>			
00.2	2245 - 2300	0-1		C	COMP	PJSM	TBG	RIG	12600	12600			<b>HELD PRE JOB SAFETY MEETING FOR PU PRAXIS PKR ASSY.</b>			
00.5	2300 - 2330	0-1		C	COMP	HT	PKR	BAL	12600	12600			<b>PU 9-5/8" PRAXIS PACKER ASSY &amp; CROSSOVER.</b>			
01.2	2330 - 0045	0-1		C	COMP	DTU	DRFT	HSL	12600	12600			<b>RU HAL S-LINE. RIH 3.70" DRIFT TO "R" NIPPLE. POH. POH &amp; RD S-LINE.</b>			
00.2	0045 - 0100	0-1		C	COMP	HT	TBG	BCR	12600	12600			<b>MU 1 JT X 4-1/2" 12.6# L-80 TENARIS BLUE TBG ABOVE PACKER ASSY.</b>			
00.5	0100 - 0130	0-1		C	COMP	PJSM	TBG	RIG	12600	12600			<b>HELD SAFETY STAND DOWN MEETING, DISCUSSED: SWA, PJSM, SJA, H2S, FIRE &amp; ABANDON DRILLS &amp; RESPONSIBILITIES OF PERSONNEL &amp; TEAMS. DEMONSTRATE HOW TO PROPERLY WEAR SCBA'S AND LIFE JACKETS.</b>			
00.2	0130 - 0145	0-1		C	COMP	PJSM	TBG	RIG	12600	12600			<b>HELD PRE JOB SAFETY MEETING FOR RU BAKER SHEAVE IN DERRICK.</b>			
01.5	0145 - 0315	0-1		C	COMP	HT	ESPL	BAL	12600	12600			<b>RU BAKER ROUNDED ESP CABLE SHEAVE ON DERRICK.</b>			
01.8	0315 - 0500	0-1		C	COMP	HT	ESPL	BAL	12600	12600			<b>RMS TERMINATE ESP CABLE AT BAKER 9-5/8" PREMIER ESP PACKER.....INC AT RT.</b>			

\* FINAL RIG POSITION: LAT: 27°15.4' N & LONG: 049°41.0' E., HEADING 005 DEG.

=====

RIG MOVE TO PLATFORM: BRRI-19/22 PLATFORM TO W/O BRRI-21 APPROXIMATE RIG MOVE DATE 03/15/2023.

\*\* SEABED SURVEY: REQ#8800018798, REQUESTED ON 23 OCT 2022. FINAL REPORT RECEIVED ON 15-DEC-2022.

\*\* RIG MOVE MEETING F/BRRI-34/39 T/BRRI-19/22: RM-2022-4007980 SUBMITTED ON 28 OCT 22, DONE ON 28 DEC 2022.

\*\* SOIL DATA ANALYSIS SENT TO CONTRACTOR FOR LOCATION APPROVAL ON 24 OCT 2022.

\*\* PLATFORM DEPRESSURIZATION REQUEST ID # 22652 SUBMITTED 29 OCT 2022.

\*\* BOUYING INSTALLATION REQUEST#DP-2023-12998 SUBMITTED ON 24 JAN 2023. REPORT NOT RECEIVED YET.

RIG MOVE TO PLATFORM: BRRI-12, 140, 151 TO W/O BRRI-151 APPROXIMATE RIG MOVE DATE 31-MARCH-2023.

\*\* SEABED SURVEY: REQ#8800019382, SUBMITTED ON 6 FEB 2023.

\*\* RIG MOVE MEETING REQUEST# RM-2023-4008441 SUBMITTED ON 07 FEB 2023

\*\* PLATFORM DEPRESSURIZATION REQUEST ID # 23331 SUBMITTED 12 FEB 2023.

=====

\* BOP DRILLS: PIT DRILLS: 0, TRIP DRILLS: 0

=====

RENTAL TOOLS ON BOARD:

\* RECEIVED 4 3/4" SMITH JAR SN: 41721K ON 30 JAN 2023.

\* RECEIVED RAWABI 2-7/8" DP ON 4 FEB 2023.

=====

- PT TCA ON BRRI-37 TO 1000 PSI, HOLDING.

- PT TCA ON BRRI-38 TO 1000 PSI, HOLDING.

=====

CONTRACTOR MANAGEMENT VISITS:

- RIG MANGER, GARRY LEWIS DEPARTED RIG 14-FEB-23.

- OPERATION MANAGER, JASON HOOK DEPARTED 31-JAN-23.

\* ARAMCO MATERIALS EXPD, ALHAWASILAH, JABER A #8531825 ONBOARD SINCE 23-FEB-2023.

Remarks

Lateral	Survey MD		Angle	Azimuth	CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS								
MUD DATA	Weight <b>74</b>	Funnel Vis. <b>43</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability Volts	3/6 RPM <b>0/0</b>	Gels Sec/Min <b>0/0</b>	PH <b>10.2</b>	CA PPM <b>92800</b>	CL PPM <b>155000</b>									
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>94</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>6</b>	Sand Vol. %	% LGS <b>0</b>	MBT	Mud type <b>CACL</b>	Water Well #										
	Weight <b>74</b>	Funnel Vis. <b>43</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability Volts	3/6 RPM <b>0/0</b>	Gels Sec/Min <b>0/0</b>	PH <b>10.2</b>	CA PPM <b>92400</b>	CL PPM <b>150000</b>									
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>94</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>6</b>	Sand Vol. %	% LGS <b>0</b>	MBT	Mud type <b>CACL</b>	Water Well #										
MUD TREATMENT																					
BIT DATA																					
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #							
Miscellaneous	BOP Test <b>02/13/2023</b>	BOP Drills <b>TOURLY</b>		Wind <b>18-20 NE</b>	Sea <b>3-4 FT</b>	Weather <b>SEASONAL</b>		DSLTA <b>5709</b>	Safety Meeting <b>TOURLY</b>												
	Real-Time Data Quality							No Transmission													
Personnel and Services Information	COMPANY	BAL	INW	GOS	SCP	RIG	OES	SRT	ARM	HSL	BCR	ARM	GEP	Total <b>81</b>							
	CATEGORY	ALS	BRCR	CTRG	PSSC	RIG	DFMS	JST	OTHR	SLS	PRS	WSC	WHES								
	NO. OF PERSONS	7	1	12	1	49	1	0	1	3	3	2	1								
	OPERATING HRS.	19	0	0	0	24	12	2	0	4	20	24	0								
	ON LOCATION HRS.	24	24	24	24	24	24	0	24	24	24	24	24								
Trucks/Boats	Standby/Tankers <b>HADI-24</b>																				
BULK	Drill Wtr.-BBLS <b>1687</b>	Pot Wtr.- BBLS <b>1170</b>	Fuel- BBLS <b>819</b>	Barite- SX <b>2459</b>	Bentonite - SX <b>624</b>	Cement G- SX <b>1613</b>															
REPAIR ASAP	Instrumentation	Other																			
	Computer, Communication & V-Sat Issues													Reporter							

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>RBYN-65 (SINGLE LATERAL OIL PRODUCER TARGETING KHAFJI RESERVOIR)</b>	Rig <b>MP-4</b>	Foreman(s) <b>SALLAM, MOHAMED OKBA/</b> Engineer <b>GOMAA, MOHAMED MOSTAFA MOHAMED AL/</b> Superintendent <b>DAHMOUSH, ABDULLATEEF AHMAD</b>
	Charge (66- 22062-#: <b>0065</b> ) Wellbores: (0) RBYN_65_0	THURAYA	RIG FORMAN VSAT <b>8821623700031</b> OTHER VSAT <b>3782360 (FOREMAN)</b> <b>3782362 (RADIO ROOM)</b> CONTRACTOR/CLERK <b>VSAT</b> <b>3782361 (CLERK)</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>7732</b>	<b>ACCUMULATOR DRAWDOWN TEST. RIH W/ CO BHA. PT CSG. D/OUT DV. RIH. PT CSG. CLEAN OUT SHOE TRACK. PT CSG. DISPLACE WITH BF OBM. D/OUT SHOE. CHC. POOH.</b>	<b>POOH. L/D C/OUT BHA. ASSMBLE &amp; RIH 8-1/2" SPS RSS BHA. RE-LOG. HORIZONTAL DRILL 8-1/2" HOLE SECTION.</b>	<b>RBYN-60/69 PLATFORM</b>	<b>21.9</b> (02/26/2023 @0600)	<b>ZKB2 7587 6118' TVD (5.9' TVD SHALLOWER)</b>

Prev. Depth	Liner Size	TOL	MD	TVB	Last Csg Size	MD	TVB	Footage	Circ %
<b>7732</b>			<b>9 5/8</b>	<b>77316124</b>			<b>0</b>		<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations					
									Start	End	Start	End						
00.5	0500 - 0530	0		N	BOP	BOPT	RBOP	RIG	7732	7732			PERFORMED ACCUMULATOR DRILL.					
00.5	0530 - 0600	0		N	BOP	OTH	WBSH	RIG	7732	7732			INSTALL 11" FMC WEAR BUSHING					
00.0	0600 - 0600	0		S	OT	COMM	NA	RIG	7732	7732			COMMENCE OPERATION ON RBYN-64					
01.5	0600 - 0730	0	12 1/4	N	CT	HT	BHA	RIG	7732	7732			P/UP & M/UP & RIH WITH 8-1/2" CLEAN OUT BHA (NEW 8-1/2" ROCK BIT GTX-G3 S/N Z546YT, BIT SUB, 8.599" STRING MILL, X.O, 3 JTS 6-1/2" DC, X.O, 2 JTS 5" HWDP, 6-1/2" DRLG JAR S/N HM1650-067, 30 JTS 5" HWDP).					
02.0	0730 - 0930	0	12 1/4	N	CT	TI	STDP	RIG	7732	7732	198	4363	RIH W/ 8-1/2" C/O ASSY ON 5" HWDP & 5" DP TO 4363 FT.					
01.8	0930 - 1115	0	12 1/4	N	CT	CIRC	MPMP	RIG	7732	7732			CHC, P/T CSG TO 1400 PSI FOR 10 MIN-HOLD.					
01.5	1115 - 1245	0	12 1/4	N	DRLG	DC	TDS	RIG	7732	7732	4363	4680	WASHED DOWN & C/OUT CMT TILL TAG DV @ 4680 FT.					
01.5	1245 - 1415	0	12 1/4	N	DRLG	DFS	TDS	RIG	7732	7732	4680	4683	D/OUT DV. SMOOTHED SEVERAL TIMES WITH & WITHOUT PUMP & ROTATION.					
00.8	1415 - 1500	0	12 1/4	N	CT	TI	STDP	RIG	7732	7732	4685	6783	WASH DOWN EXTRA STAND BELOW DV.					
01.5	1500 - 1630	0	12 1/4	N	DRLG	DC	TDS	RIG	7732	7732	6783	7342	PRECAUTIONARY WASH DOWN OUT F/ 6783 FT. TAG UPPER (BYPASS) PLUG @ 7342 FT.					
00.8	1630 - 1715	0	12 1/4	N	CT	CIRC	MPMP	RIG	7732	7732			CIRC BTM-UP. PT CSG TO 1400 PSI 10 MIN-HOLD.					
00.5	1715 - 1745	0	12 1/4	N	DRLG	DFS	TDS	RIG	7732	7732	7342	7344	D/OUT WIPER PLUGS.					
03.2	1745 - 2100	0	12 1/4	N	DRLG	DC	TDS	RIG	7732	7732	7342	7606	D/OUT CMT F/ 7342 FT. TAG BAFFLE PLAT & FLOAT COLLAR @ 7606 FT.					
00.8	2100 - 2145	0	12 1/4	N	DRLG	DFS	TDS	RIG	7732	7732	7606	7610	D/OUT BAFFLE PLATE & FLOAT COLLAR. SMOOTHED SAME SEVERAL TIMES WITH & W/OUT CIRCULATION & ROTATION.					
01.2	2145 - 2300	0	12 1/4	N	DRLG	DC	TDS	RIG	7732	7732	7610	7700	D/OUT CMT BELOW FLOAT COLLAR INSIDE SHOE TRACK.					
01.0	2300 - 0000	0	12 1/4	N	DRLG	CIRC	MPMP	RIG	7732	7732			CIRC BTM-UP. PT CSG TO 1400 PSI 10 MIN-HOLD.					
01.5	0000 - 0130	0	12 1/4	N	CT	CIRC	MPMP	RIG	7732	7732			HPJSM. DISPLACE WELL W/ 82 PCF BARITE-FREE INNOVERT OBM.					
01.2	0130 - 0245	0	12 1/4	N	DRLG	DC	TDS	RIG	7732	7732	7700	7732	C/OUT CMT, CSG SHOE, & RATHOLE. SMOOTHED CSG SHOE SEVERAL TIMES.					
01.0	0245 - 0345	0	12 1/4	N	CT	CIRC	MPMP	RIG	7732	7737			CHC, CONDITION MUD, FLOW CHECK-WELL STATIC, SLUG PIPE.					
01.2	0345 - 0500	0	12 1/4	N	CT	TO	STDP	RIG	7737	7737	7732	4470	POOH W/ 8-1/2" C/O ASSY ON 5" DP.					

THE WELL WILL BE DRILLED AS A SINGLE LATERAL OIL PRODUCER IN RBYN-60/69 PLATFORM, TARGETING KHAFJI RESERVOIR.

THE WELL IS TO BE COMPLETED WITH ICD'S, SWELL PACKERS/MPAS, AND ESP AND FLOWBACK OPERATION.

=====CURRENT LOCATION DATA=====

\*\* PLATFORM: RBYN-60/69. \*\* RIG HEADING: 330 DEG.

\*\* NO ANCHORING WITHIN 100M OF SUBSEA ASSETS.

\*\* WATER DEPTH: 100 FT \*\* AIR GAP: 41 FT

\*\* RKB TO MSL: 95 FT \*\* RKB TO MUD LINE (SEA BED): 195 FT

\*\* FINAL LEG PENETRATION AS FOLLOW:

- BOW LEG: 8 FT - PORT LEG: 7 FT. - STAR BOARD LEG: 7 FT.

=====BATCH DRILLING SEQUENCE:

RBYN-68 "COMPLETED"

RBYN-64 "COMPLETED"

RBYN-63 "COMPLETED"

RBYN-65 DRILL 8-1/2" & EOW (CURRENT WELL)

RBYN-66 DRILL 8-1/2" & EOW.

RBYN-67 DRILL 8-1/2" & EOW.

RBYN-60 EOW.

===== - ALI ALGHANEM ID # 8504794, MATERIAL EXPIDITOR - ARRIVED ON MP-4 ON FEB 14TH, 2023.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD		N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec		DLS	
MUD DATA	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)		PV	YP	Electrical Stability		3/6 RPM	Gels Sec/Min	PH	CA PPM	0	CL PPM	<b>251667</b>	
	<b>82</b> PCF	<b>69</b> SEC	<b>1.2</b> HTHP	API		<b>25</b>	<b>20</b>	<b>280</b> Volts		<b>8 / 10</b>	<b>10 / 14</b>	<b>0</b>	<b>0</b>		<b>Water Well #</b>		
	<b>0</b>	<b>1</b>	<b>0</b>	Water Vol. %		<b>21.5</b>	<b>54</b>	Solids Vol. %		Sand Vol. %	% LGS	MBT	Mud type				
	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)		PV	YP	Electrical Stability		3/6 RPM	Gels Sec/Min	PH	CA PPM	0	CL PPM		
MUD TREATMENT	<b>82</b> PCF	<b>70</b> SEC	<b>1.2</b> HTHP	API		<b>26</b>	<b>20</b>	<b>270</b> Volts		<b>8 / 10</b>	<b>10 / 15</b>	<b>0</b>	<b>0</b>		<b>251803</b>		
	<b>0</b>	<b>1</b>	<b>0</b>	Water Vol. %		<b>21.5</b>	<b>54</b>	Solids Vol. %		Sand Vol. %	% LGS	MBT	Mud type		Water Well #		

BIT DATA																					
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #							
Miscellaneous	BOP Test <b>02/25/2023</b>	BOP Drills <b>DAILY</b>	Wind <b>15-18 KNTS ENE</b>	Sea <b>4-5 FT</b>	Weather <b>VIS 3 NM TEMP 14 DEG</b>	DSLTA <b>3844</b>	Safety Meeting <b>TOURLY &amp; WEEKLY</b>														
Real-Time Data Quality																					
Personnel and Services Information	COMPANY	SBA	ITS	GOS	SCP	SPS	RIG	BAR	GDF	ARM	EX1	INW	MI2	ARM	Total <b>78</b>						
	CATEGORY	ALS	CSR	CTR G	PSSC	DPDS	RIG	DFMS	DFMS	OTHR	SLS	SLS	SCS	WSC							
	NO. OF PERSONS	1	3	12	1	4	48	1	1	1	3	1	1	1							
	OPERATING HRS.	0	0	0	0	0	24	12	12	12	0	0	0	24							
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24	24	24							
Trucks/Boats	Standby/Tankers <b>RAWABI-5</b>																				
BULK	Drill Wtr.-BBLS <b>1336</b>	Pot Wtr.- BBLS <b>1147</b>	Fuel- BBLS <b>1242</b>	Barite- SX <b>2776</b>	Bentonite - SX	Cement G- SX <b>1599</b>															
REPAIR ASAP	Instrumentation	Other													Reporter						
	Computer, Communication & V-Sat Issues																				

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>UTMN-2216 (DECOMPLETE MILL 845'OF 7"LINER, SIDE TRACK &amp; DRILL WELL IN TWO HOLE SIZE TARGETING KFCR)</b>	Rig <b>NA- 18S</b>	Foreman(s) <b>BURCH, ANDREW ROY/ ABDALSALEM, MOHAMMED ALI/ ALTURAIFI, MOHAMMED SAUD/ OTUDI, AHMED MOHAMMED/ MILLER, CLAYTON LOWELL</b>
Charge <b>(71- 23057- #: 2216)</b>	Wellbores: (0) UTMN_2216_0	Engineer Superintendent	<b>THURAYA +88 216 777 113 77</b>
			<b>RIG FORMAN VSAT 574-4325</b>

Depth <b>0</b>	Last 24 hr operations <b>DISPLACE COIL, RIH BAKER 2-7/8" MOTOR CO BHA ON CTU, CO 4-1/2" UP COMP TBG, CHC, POOH, RD CTU.</b>	Next 24 hr plan <b>CONT RD CTU, PT TCA &amp; TBG, BAKER WL PUNCH TBG, CIR WELL, RIH BAKER WL MPC CUTTER, CUT 4-1/2" 13.5# OLD COMP TBG, POOH &amp; RD WL.</b>	Location <b>170 KM FROM DH, 0.594 KM N52E OF UTMN-322 AND 0.999 KM S15W OF UTMN-1831.</b>	Days Since Spud/Comm (Date) <b>13.8 (02/13/2023@1100)</b>	Formation tops
Prev. Depth <b>0</b>	Liner Size <b>7</b>	TOL <b>9741</b>	MD <b>13098</b>	TVD <b>12480</b>	Last Csg Size <b>9 5/8</b>
				MD <b>10333</b>	TVD <b>10333</b>
				Footage <b>0</b>	Circ % <b>0</b>

Hrs <b>01.5</b>	(From - To) <b>0500 - 0630</b>	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations						
									Start	End	Start	End							
<b>01.5 0500 - 0630 0</b>			<b>N</b>	<b>DCOM</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>14800</b>	<b>14800</b>					<b>DISPLACE CTU FROM WATER TO 80PCF WBM.</b>					
<b>04.5 0630 - 1100 0</b>			<b>N</b>	<b>DCOM</b>	<b>OTH</b>	<b>NA</b>	<b>OZT</b>	<b>14800</b>	<b>14800</b>	<b>0</b>	<b>8800</b>			<b>OILSERV 2-3/8" CTU RIH BAKER 2-7/8" MOTOR CO BHA W/ 3.625" RR PDC TO 8,800'. &gt; COIL TBG RIH THRU WELLHEAD OR RESTRICTIONS AT NO MORE THAN 10 FPM, &amp; IN TBG NO MORE THAN 35-40 FPM. &gt; TCA = 0 PSI, 9-5/8" X 13-3/8" CCA = 0 PSI.</b>					
<b>01.5 1100 - 1230 0</b>			<b>N</b>	<b>DCOM</b>	<b>OTH</b>	<b>NA</b>	<b>OZT</b>	<b>14800</b>	<b>14800</b>					<b>OILSERV CTU REAM/WASH THRU CONTAMINATED SPACER FR/8,800' TO 10,750' W/ BAKER 2-7/8" MOTOR CO BHA, PUMPING 3.0 BPM @ 5200 PSI, &amp; RETURNING THRU TCA TO CHOKE/DEGASSER, NO GASES TO FLARE. &gt; EVERY 1000FT PERFORM PULL TEST W/ COIL. &gt; TCA = 0PSI, 9-5/8" X 13-3/8" CCA = 0 PSI.</b>					
<b>02.5 1230 - 1500 0</b>			<b>N</b>	<b>DCOM</b>	<b>OTH</b>	<b>NA</b>	<b>OZT</b>	<b>14800</b>	<b>14800</b>					<b>OILSERVE CTU WIPER TRIP FROM 10,800 TO 8,500' &amp; BACK TO 10,800' WHILE PUMPING AT 3.0BPM W/5200PSI. FLOW CHECK - WELL STATIC.</b>					
<b>03.0 1500 - 1800 0</b>			<b>N</b>	<b>DCOM</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>14800</b>	<b>14800</b>					<b>OILSERVE CTU CIRC &amp; COND 80 PCF WBM AT 3.0 BPM @5200PSI, RECIPROcate COIL WHILE PUMPING. THEN PUMP TANDEM 50BBL HI-VIS SWEEP &amp; CIRC OUT(NOTHING ON SHAKERS). &gt; FIRE PUMP DRILL, GOOD RESPONSE FROM ALL PERSONNEL. &gt; TCA = 0 PSI, 9-5/8" X 13-3/8" CCA = 0 PSI.</b>					
<b>00.5 1800 - 1830 0</b>			<b>N</b>	<b>DCOM</b>	<b>WCNT</b>	<b>NA</b>	<b>RIG</b>	<b>14800</b>	<b>14800</b>					<b>FLOW CHECK - WELL STATIC.</b>					
<b>05.5 1830 - 0000 0</b>			<b>N</b>	<b>DCOM</b>	<b>OTH</b>	<b>NA</b>	<b>OZT</b>	<b>14800</b>	<b>14800</b>					<b>OILSERV CTU POOH BAKER 2-7/8" MOTOR CO BHA WHILE PUMPING 0.5BPM. &gt; FLOW CHECKS - WELL STATIC. &gt; TCA = 0 PSI, 9-5/8" X 13-3/8" CCA = 0 PSI.</b>					
<b>01.8 0000 - 0145 0</b>			<b>N</b>	<b>DCOM</b>	<b>OTH</b>	<b>NA</b>	<b>OZT</b>	<b>14800</b>	<b>14800</b>					<b>DISPLACE CTU &amp; SURFACE LINE FROM 80PCF WBM TO WATER.</b>					
<b>03.2 0145 - 0500 0</b>			<b>N</b>	<b>DCOM</b>	<b>OTH</b>	<b>NA</b>	<b>OZT</b>	<b>14800</b>	<b>14800</b>					<b>HPJSM: OILSERV CTU LAYOUT BAKER 2-7/8" MOTOR CO BHA &amp; R/D ALL RELATED EQUIPMENT....ON GOING AT RT.</b>					

=====ARAMCO PERSONNEL=====

> FIELD COMPLIANCE TECHNICIAN RAKAN AL KHADRAN #791544 ON LOCATION FEB.20/2023.  
 > MATERIAL EXPEDITER ALI ALGHAMDI #814796 ON LOCATION FEB.21/2023.  
 > MATERIAL EXPEDITER WALEED ALDOSSARY #8524022 ON LOCATION FEB.23/2023.  
 > COUGAR 6-1/2" HYD.DJDA JAR SN#DJ10-650155 ON LOCATION FEB.18/2023 @ 14:00.

=====ODF CORRECTION=====

> ODF FOR NA-18S = 38.4 FT  
 > ODF CORRECTION: 0 FT.

=====ERP-STAGING AREA=====

> ERP POSTED IN ARAMCO FOREMAN OFFICE; EMERGENCY CONTACT NUMBERS VERIFIED.  
 > SA1: 2.2 KM TO THE NE - COORDINATES: N: 2,768,519.032 M, E: 324,898.208 M,  
 > SA2: 2.0 KM TO THE SW - COORDINATES: N: 2,765,391.744 M, E 322,113.344.  
 > RELIEF WELL: HRDH-2214, N: 2,768,598.1 M, E: 324,232.11 M.  
 > RER DISTANCE: 1/2 LFL= 97M, 100PPM= 614M, 30PPM= 1,716M

=====QHSE=====

> DRILLS: 1 X FIRE PUMP DRILL.  
 > OBSERVATIONS: 4 SWA, 3 HAZARD HUNT.  
 > NEAR MISS: NONE  
 > IMPLEMENTING CLOSED LOOP DRILLING PRACTICE & NOT USING WATER PIT.

=====3RD PARTY EQUIPMENT=====

> BAKER WIRELINE UNIT ARRIVE ON LOCATION 16:00 FEB.12/2023  
 > FRANKS EQUIPMENT ARRIVED ON LOCATION 19:00 FEB.16/2023  
 > RAWABI ARCHER MILLING EQUIPMENT ARRIVED ON LOCATION 20:00 FEB.17/2023  
 > NESR CMT UNIT & BATCH MIXER ARRIVE ON LOCATION FEB.21/2023  
 > NESR SLICKLINE UNIT ARRIVE ON LOCATION FEB.22/2023  
 > OILSERV CT EQUIPMENT ARRIVE ON LOCATION 06:30 FEB.25/2023  
 > BAKER MILLING TOOLS ARRIVE ON LOCATION FEB.25/2023

=====3RD PARTY PERSONNEL=====

> EMEC MUD ENGINEER ON LOCATION JAN.26/2023  
 > BAKER WIRELINE CREW ARRIVE ON LOCATION 16:00 FEB.12/2023  
 > APC ENGINEER ARRIVE ON LOCATION 16:00 FEB.12/2023  
 > FRANKS CREW ARRIVED ON LOCATION 19:00 FEB.16/2023  
 > RAWABI ARCHER MILLING CREW ARRIVED ON LOCATION 19:00 FEB.18/2023  
 > NESR CMT CREW ON LOCATION FEB.21/2023  
 > NESR SLICKLINE CREW ARRIVE ON LOCATION FEB.22/2023  
 > BAKER TST ENGINEER ARRIVE ON LOCATION 22:00 FEB.24/2023  
 > OILSERV CT CREW ARRIVE ON LOCATION 02:00 FEB.25/2023

=====WELLHEAD DATA=====

> CCA 9-5/8" X 13-3/8" = 0 PSI, CCA 13-3/8" X 18-5/8" = 0 PSI

## =====GDWD COST OPTIMIZATION=====

&gt; RECEIVED 400 BBLS 100 PCF MILLING FLUID FROM NA-393

## =====TRUCKING=====

## =====MISCELLANEOUS &amp; NEXT WELL =====

&gt; WATER WELL : UTMN-902

1ST NEXT WELL: UTMN-1909, PRE-WORKOVER MEETING 10:00 AM. LOCATION 0%. STRIPPING REQUIRED.

2ND NEXT WELL: UTMN-2021, NDE TUBING REPLACEMENT. LOCATION 0%. STRIPPING REQUIRED.

3RD NEXT WELL : UTMN-1942, LOCATION 0%. STRIPPING REQUIRED.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD		N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec		DLS													
MUD DATA	Weight <b>80</b>	PCF	Funnel Vis. <b>61</b>	SEC	Filtrate(WL) <b>0</b>	HTHP	Filtrate (WL) API	PV <b>25</b>	YP <b>25</b>	Electrical Stability <b>0</b>	Volts	3/6 RPM <b>11 / 13</b>	Gels Sec/Min <b>11 / 14</b>	PH <b>9.5</b>	CA PPM <b>160</b>	CL PPM <b>800</b>													
	FL Temp <b>0</b>		Cake HTHP <b>0</b>		Cake API <b>0</b>		Water Vol. % <b>90</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>10</b>	Sand Vol. % <b>0</b>	% LGS <b>2.3</b>	MBT <b>7.5</b>	Mud type <b>WBM</b>	Water Well # <b>UTMN-902</b>															
	Weight <b>80</b>	PCF	Funnel Vis. <b>64</b>	SEC	Filtrate(WL) <b>0</b>	HTHP	Filtrate (WL) API	PV <b>26</b>	YP <b>26</b>	Electrical Stability <b>0</b>	Volts	3/6 RPM <b>12 / 15</b>	Gels Sec/Min <b>12 / 15</b>	PH <b>9.5</b>	CA PPM <b>160</b>	CL PPM <b>800</b>													
	FL Temp <b>0</b>		Cake HTHP <b>0</b>		Cake API <b>0</b>		Water Vol. % <b>90</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>10</b>	Sand Vol. % <b>0</b>	% LGS <b>2.3</b>	MBT <b>7.5</b>	Mud type <b>WBM</b>	Water Well # <b>UTMN-902</b>															
MUD TREATMENT	<b>CAUST</b>   <b>UTG-XG</b> <b>SODASH</b> <b>CITRICACID</b> 2(50LBP) 8(55LB) 6(100LB) 5(100LB)																												
BIT DATA																													
DRILL STRING	Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #																												
Miscellaneous	BOP Test <b>02/17/2023</b>	BOP Drills		Wind	Sea	Weather	DSLTA		Safety Meeting <b>2X PRE TOUR SAFETY MEETING</b>																				
	Real-Time Data Quality		Sensors Quality		100%	Data Frequency		100%	Real-Time Hrs		11.49/24 hrs																		
Personnel and Services Information	COMPANY		RZT	BTT	OZT	RIG	EMC	MJH	RAC	CTC	RIG	ARM	NCS	FMC	ARM	AOS	BAW	NWL											
	CATEGORY		CTR G	COIL	COIL	RIG	DFMS	SEC	WMFE	JST	OTHR	OTHR	PCS	PRS	WSC	WLS	WLS	WLS											
	NO. OF PERSONS		13	1	8	35	1	6	1	1	12	3	7	4	3	1	5	3											
	OPERATING HRS.		0	24	24	24	0	0	0	12	12	0	0	0	24	0	0	0											
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	Total <b>104</b>											
Trucks/Boats	Standby/Tankers		ARAMCO TRUCK RY5455																										
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS		589	Barite- SX		Bentonite - SX		Cement G- SX		1500																	
REPAIR ASAP	Instrumentation		Other		Computer, Communication & V-Sat Issues													Reporter											

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>UTMN-3196 (DECOMPLETE, SIDETRACK &amp; DRILL RE-ENTRY 1HOLE AS KHFC PRE-SET &amp; COMPLET WELL W/4- 1/2" CEMENTED LINER)</b>	Rig <b>NA- 128S</b>	Foreman(s) <b>MERAGHNI, MOURAD/ BAMADHAN, RAAED SAMI/ ALARFAJ, MOHAMMED KHALED/ SHAID, BASSAM IEJAZ/ SAEGH, ABDULLAH SULIMAN</b>
Engineer	THURAYA	RIG FORMAN VSAT <b>008821677711116 6791840</b>	OTHER VSAT <b>8807846 8807847</b>
Superintendent		FAX VSAT	CONTRACTOR/CLERK VSAT <b>6791842</b>

Charge **(71- 22057-**

**#:  
3196)**

Wellbores: **(0- UTMN\_3196\_1  
1)**

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>16412</b>	<b>DRILL 5-7/8" HOLE SECTION TO 16412' MD, 13,355' TVD (KC07) TD AS PER GOC. CHC. PERFORM SHORT TRIP TO TOW. CHC.</b>	<b>POOH SPS RSS &amp; MWD/GR BHA TO SURFACE. L/D SPS RSS &amp; MWD/GR BHA. R/U &amp; M/U AIT/PPC/GPIT/MSIP/GR LOGGING TOOLS. RIH LOGGING BHA ON TLC.</b>	<b>161KM FROM DMG</b>	<b>24.8</b> (02/02/2023@0800)	<b>SDDM 12412 (12,370 TVD) 84' DEEPER BSRD 12421 (12,378 TVD) 57' DEEPER KHFF 12756 (12,653 TVD) 31' DEEPER KFAC 12812 (12,694 TVD) 25' DEEPER KFBC 12974 (12,806 TVD) 57' DEEPER KHFC 15233 (15,252 TVD) 11' SHALLOWER</b>
<b>Prev. Depth</b>	<b>Liner Size</b>	<b>TOL</b>	<b>MD</b>	<b>TVB</b>	<b>Last Csg Size</b>
<b>16350</b>	<b>7</b>	<b>10510</b>	<b>12946</b>	<b>12809</b>	<b>9 5/8 1084810848</b>
					Footage
					<b>62</b>
					Circ %
					<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
<b>06.0</b>	<b>0500 - 1100</b>	<b>0-1</b>	<b>5 7/8</b>	<b>N</b>	<b>DRLG</b>	<b>D</b>	<b>RSS</b>	<b>SPS</b>	<b>16350</b>	<b>16412</b>			<b>DIRECTIONAL DRILL 5-7/8" HOLE SECTION WITH SPS RSS &amp; MWD/GR BHA W/ 100 PCF INNOVERT OBM &amp; 100% CIRCULATION.CONFIRMED TD BY GOC. &gt; PUMP 15 BBLS HI-WT PILL AS REQUIRED. &gt; TREAT ACTIVE SYSTEM WITH BRIDGING MATERIALS HOURLY. &gt; ALLOW BIT TO DRILL OFF &amp; TAKE SURVEY 30 FT OFF BTM. &gt; FLOW CHECK DURING CONNECTION. &gt; FOLLOW UP INTEGRATED ARAMCO BEST PRACTICE FOR CONNECTION.</b>			
<b>04.8</b>	<b>1100 - 1545</b>	<b>0-1</b>	<b>5 7/8</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>16412</b>	<b>16412</b>			<b>SWEEP HOLE WITH 30 BBLS WEIGHTED PILL &amp; CIRCULATE HOLE 3 TIMES BOTTOM UP. &gt; PUMP 40 BBL SEALING PILL.</b>			
<b>00.5</b>	<b>1545 - 1615</b>	<b>0-1</b>	<b>5 7/8</b>	<b>N</b>	<b>DRLG</b>	<b>WCNT</b>	<b>NA</b>	<b>RIG</b>	<b>16412</b>	<b>16412</b>			<b>FLOW CHECK-WELL STATIC-</b>			
<b>01.0</b>	<b>1615 - 1715</b>	<b>0-1</b>	<b>5 7/8</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>16412</b>	<b>16412</b>			<b>SPOT 100 BBL SEALING PILL AT OPEN HOLE.</b>			
<b>03.8</b>	<b>1715 - 2100</b>	<b>0-1</b>	<b>5 7/8</b>	<b>N</b>	<b>DRLG</b>	<b>TO</b>	<b>STDP</b>	<b>RIG</b>	<b>16412</b>	<b>16412</b>	<b>16412</b>	<b>12408</b>	<b>POOH W/5-7/8" SPS RSS &amp; MWD/GR BHA TO TOP WINDOW ON ELEVATOR.</b>			
<b>03.2</b>	<b>2100 - 0015</b>	<b>0-1</b>	<b>5 7/8</b>	<b>E</b>	<b>DRLG</b>	<b>TI</b>	<b>STDP</b>	<b>RIG</b>	<b>16412</b>	<b>16412</b>	<b>12408</b>	<b>16412</b>	<b>RUN BACK TO BOTTOM.</b>			
<b>04.8</b>	<b>0015 - 0500</b>	<b>0-1</b>	<b>5 7/8</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>16412</b>	<b>16412</b>			<b>SWEEP HOLE WITH 30 BBLS WEIGHTED PILL &amp; CIRCULATE HOLE 3 TIMES BOTTOM UP .... ON GOING @ MRT. &gt; PUMP 40 BBL SEALING PILL. &gt; SPOT 100 BBL LOGGING PILL</b>			

#### UTMN-3196 OBJECTIVE:

TO DE COMPLETE, SIDETRACK & DRILL RE-ENTRY (1 HOLE-SIZE) AS A KHFC PRE-SET AND COMPLETE THE WELL WITH 4-1/2 INCH CEMENTED LINER ON HLB XTREMEGRIP LINER HANGER AND THT PRODUCTION PACKER ON 4-1/2 INCH CS TUBING.

#### ===== PERSONNEL =====

> ARAMCO MATERIAL EXPEDITOR ABDULRAHMAN ALARIFI #8513065 ON LOCATION SINCE 2/13/2023.  
 > ARAMCO FCT ABDULAZIZ AL-HARBI #791484. ON LOCATION SINCE 02/20/2023.

#### ===== HSE =====

> NEAR MISS: 0.

> DRILLS: EMERGENCY DRILLS - (4)

#### > HSE TOPICS:

PROCEDURE OF THE WEEK: SND-OPS-065 NIPPLING UP AND NIPPLING DOWN BOPS

RHSEI FOCUS OF THE WEEK: DERRICK ESCAPE DEVICE & CHOKE MANIFOLD AND FLARE SYSTEM

LESSON LEARNT OF THE WEEK (OPERATIONS ALERT): EDD HSE ALERT 03-23 - FALL FROM HEIGHT

> IMPLEMENTING CLOSED LOOP DRILLING PRACTICE.

#### ===== AUDIT FINDINGS =====

> 1ST CEHA: TOTAL NCR'S: 23, CLOSE: 23, OPEN 0.  
 > 2ND RHSEI: TOTAL NCR'S: 29, CLOSED: 29, OPEN:0.  
 > 1ST WCEI: TOTAL NCR'S: 7, CLOSED: 7, OPEN: 0.

> Q1 3MCI: TOTAL NCR'S: 23, CLOSED: 23, OPEN: 0.  
 > Q2 3MCI: TOTAL NCR'S: 28, CLOSED: 28, OPEN: 0.  
 > Q3 3MCI TOTAL NCRS 42, CLOSED 42, OPEN 0.

>> DIRECTIONAL PLAN (L-0-1 PLAN #4/ PROJECTION TO THE BIT:16,412', INC= 85.70, AZM= 269.50 TVD: 13,351' (1' LEFT TO PLAN).  
 >> SENSORS DISTANCE FROM BIT: GR=43.85', PCDC=53.34', ABG=14', ABI= 6.55'.  
 >> LAST SAMPLE @ 16,412': 10% DOLOMITE & 90% DOLOMitic LIMESTONE.

===== RENTAL TOOLS =====

> START RIG UP MISWACO CUTTINGS TANK (4 M X 6M) ON 1/28/2023 @ 08:00 HRS.  
 > START RIG UP MI-SWACO CUTTING DRYER EQUIPMENT ON 1/28/2023 @ 08:00 HRS.  
 > START RIG UP VERTI-G ON 1/28/2023.  
 > NOV JAR SN#38047971 ON LOCATION 2/19/23.

===== WELLSITE SERVICES=====

===== RIG MOVE=====

> HPJSM WITH RIG CREW & RIG MOVE CREW.  
 > RIG MOVE DISTANCE 270 KM (SKID ROAD 13 KLM).  
 > ALL EQUIPMENT CERTIFICATES, OPERATORS CERTIFICATES & DRIVING LICENSES ARE VALID.  
 > HEIGHT LIMITATION 5 METERS INSTALLED AT THE GATE WITH WATCHING MAN.  
 > ARAMCO LOADS TODAY: 0, TOTAL:16.  
 > SANAD LOADS TODAY: 0, TOTAL SANAD LOADS: 245.  
 > TOTAL LOADS: 261.

===== NEXT WELL =====

>> 1ST NEXT WELL UTMN-2036: NDE TUBING REPLACEMENT. PRE WO MEETING HELD 01/09/2023. LOCATION 0% READY.  
 >> 2ND NEXT WELL UTMN-2005: 2 HOLE SIZES PRESET KHFF-B. PRE WO MEETING HELD 01/09/2023. LOCATION 0% READY.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
0-1	16350	85.69	269.51	74	13350.68	-958.50	-3789.94	3951.87	0.03
0-1	16276	85.68	269.53	93	13345.11	-957.88	-3716.15	3881.79	0.81

MUD DATA	Weight 100 PCF	Funnel Vis. 74 SEC	Filtrate(WL) 1.6 HTHP	Filtrate (WL) API	PV 38	YP 13	Electrical Stability 644 Volts	3/6 RPM 6 / 7	Gels Sec/Min 9 / 17	PH 0	CA PPM 0	CL PPM 17500
	FL Temp 112	Cake HTHP 1	Cake API 0	Water Vol. % 12	Oil Vol. % 61	Solids Vol. % 27	Sand Vol. % 0	% LGS 6.2	MBT 0	Mud type INOVRT	Water Well # UTMN-3526	
	Weight 100 PCF	Funnel Vis. 73 SEC	Filtrate(WL) 1.6 HTHP	Filtrate (WL) API	PV 38	YP 12	Electrical Stability 623 Volts	3/6 RPM 6 / 7	Gels Sec/Min 9 / 17	PH 0	CA PPM 0	CL PPM 17500
	FL Temp 120	Cake HTHP 1	Cake API 0	Water Vol. % 12	Oil Vol. % 61	Solids Vol. % 27	Sand Vol. % 0	% LGS 6	MBT 0	Mud type INOVRT	Water Well # UTMN-3526	

MUD TREATMENT	CAOH2	BDF 513	STELSEALFN	CACO3-25	LESUPERMUL	MRBL-M	CACO3-50	TAU MOD	CACO3-5	STELSL50
	12(55LB)	10(25KG)	30(25KG)	25(55LB)	1(55GL)	1(2200L)	50(55LB)	2(50LB)	25(55LB)	18(55LB)

BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out					
	12RR	M442	5.875	SEC	13807922	GT73DH / 2 X 11 / 2 X 13 / 0.445	16115	16412								
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
			18	130					3030	230	166	1321.56			44	

DRILL STRING	Float Y															
	BHA Hrs: 25.3															
	String Wt. 308	Pick Up 322	Slack Off 290	Rot. Torque			Jars: Serial #/Hrs			/ 101	Shock Sub:	/ Mud Motor:				
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit			SEC	5.875	1	5.875	0.6	3.5" REG	3.5" REG					13807922
	2	RSS			SPS	4.75	1	4.75	3.6	36.42	3.5IF	3.5 REG	55			4051
	3	Measurement While Drilling (MWD)			SPS	4.75	4	4.75	2.6	44.69	3.5 IF	3.5 IF	180			3335429
	4	PWD (Pressure while Drilling)			SPS	4.75	1	4.75	1.25	8.94	3.5 IF	3.5 IF	47.9			90717421
	5	Screen sub			SPS	4.75	2	4.75	2.5	12.78	3.5 IF	3.5 IF	88			13459709
	6	Float Sub			SPS	4.75	1	4.75	2	3	3.5 IF	3.5 IF	49			13784287
	7	Heavy Weight Drillpipe (HWDP)			RIG	4	3	4	2.5	91	XT39	XT39	75			
	8	Hydraulic Jar			NOJ	4.75	1	4.75	2.2	35	XT39	XT39	46			38047971
	9	Heavy Weight Drillpipe (HWDP)			RIG	4	9	4	2.5	270	XT39	XT39	387			
	10	Drillpipe			RIG	4	198	4	3	6237	XT39	XT39	18			
	11	Drillpipe			RIG	5.5	314	5.5	4.6	9900	XT54	XT54	26			

Miscellaneous	BOP Test 02/19/2023	BOP Drills	Wind WINDY	Sea ONSHORE	Weather SEASONAL	DSLTA	Safety Meeting
	Real-Time Data Quality	Sensors Quality	99%	Data Frequency	100%	Real-Time Hrs	10.74/24 hrs

Personnel and Services Information	COMPANY	GOS	NDD	SPS	RIG	BAR	EMC	MJH	SWL	SPS	HMS	RO1	RIG	ARM	MI3	ARM	Total 99
	CATEGORY	CTRG	DPDS	DPDS	RIG	DFMS	DFMS	SEC	WLS	LWD	MLS	MLS	OTHR	OTHR	WMS	WSC	
	NO. OF PERSONS	16	2	2	44	1	1	6	4	2	4	4	4	2	5	2	
	OPERATING HRS.	0	12	12	12	12	12	12	0	12	12	12	12	12	12	12	

	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24	24	24
Trucks/Boats	Standby/Tankers <b>AB-5118</b>	<b>CREW BUS</b>	<b>RIG AMBULANCE</b>											
BULK	Drill Wtr.-BBLS <b>0</b>	Pot Wtr.- BBLS <b>0</b>	Fuel- BBLS <b>275</b>	Barite- SX <b>154</b>	Bentonite - SX <b>16</b>	Cement G- SX <b>800</b>								
REPAIR ASAP	Instrumentation Computer, Communication & V-Sat Issues	Other												Reporter

**V-SAT VERY SLOW AND PRINTER IS NOT WORKING PROPERLY.**

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Date <b>MONDAY 02/27/2023</b>	Well No (Type): <b>SHYB-575 (REPLACE FAULTY SMART COMPLETION)</b> Charge #: <b>(72- 22072- 0575)</b> Wellbores: (1) SHYB_575_1	Rig <b>NA-207S</b>	Foreman(s) <b>AFZAL, MUHAMMAD/ JOSHY, AINIKKAL LONAPPEN/ ALKHAYWANI, NADER HUSSAIN/ AKBAR, HUSSAIN QASSIM</b>
		THURAYA <b>008821677711339</b>	RIG FORMAN VSAT <b>5741722</b> CONTRACTOR/CLERK VSAT <b>5741723</b>

Depth	Last 24 hr operations				Next 24 hr plan				Location		Days Since Spud/Comm (Date)	Formation tops		
Prev. Depth					TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %		
	14978	CONT RIH, WORK ON UPPER CONT. POH & L/D OLD COMPLETION. RIH SHYB-575 (825 KM PKR, POOH, L/D ITCO SPEAR MILL, MILL LOWER PKR TILL FREE & FISHING BHA, RETREIVE FISH & L/D OLD COMPLETION.				3603	7118	4986	9 5/8	48244575	0	12.0 (02/15/2023@0500)		
Summary of Operations														
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth Start	Event depth Start	End			
01.0	0500 - 0600	1		N	FISH	TI	SPDP	RIG	15000	15000	3000	3623	CONTINUE RIH WITH 2-5/16" SPEAR ASSY ON 4" DP TO 3623' SINGLE BY SINGLE FROM PIPE RACK. - MONITOR WELL VIA TRIP TANK, STATIC LOSSES 6 BPH	
00.5	0600 - 0630	1		N	FISH	OTH	NA	RIG	15000	15000			CHANGE OUT HANDLING EQUIPMENTS FROM 4" DP TO 5" DP	
00.8	0630 - 0715	1		N	FISH	TI	SPDP	RIG	15000	15000	3623	4229	CONTINUE RIH WITH 2-5/16" SPEAR ASSY ON 5" DP TO 4229' (TOP OF FISH) SINGLE BY SINGLE FROM PIPE RACK . - MONITOR WELL VIA TRIP TANK, STATIC LOSSES 6 BPH	
00.5	0715 - 0745	1		N	FISH	FISH	FISHT	WFS	15000	15000			BREAK CIRCULATION AND RECORD PARAMETERS: - P/UP WEIGHT 100 KLBS, S/O WEIGHT 95 KLBS, PUMPING RATE 3 BPM AT 2300 PSI. - WITHOUT PUMP, P/U 100 KLBS, S/O 97 KLBS.	
00.8	0745 - 0830	1		N	FISH	FISH	FISHT	WFS	15000	15000			STOPPED PUMP, ENGAGE UPPER PACKER FISH @ 4229.32' WITH 10K SLACK OFF WEIGHT, PICK UP STRING WITH 150K HOOK-LOAD (50K OVERPULL ABOVE STRING WEIGHT) AND FIRED JAR. KEEP PULLING STRING TO 180K HOOKLOAD (80K OVERPULL ABOVE STRING WEIGHT). KEEP JARRING WITH ABOVE PARAMETERS TO RELEASE UPPER PACKER. AFTER 5-TIME WORKING WITH JAR, UPPER PACKER RELEASED AND WEIGHT DROPPED FROM 180K TO 125K (25K ABOVE STRING WEIGHT WHICH IS 3 1/2" 9.3# TBG WEIGHT BELOW PACKER)	
03.0	0830 - 1130	1		N	DCOM	KILL	MPMP	RIG	15000	15000			BULLHEAD TCA AS PER DCCP WITH 50 BBLS OF 72 PCF HI-VIS NACL BRINE FOLLOWED BY 650 BBLS OF 72 PCF VISCOS BRINE. FINAL PUMPING PRESSURE = 1500 PSI @ 5 BPM. STOPPED PUMP, PRESSURE DROPPED F/1500 PSI TO ZERO PSI IN 10 MINS INTO FORMATION,	
00.5	1130 - 1200	1		N	DCOM	OTH	NA	RIG	15000	15000			FLOW CHECK FOR 30MINS, STATIC LOSSES 6 BBLS/HR	
01.0	1200 - 1300	1		N	FISH	HT	FISHT	RIG	15000	15000			HOLD PRE JOB-SAFETY MEETING, POOH WITH 2-5/16" WFD SPEAR BHA ON 5" DP TO 3626' WITH CONTROLLED SPEED 10MINS/STD DUE TO HIGH DRAG. - OBSERVED DRAG 15-20K WHILE POOH IN 7" LINER. - MONITOR WELL VIA TRIP TANK, STATIC LOSSES 6 BPH	
00.5	1300 - 1330	1		N	FISH	OTH	NA	RIG	15000	15000			CHANGE OUT HANDLING EQUIPMENTS FROM 5" DP TO 4" DP	
01.2	1330 - 1445	1		N	FISH	HT	FISHT	RIG	15000	15000			POOH WITH 2-5/16" WFD SPEAR BHA ON 4" DP TO 3600 INSIDE 7" TOL'. CONTINUE POOH INSIDE 9 5/8" CASING TO 2100' (HALF WAY) - OBSERVED NO DRAG WHILE POOH INSIDE 9 5/8" CASING. - MONITOR WELL VIA TRIP TANK, STATIC LOSSES 6 BPH	
00.5	1445 - 1515	1		N	DCOM	OTH	NA	RIG	15000	15000			FLOW CHECK FOR 30MINS, STATIC LOSSES 6 BBLS/HR	
01.0	1515 - 1615	1		N	FISH	HT	FISHT	RIG	15000	15000			POOH WITH 2-5/16" WFD SPEAR BHA ON 5" DP TO 150'. - MONITOR WELL VIA TRIP TANK, STATIC LOSSES 6 BPH	
00.8	1615 - 1700	1		N	DCOM	KILL	MPMP	RIG	15000	15000			BULLHEAD WELL AS PER DCCP WITH 50 BBLS OF 72 PCF HI-VIS NACL BRINE FOLLOWED BY 100 BBLS OF 72 PCF VISCOS BRINE. FINAL PUMPING PRESSURE = 1050 PSI @ 6 BPM. STOPPED PUMP, PRESSURE DROPPED F/1050 PSI TO ZERO PSI IN 7 MINS INTO FORMATION,	
00.5	1700 - 1730	1		N	FISH	HT	FISHT	RIG	15000	15000			FLOW CHECK FOR 30MINS, STATIC LOSSES 6 BBLS/HR	
01.5	1730 - 1900	1		N	FISH	HT	FISHT	RIG	15000	15000			HOLD PRE JOB-SAFETY MEETING, CONTINUE POOH WITH 2-5/16" WFD SPEAR BHA TO SURFACE'. LAY DOWN 2-5/16" SPEAR DRESS WITH 2.74 GRAPPLE + 4-3/4" BUMPER SUB + 4-3/4" FISHING JAR + 6 X 4-3/4" DC + 4-3/4" INTENSIFIER + BIT SUB WITH FLOAT VALVE. - MONITOR WELL VIA TRIP TANK, STATIC LOSSES 6 BPH	
00.5	1900 - 1930	1		N	DCOM	HT	TBG	RIG	15000	15000			CHANGE HANDLING EQUIPMENT FROM 5" DP TO 3 1/2" TBG. RIG UP NABORS 3 1/2" TBG POWER TONGS & ELEVATOR,	
09.5	1930 - 0500	1		N	DCOM	HT	TBG	RIG	15000	15000			HOLD PRE JOB-SAFETY MEETING, LAY DOWN THE RECOVERED FISH (LOWER PART OF UPPER PKR, 4' PUP JT, WELL DYNAMIC ICV IN OPEN POSITION, 4' PUP JT, 83 JTS 3 1/2" 9.3# EUE TBG. PART OF LOWER PACKER BELOW SPLICE SUB. ....ON GOING REPORT TIME. - 3 1/2" CLAMPS RECOVERED = 83 (CLAMPS ARE CORRODED SO TAKES EXTRA TIME TO OPEN CLAMPS), RE-SPOL CONTROL LINES. - FOLLOW NORM PROCEDURE DURING L/D RECOVERED FISH. - MONITOR WELL VIA TRIP TANK, STATIC LOSSES 6 BPH	

OPEN 9 5/8" \* 13 3/8" CCA AND 18 5/8" \* 13 3/8" CCA @ 05:00 HRS. CLOSE THEM @ 17:00 HRS.  
 > 9 5/8" \* 13 3/8" CCA: 0 PSI, (0 PPM H2S, 0 % LEL, 0 PPM CO).  
 > 18 5/8" \* 13 3/8" CCA: 0 PSI, (0 PPM H2S, 0 % LEL, 0 PPM CO).

- ODF - 9 5/8 CF = 28'
- NA-207 RIG FLOOR - 9 5/8 CF = 28'
- ODF CORRECTION = 0'
- WING VALVE ORIENTATION: WEST & HEIGHT: 6.45

#### ----- WELL DATA -----

7" TOL @ 3,603', 7" LINER SHOE @ 7,118'. 6 1/8" OPEN HOLE @ 7,118' TO TD @ 15,000'.  
 L-1: 6 1/8" HORIZONTAL LATERAL TOW @ 6,794', BOW @ 6,805'. OPEN HOLE TO TD @ 15,000'.

#### ----- WELL SEQUENCE -----

- 1) SHYB-343, SABKHA #85 (RE-ENTRY). KOM HELD ON 24-JULY-2022, STRIP OUT 100%, WELL SITE LOCATION PREPARATION = 100 %.
- 2) SHYB-222, SABKHA #77 (RE-ENTRY). KOM WILL BE HELD IN FEBRUARY 2023.
- 3) SHYB-348, SABKHA #85 (RE-ENTRY). KOM HELD ON 19-JAN-2023 WITH WELLSITE, FIELD SERVICES, RIG FOREMAN AND RIG MANAGER.

#### ----- ERP EQUIPMENT & CONTINGENCY PLAN -----

- AL MANSOORI INSTALLED 5 STATIONS H2S/LEL ON 06-FEB-2023.
- STAGING AREA #1 LOCATED 800 M NORTH OF RIG ON THE ENTRANCE ROAD OF SABKHA-15.
- STAGING AREA #2 LOCATED 800 M SOUTH OF RIG ON THE ENTRANCE ROAD OF SABKHA-15.
- FIRE FLY UNIT RIGGED DOWN ON 03-FEB-2023 @ 12:00HRS. RIGGED UP ON 14-FEB-2023 @ 15:00HRS

#### ----- SAFETY DRILLS AND SAFETY OBSERVATIONS -----

- OBSERVATIONS SUBMITTED: 15.

#### ----- PERSONNEL ON RIG -----

- FAISAL AL ZAHRANI MATERIALS EXPEDITER #8549839 ON LOCATION 20-FEB-2023.
- ADEEL FAZAL ARAMCO CLERK #8564787 ON LOCATION 29-JAN-2023.
- SCOMI MUD ENGINEER ON LOCATION ON 31-MAY-2022 AT 09:00 HRS.
- AL MANSOORI H2S OPERATOR ON LOCATION ON 23-MAY-2022 AT 17:00 HRS.

#### ----- RENTAL EQUIPMENT -----

- HLB DE-COMPLETION CREW AND EQUIP ARRIVED LOCATION ON 14-FEB 2023 @ 17:00HRS.
- GDM COIL TUBING SERVICES CREW AND EQUIP ARRIVED LOCATION ON 15-FEB 2023 @ 15:00HRS.
- WEATHERFORD THROUGH TUBING SERVICES ARRIVED LOCATION ON 15-FEB, 2023 @ 12:00 HRS
- SLB PUMPING & CEMNTING SERVICES CREW ARRIVED LOCATION ON 15-FEB 2023 @ 15:00 HRS
- BAKER HUGHES WIRE-LINE SERVICES CREW ARRIVED LOCATION ON 15-FEB 2023 @ 15:00 HRS
- WFD FISHING ENGINEER & TOOLS ARRIVED LOCATION 20-FEB 2023 @ 9:00 HRS
- NPS 4 3/4" FISHING JAR/BUMPER SUB/ACCELERATOR/DRILLING JAR ARRIVED LOCATION 20-FEB-2023 @ 14:00
- CORETRAX WBCO TOOLS 7 \* 9 5/8", 9 \* 7" MAGNETS, 7" & 9 5/8" CASING BRUSH, 5 1/2 VACS TOOL & ENGINEER ARRIVED LOCATION ON 20-FEB 2023 @ 18:00 HRS

#### ----- INFORMATION FOR DISPATCHING GROUP -----

- WATER TRUCK # HB-1928 ON LOCATION SINCE 10-FEB-2023, AL HABBAS - (RAW WATER TRUCK).
- WATER TRUCK # HB-1927 ON LOCATION SINCE 10-FEB-2023, AL HABBAS - (RAW WATER TRUCK).

#### ----- WELLSITE EQUIPMENT ON LOCATION -----

- 1 \* BALHARITH VACUUM TANKER PLATE NUMBER 6182-SDA. REPORT LOCATION 16-DEC-2022.
- 1 \* BALHARITH VACUUM TANKER PLATE NUMBER 5638-NLA. REPORT LOCATION 16-DEC-2022.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS																									
<b>MUD DATA</b>																																		
MUD TREATMENT																																		
BIT DATA																																		
DRILL-STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #																				
Miscellaneous	BOP Test 02/18/2023	BOP Drills N/A	Wind NORMAL	Sea N/A	Weather	DSLTA	Safety Meeting <b>EACH TOUR</b>																											
Real-Time Data Quality										<b>No Transmission</b>																								
Personnel and Services Information	COMPANY	GD2	TGC	HCO	RIG	GDF	MJH	WFS	ASH	MH2	RIG	ARM	SCM	WTS	OTH	ARM	CRW	BAW	Total <b>110</b>															
	CATEGORY	COIL	CTRG	ICE	RIG	DFMS	SEC	WMFE	FLD	H2S	OTHR	OTHR	PCS	SLS	VAC	WSC	WBCS	WLS																
	NO. OF PERSONS	11	18	4	44	1	4	1	2	1	6	2	3	1	2	2	1	7																
	OPERATING HRS.	0	0	9	24	24	12	14	12	24	12	12	0	0	12	24	0	0																
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24																
	Trucks/Boats	Standby/Tankers <b>DH-7534 PICK-UP</b>	<b>1 * RIG NA-207S AMBULANCE</b>			<b>CAMP DIESEL: 81 BBLS</b>			<b>GASOLINE: 70.5 BBLS</b>			<b>DIESEL FOR MUD = 461 BBLS</b>																						
BULK	Drill Wtr.-BBLS <b>1200</b>	Pot Wtr.- BBLS <b>201</b>	Fuel- BBLS <b>415</b>	Barite- SX <b>60</b>	Bentonite - SX <b>20</b>	Cement G- SX <b>600</b>																												
REPAIR ASAP	Instrumentation	Other																	Reporter															
Computer, Communication & V-Sat Issues																																		

Date <b>MONDAY</b> 02/27/2023	Well No (Type) : <b>HWHY-910</b> (RE-ENTER, MILL 300' 4-1/2" LNR, SIDETRACK, DRILL 5- 7/8" HOLE TO 5' TVD IN KFBC AS PRE-SET WELL.)	Rig <b>NA-393S</b>	Foreman(s) <b>KHALIL, MAHDY ABDELNAEIM/ BURNEY, MUNEEB/</b> Engineer <b>KHALIFAH, AHMED FOUAD/</b> Superintendent <b>MILLER, CLAYTON LOWELL</b>
	Charge #: <b>(71- 22053-0910)</b> Wellbores: (0-3) HWHY_910_5	THURAYA <b>08821677711383</b> 576-5784	RIG FORMAN VSAT <b>880-5187</b> FAX VSAT CONTRACTOR/CLERK VSAT <b>CLERK 577-9614</b> CONTRACTOR/CLERK VSAT <b>NABORS 804-9605</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>10640</b>	<b>PERFORMED 2ND PORE PRESSURE TEST. DRILLING 5-7/8" DIRECTIONAL HOLE.</b>	<b>DRILL 5-7/8" DIRECTIONAL HOLE TO 11,442' MD/11,150' TVD (5' TVD IN KFBC) (REMAINING FOOTAGE 802 FT)</b>	<b>WELL IS LOCATED 4.85 KM SW HWYH GOSP#2, 7.25 KM NW HWYH GOSO#3 &amp; 189 KM FROM DAHRAN MAIN GATE.</b>	<b>30.8</b> (01/27/2023@0900)	<b>MDJR 9768 ON DEPTH SUDR 10456 10,490'MD (8' SHALLOWER)</b>
<b>10535</b>	Liner Size <b>7</b>	TOL <b>8544</b>	MD <b>10620</b>	TVD <b>10570</b>	Last Csg Size <b>9 5/8</b> MD <b>9550</b> TVD <b>9549</b> Footage <b>105</b> Circ % <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
02.8	0500 - 0745	0-3	5 7/8	N	DRLG	CIRC	MPMP	RIG	10535	10535			CIRC AND CONDITIONING MUD PRIOR TO PERFORM 2ND PPT WITH 132 PCF WBM (142 PCF EMW). > KEPT STRING IN ROTATION & RECIPROCACTION.
00.8	0745 - 0830	0-3	5 7/8	N	DRLG	OTH	NA	WUD	10535	10535			PERFORM MPD STATIC PORE PRESSURE TEST AS PER WF PROCEDURE F/142 TO 138 PCF - OK. > LOWER DOWN EMW IN 1 PCF STEPS & WAIT FOR 10 MIN. NO GAIN.
01.5	0830 - 1000	0-3	5 7/8	N	DRLG	CIRC	MPMP	RIG	10535	10535			CIRCULATE PRIOR TO PERFORM PPT WITH 132 PCF WBM (142 PCF EMW). > FR: 235 GPM, PP: 3300 PSI, RPM: 15, TRQ: 1.5 KFTLBS. RECIPROCACT STRING
00.5	1000 - 1030	0-3	5 7/8	N	DRLG	OTH	NA	WUD	10535	10535			PERFORM MPD STATIC PORE PRESSURE TEST AS PER WF PROCEDURE F/138 TO 135 PCF - OK. > LOWER DOWN EMW IN 1 PCF STEPS & WAIT FOR 10 MIN. NO GAIN.
01.5	1030 - 1200	0-3	5 7/8	N	DRLG	CIRC	MPMP	RIG	10535	10535			CIRCULATE PRIOR TO PERFORM PPT WITH 132 PCF WBM (142 PCF EMW). > FR: 230 GPM, PP: 3300 PSI, RPM: 15, TRQ: 1.5 KFTLBS. RECIPROCACT STRING
01.0	1200 - 1300	0-3	5 7/8	N	DRLG	OTH	NA	WUD	10535	10535			PERFORM MPD STATIC PORE PRESSURE TEST AS PER WF PROCEDURE F/135 TO 132 PCF. > CHOKE FULLY OPEN. AT 132.5 PCF SLIGHT FLOW TENDENCY OBSERVED. > FLOW CHECK IN BOTH DYNAMIC AND STATIC CONDITIONS. > CONFIRM PPT AT 133 PCF.
02.0	1300 - 1500	0-3	5 7/8	N	DRLG	CIRC	MPMP	RIG	10535	10535			CIRCULATE AND CONDITION MUD WITH 132 PCF WBM (142 PCF EMW). > FR: 230 GPM, PP: 3200 PSI, RPM: 20, TRQ: 1.8 KFTLBS.
14.0	1500 - 0500	0-3	5 7/8	N	DRLG	D	RSS	SDM	10535	10640			RESUME DRILLING 5-7/8" HOLE SECTION WITH RSS/MWD/PWD DIR BHA UTILIZING MPD WITH 132 PCF, MAINTAINING EMW OF 142 PCF. > FOLLOWING GDED INTEGRATED HORIZONTAL DRILLING CONNECTION PRACTICES. IMPLEMENTING STUCK PIPE AVOIDANCE. > TAKING SURVEY EVERY STAND 30 FT OFF BTM. > NO GAIN/ NO LOSSES. > DOWN LINK RSS AND PUMP HVP AS REQUIRED. > DRILLING PARAMETERS: FR: 230-240 GPM, SPP: 3250-3400 PSI, RPM: 90-115, TQ: 2.5-5.5 KFT-LB, WOB: 10-21 KLBS. AVG ROP: 7.5 FT/HR. > MPD PARAMETER: MW IN/OUT= 132/132 PCF, BTM HOLE ECD: 142 PCF, SBP: 360 - 400 PSI, MAX SBP IN DYNAMIC: 440 PSI, MAX SBP IN STATIC: 830 PSI.

#### WORKOVER OBJECTIVE:

RE-ENTER, DE-COMPLETE, MILL 300' OF 4-1/2" LINER, SIDETRACK BELOW 9-5/8" CASING SHOE ACROSS 7" LINER, DRILL 5-7/8" SECTION FROM BJDM TO WELL TD (+/- 5 FT TVD IN KFBC) FOR FUTURE UBCTD. THE WELL WILL BE COMPLETED WITH 4-1/2" 10K CEMENTED LINER ON CARBON STEEL PRODUCTION TUBING.  
> ORKB FOR RIG PA-263 IS 35', CURRENT RKB FOR RIG NA-393S IS 37' (2 FT DIFFERENCE).

===== ARAMCO PERSONNEL ON LOCATION =====

===== SERVICE COMPANY PERSONNEL & TOOLS =====

> EMEC MUD ENG ON LOCATION.

> MI-SWACO/SLB ME ON LOCATION 02/14/2023.

> 3RD ME (MI-SWACO) ON LOCATION 02/21/2023.

> WFD MPD CREW / EQUIPMENT ON LOCATION 02/14/2023 @ 18H00. MPD FAMILIARIZATION.

> MI-SWACO CENTRIFUGE ON LOCATION 02/13/2023 @ 17H00. RU 02/14/2023-02/16/23

> SLB MWD / DD CREW ON LOCATION 02/14/2023 @ 12H00.

> MI THREE SIDE PIN CUTTING BOX ON LOCATION 02/01/2023.

> MI STORAGE FRAC TANK X2 ON LOCATION 02/19/2023 @19H00. ONE TANK RELEASED ON 02/26/2023 @07H00.

> 4-3/4" NPS HM DRLG JAR (SN# GE-DJ-00034) ON LOCATION 02/21/2023 AT 12H00. PU ON 02/21/23 @ 13H00.

===== ERP-STAGING AREA =====

> 4-3/4" PBL SUB / ENGR ON LOCATION 02/19/2023 AT 17H00.

> 100 BBLS 20% VDA ACID (TAQA TANKER) ON LOCATION 02/20/2023

===== WELLSITE SERVICES =====

> 1 VACUUM TANKER ON LOCATION, DRSS#1003830026, PLATE NO: 4379-BRA, 1-2 TRIPS PER DAY (AJINA CO.).

===== SAFETY =====

> IMPLEMENTING CLOSED LOOP DRILLING PRACTICE.  
 > DISCUSSED W/ CREW OPERATION'S SAFETY. MPD OPERATION TRAINING, SHORT SERVICE EMPLOYEE(SSE) AND MENTORSHIP, ALERT: 12-23 FINGER PINCHED USING BOP TQ WRENCH (SSE)

=====DIRECTIONAL DATA=====

> FOLLOW HWYH-910 L5 DIRECTIONAL PLAN-8.2, 11-DEC-22.

> TOW @ 9,708' - BOW @ 9,718'.

> SENSOR OFFSETS FROM BIT: GR @ 6.43', D&I @ 7.33', DIR @ 9.43', IMPULSE RESISTIVITY @ 32.22', D&I @ 37.42', IMPULSE GR @ 39.42', IPWD @ 62.94', APWD @ 63.45'.

> STABILIZERS OD/ MID BLADE FROM BIT: 5.75"/14.38" - 5.625" / 58.59" - 5.5" / 114.47".

> PROJECTION AT BIT AT 10,645' MD: INC: 32.60 DEG, AZ: 109 DEG, TVD: 10,590.17', C-C DISTANCE: 10.85', 5.87' ABOVE TO PLAN, 1.12' RIGHT TO PLAN.

=====RCD PERFORMANCE INFORMATION=====

> TOTAL DRILLED: 902 FT, STRIPPED: 6717 FT, ROT: 102 HRS, STRIPPED: 100 HRS, CUM TJ: 224

> MAX RCD RPM: 120 RPM, MAX STRIPPING FEETS: 12,000 FT, MAX RCD HRS: 150 HRS

=====NEXT WELL=====

> UTMN-2049 JAUF S-SHAPE WELL, PERFORMED PRE-WO MEETING ON 11/30/2022, STRIP OUT COMPLETED, 35% WS WORK. SENT 4-1/2" EZSV/BP 02/06/2023 & REPLACEMENT ON 02/09/2023 FOR ISOLATION RIGLESS.  
 > HWYH-1252 HORIZONTAL KHUFF-C, PERFORMED PRE-WO MEETING ON 11/16/2022, STRIP OUT DONE 02/13/2023, NEED WELL SITE WORK.  
 > UTMN-3037 PRE-SET KHUFF-B, NEED PRE-WO MEETING.

Remarks

Lateral	Survey MD		Angle		Azimuth		CLength		TVD		N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
0-3	10552		29.77		111.12		91		10510.61		-53.08		277.48		233.01	3.67
0-3	10461		26.64		108.64		93		10430.42		-38.42		237.06		190.01	3.03

MUD DATA	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM			
	132 PCF	71 SEC	12.8 HTHP	API	49	20	0 Volts	6 / 7	8 / 17	9.7	200	21000			
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #				
	148	2	1	62	0	38	0	3.59	5	NCPOL	HWYH-909				
MUD TREATMENT	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM			
	132 PCF	70 SEC	12.4 HTHP	API	49	21	0 Volts	6 / 7	8 / 18	9.8	200	38000			
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #				
	148	2	1	62	0	38	0	3.59	5	NCPOL	HWYH-909				
BIT DATA	BARITE	PACLV	MRBL-M	SLTX	TNATHN	CACO3-25	CACO3-50	CAUST	NAACL	ECCO-TEMP	BCTRN	CHROM-LIG	MAX-GUARD		
	48(5000L)	30(55LB)	3(2200L)	70(55LB)	122(55LB)	60(55LB)	60(55LB)	40(50LBP)	4(2200L)	8(100LB)	4(5GL)	50(55LB)	4(55GL)		

BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out					
	29	M432	5.875	REED	S297177	SK711M1A	/ 2 X 12 / 1 X 13 /	0.351	9729	10640						
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
									3300	240	220	317.7			106	

DRILL STRING	Float	Y																
	BHA Hrs:	108																
	String Wt.	Pick Up	Slack Off		Rot. Torque			Jars:			/ 107	Shock		/	Mud			
	172	188	170		180			Serial #/Hrs			/	Sub:	/	Motor:	/			
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
	1	Bit			REED	5.875		5.875	1.25	0.52	3-1/2" REG					S297177		
	2	RSS			SDM	4.75		4.75	3.64	12.86	VO40	3-1/2" REG				58182116		
	3	Stabilizer			SDM			5	2.25	1.74	3-1/2" IF	VO40				3443		
	4	Filter Sub			SDM			4.75	2	2.07	3-1/2" IF	3-1/2" IF				338771		
	5	Saver Sub			SDM			4.81	2.5	0.95	3-1/2" IF	3-1/2" IF				3499-1-7		
	6	Component Not listed			SDM			4.8	2.25	6.36	3-1/2" IF	3-1/2" IF				N9M1187		
	7	Saver Sub			SDM			4.8	2.125	1.38	3-1/2" IF	3-1/2" IF				NTS32211		
	8	Measurement While Drilling (MWD)			SDM			4.75	2.75	32.25	3-1/2" IF	3-1/2" IF				B1812		
	9	Stabilizer			SDM			5.625	2.813	1.5	3-1/2" IF	3-1/2" IF				OF6345		
	10	PWD (Pressure while Drilling)			SDM			4.75	2.25	13.41	3-1/2" IF	3-1/2" IF				E1663-2		
	11	Non Magnetic Drill Collar ( NMDC )			SDM			4.95	2.25	26.4	3-1/2" IF	3-1/2" IF				V1331		
	12	Filter Sub			SDM			4.78	2.5	6.33	3-1/2" IF	3-1/2" IF				V758014		
	13	Component Not listed			SDM			4.88	2.5	8	3-1/2" IF	3-1/2" IF				53604-02		
	14	Stabilizer			SDM			4.8	2.25	3.18	3-1/2" IF	3-1/2" IF				12576		
	15	Pony Collar			SDM			4.75	2.25	14.84	3-1/2" IF	3-1/2" IF				3937		
	16	Float Sub			WDS			4.75	2.25	3.85	3-1/2" IF	3-1/2" IF				REF10044956		
	17	Float Sub			SDM			4.75	2.25	3.87	3-1/2" IF	3-1/2" IF				REF10044956		
	18	PBL (Multiple Activation By Pass)			SAM			4.75	2.25	8.45	3-1/2" IF	3-1/2" IF				NOR475P724		
	19	Float Sub			SDM			4.75	2.25	3.87	3-1/2" IF	3-1/2" IF				REF88339462		
	20	Crossover			RIG			4.875	2.25	1.78	XT-39	3-1/2" IF				41405		
	21	Heavy Weight Drillpipe (HWDP)			RIG	4	3	4		90.74	XT-39	XT-39				VARIOUS		
	22	Hydro-Mechanical Jar			NPJ	4.75	1	3.375	2.25	30.7	XT-39	XT-39				GEDJ0034		
	23	Heavy Weight Drillpipe (HWDP)			RIG			8	4	243.44	XT-39	XT-39						
	24	Drillpipe			RIG	4	93	4		2930.56	XT-39	XT-39				TALLY		

Miscellaneous	BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting				
	02/12/2023		NORMAL	ONSHORE	WINTER		TOUR MEETING				
	Real-Time Data Quality		Sensors Quality		100%	Data Frequency		100%	Real-Time Hrs		11.49/24 hrs

COMPANY	SWK	SDM	RIG	EMC	SMI	MJH	NPJ	SDM	WUD	RIG	ARM	OTH	MI2	ARM	SAM	
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Personnel and Services Information	CATEGORY	CTR G	DPDS	RIG	DFMS	DFMS	SEC	JST	LWD	MPD	OTHR	OTHR	RENT	SCS	WSC	WBCS	Total <b>89</b>
	NO. OF PERSONS	<b>15</b>	<b>2</b>	<b>41</b>	<b>1</b>	<b>2</b>	<b>8</b>	<b>0</b>	<b>2</b>	<b>6</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	
	OPERATING HRS.	<b>0</b>	<b>12</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>24</b>	<b>12</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>24</b>	<b>24</b>	
	ON LOCATION HRS.	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	
	Standby/Tankers																
Trucks/Boats	<b>AB-7155</b>																
BULK	Drill Wtr.-BBLS	<b>1000</b>	Pot Wtr.- BBLS	<b>200</b>	Fuel- BBLS	<b>404</b>	Barite- SX	<b>198</b>	Bentonite - SX	<b>19</b>	Cement G- SX	<b>0</b>					
REPAIR ASAP	Instrumentation		Other														Reporter
	Computer, Communication & V-Sat Issues																

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HZEM-140204 (HORIZONTAL DEVELOPMENT TIGHT GAS WELL)</b> Charge #: <b>(87- 22541- 7600)</b> Wellbores: (0) HZEM_140204_0	Rig <b>NBR- 16S</b> Foreman(s) Engineer Superintendent	<b>SILBERNAGEL, URBAN ANTHONY/ EICKERT, MICHAEL SHAWN/ NETTARI, RACHID/ ALOTAIBI, IBRAHIM SULTAN/ YAMI, FAHAD MANE</b>
		THURAYA <b>882-167-771-2587</b>	RIG FORMAN VSAT <b>577-6136</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>7027</b>	<b>TRIPPED IN HOLE AND SHALLOW TESTED. PRESSURE TESTED CASING. DRILLED OUT SHOE TRACK AND DRILLED 12" INTERVAL.</b>	<b>DRILL TO TD WITH SCHLUMBERGER MUD MOTOR 12" BHA ASSEMBLY. CIRCULATE HOLE CLEAN. TRIP OUT OF HOLE AND LAY DOWN BHA. PULL WEAR BUSHING.</b>	<b>SALWA ROAD INTO HZEM MAIN SKID ROAD FOLLOW RIG SIGNS</b>	<b>8.9</b> (02/15/2023@1830)	<b>SFNY 5526 47 FT SHALLOWER SHUB 6305 45 FT SHALLOWER BYDH 6655 58 FT SHALLOWER DMM 877 0 RUS 1118 15 FT DEEPER UMER 1570 20 FT DEEPER ARUM 2776 11 FT DEEPER LAMS 3277 4 FT SHALLOWER AHMD 4899 49 FT SHALLOWER</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>4992</b>					<b>13 3/8</b>	<b>4977</b>	<b>4977</b>	<b>2035</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
01.5	0500 - 0630	0	16	N	DRLG	HT	BHA	SDM	4992	4992			RAN IN HOLE WITH SCHLUMBERGER 12" BOTTOM HOLE ASSEMBLY ON DRILL COLLARS & HEAVY WEIGHT DRILLPIPE STANDS IN CASED HOLE.
00.5	0630 - 0700	0	16	N	DRLG	TI	STDP	RIG	4992	4992	1015	1500	RAN IN HOLE WITH 12" SCHLUMBERGER 12" MUD MOTOR BHA ON STANDS OF DRILLPIPE IN CASED HOLE.
00.5	0700 - 0730	0	16	N	DRLG	PTST	MPMP	RIG	4992	4992			SHALLOW TESTED MWD, OK. > 750 GPM @ 1120 PSI.
01.8	0730 - 0915	0	16	N	DRLG	TI	STDP	RIG	4992	4992	1500	4736	RAN IN HOLE WITH 12" SCHLUMBERGER BOTTOM HOLE ASSEMBLY WITH DRILLPIPE STANDS IN CASED HOLE.
02.0	0915 - 1115	0	16	N	DRLG	RW	BIT	RIG	4992	4992	4736	4830	WASHED DOWN W/ WATER AND TAGGED TOC AT 4,830 FT. PICKED UP AND CIRCULATED WATER THROUGHOUT SYSTEM.
00.5	1115 - 1145	0	16	N	DRLG	CIRC	MPMP	RIG	4992	4992			BROKE CIRCULATION. PRESSURE TESTED CASING TO 500 PSI FOR 10 MIN - GOOD TEST.
02.0	1145 - 1345	0	16	N	DRLG	DFS	MMOT	SDM	4992	4992	4830	4974	CLEANED OUT CEMENT, FLOAT COLLAR (4947') TO TOP OF FLOAT SHOE(4974') W/ WATER TO TOP OF 13 3/8" FLOAT SHOE.
00.8	1345 - 1430	0	16	N	DRLG	CIRC	MPMP	RIG	4992	4992			DISPLACED WELL TO 70 PCF NACL POLYMER MUD,
00.2	1430 - 1445	0	16	N	DRLG	DC	MMOT	SDM	4992	4992	4974	4992	CLEANED OUT REMAINING SHOE TRACK & RAT HOLE.
05.5	1445 - 2015	0	12	N	DRLG	DMR	MMOT	SDM	4992	6198			SCHLUMBERGER MOTOR ROTARY DRILLED 12" SECTION W/ 72 PCF NACL POLYMER MUD, (100% CIRCULATION.)
00.5	2015 - 2045	0	12	N	DRLG	CIRC	MPMP	RIG	6198	6198			CIRCULATED BOTTOMS UP 100' ABOVE SHU'AIBA FORMATION.
08.2	2045 - 0500	0	12	N	DRLG	DMR	MMOT	SDM	6198	7027			SCHLUMBERGER MOTOR ROTARY DRILLED 12" SECTION W/ 73 PCF NACL POLYMER MUD, (100% CIRCULATION.)

HZEM-140204 IS THE FIRST WELL ON HZEM-1402 PAD TO BE DRILLED BY RIG NBR-16S AS A HORIZONTAL DEVELOPMENT TIGHT GAS WELL TARGETING TUWAIQ MOUNTAIN SOURCE ROCKS RESERVOIR B (TQMB). HZEM-1402 IS A 4-WELL DEVELOPMENT (HORIZONTAL) PAD LOCATED IN

THE SOUTHERN PART OF THE JAFURAH BASIN.

THE WELL IS PLANNED TO LAND AT +/- 17 FT. INSIDE TQMA FORMATION AND DRILL TO TD AT +/- 18,589 FT. (MD) / 10,851 FT. (TVD) WITH A TOTAL LATERAL LENGTH OF +/- 6,900 FT AT 347 DEGREE AZIMUTH. THE WELL WILL BE COMPLETED WITH 5-1/2" CEMENTED LONG STRING

MONO-BORE COMPLETION.

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ARAMCO PERSONNEL:

- ARAMCO CLERK GUKAN CHELLAM # 8530980 ON LOCATION 09/12/2022
- ARAMCO FCT MOHAMMED ALSAHRANI #8553278 ON LOCATION 02/16/2023
- ARAMCO NEW FOREMAN TRIFI ABDELKADER #8164231 ON RIG 02/16/2023

**WELL SITE CONTRACTOR EQUIPMENT'S ON LOCATION:**

- 1X GHEENA SPRAY TANKER PLATE # 5416 XVA

- NEAR MISS: 0

- STOP WORK AUTHORITY: 4

- DRILLS: 3 ACCUMULATOR X 1, TRIP DRILLS X 2

- DAILY FUEL CONSUMPTION: RIG 34 BBLS & CAMP 5 BBLS (TOTAL CONSUMPTION ON HZEM-140204 = 1306 BBLS)

**Remarks**

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
0	6812	0.48	233.34	94	6810.8	25.51	66.13	25.51	0.04
0	6718	0.49	229.56	63	6716.8	26.01	66.75	26.01	0.16
0	6655	0.58	225.20	31	6653.81	26.40	67.18	26.4	0.14
0	6624	0.62	223.50	94	6622.81	26.64	67.41	26.64	0.14
0	6530	0.52	232.46	94	6528.81	27.27	68.10	27.27	0.37
0	6436	0.87	229.47	94	6434.82	27.99	68.98	27.99	0.13
0	6342	0.78	223.38	40	6340.83	28.92	69.96	28.92	0.45
0	6302	0.94	217.94	54	6300.84	29.37	70.35	29.37	0.46
0	6248	1.17	213.05	94	6246.84	30.19	70.92	30.19	0.11
0	6154	1.23	209.22	94	6152.86	31.87	71.94	31.87	0.16
0	6060	1.08	207.78	94	6058.88	33.54	72.84	33.54	0.39
0	5966	0.71	209.17	94	5964.9	34.83	73.54	34.83	0.28
0	5872	0.47	199.54	94	5870.9	35.70	73.95	35.7	0.48
0	5778	0.81	171.37	96	5776.91	36.72	73.98	36.72	0.39
0	5682	0.95	194.02	95	5680.92	38.16	74.07	38.16	0.25
0	5587	0.71	196.10	60	5585.93	39.49	74.43	39.49	0.32
0	5527	0.54	204.26	37	5525.93	40.11	74.65	40.11	0.33
0	5490	0.44	212.38	94	5488.93	40.39	74.79	40.39	0.27
0	5396	0.20	227.49	94	5394.93	40.80	75.11	40.8	0.15
0	5302	0.30	252.30	95	5300.93	40.99	75.46	40.99	0.19
0	5207	0.13	265.57	96	5205.94	41.07	75.81	41.07	0.24
0	5111	0.25	333.44	96	5109.94	40.89	76.01	40.89	0.19

MUD DATA	Weight <b>70 PCF</b>	Funnel Vis. <b>52 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>15</b>	YP <b>27</b>	Electrical Stability	3/6 RPM <b>0 Volts</b>	Gels Sec/Min <b>9 / 12</b>	PH <b>9.4</b>	CA PPM <b>200</b>	CL PPM <b>110000</b>
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>89.5</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>10.5</b>	Sand Vol. % <b>0</b>	% LGS <b>4.1</b>	MBT <b>5</b>	Mud type <b>INPHPA</b>	Water Well # <b>HZEM-808, HZEM-848</b>	
	Weight <b>70 PCF</b>	Funnel Vis. <b>50 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>14</b>	YP <b>26</b>	Electrical Stability	3/6 RPM <b>0 Volts</b>	Gels Sec/Min <b>8 / 12</b>	PH <b>9.4</b>	CA PPM <b>200</b>	CL PPM <b>109000</b>
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>90</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>10</b>	Sand Vol. % <b>0</b>	% LGS <b>3.7</b>	MBT <b>5</b>	Mud type <b>INPHPA</b>	Water Well # <b>HZEM-808, HZEM-848</b>	
	Weight <b>70 PCF</b>	Funnel Vis. <b>54 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>14</b>	YP <b>27</b>	Electrical Stability	3/6 RPM <b>0 Volts</b>	Gels Sec/Min <b>8 / 10</b>	PH <b>9.5</b>	CA PPM <b>200</b>	CL PPM <b>113000</b>
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>90</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>10</b>	Sand Vol. % <b>0</b>	% LGS <b>3.4</b>	MBT <b>5</b>	Mud type <b>INPHPA</b>	Water Well # <b>HZEM-808, HZEM-848</b>	
MUD TREATMENT	<b>BARITE</b>	<b>MRBL-M</b>	<b>CAUST</b>	<b>CLAYSYNC</b>	<b>DEXT</b>	<b>ENVIROTHIN</b>	<b>NACL</b>	<b>MAX-GUARD</b>	<b>NEWDRILSTK</b>	<b>DUOVIS-NS</b>		
	<b>10(5000L)</b>	<b>2(2200L)</b>	<b>13(25KG)</b>	<b>104(50LB)</b>	<b>74(25KG)</b>	<b>47(50LB)</b>	<b>29(2200L)</b>	<b>5(55GL)</b>	<b>2(25LB)</b>	<b>8(55LB)</b>		

BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out
	<b>3</b>	<b>M422</b>	<b>12</b>	<b>REED</b>	<b>S295344</b>	<b>SK616M3D / 9 X 13 / 1.167</b>	<b>4992</b>	<b>7027</b>			
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure
											GPM Jet Vel DP Av DC Av Bit HHP
											2280 950 262 195.67 228.84 330

	Float	<b>Y</b>									
	BHA Hrs:	<b>14</b>									
String Wt.	Pick Up	Slack Off		Rot. Torque							

DRILL STRING	230	235	230	15000				Jars: Serial #/Hrs			/	Shock Sub:	/	Mud Motor:	/	13.8											
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #											
	1	Bit			REED	12	1	12	3.25	1.03	6-5/8REG					S295344											
	2	Mud Motor			SDM	9.6	1	11.75	2.73	29.11	6-5/8REG	6-5/8REG				FS96DS0441											
	3	Float Sub			SDM	9.63	1	9.63	6.9	3.69	6-5/8REG	6-5/8REG				FC96SC0762											
	4	Roller Reamer			RIG	12	1	12	2.75	12.2	6-5/8REG	6-5/8REG				RIG											
	5	Crossover			SDM	8.16	1	8.13	2.81	2.6	7-5/8 REG	6-5/8 REG				MWD-GTF-375											
	6	Saver Sub			SDM	9.69	1	9.56	3.5	1.79	7-5/8 H90	7-5/8 REG				MWD-5728951											
	7	Measurement While Drilling (MWD)			SDM	24.69	1	9.16	5.9	24.69	7-5/8 H90	7-5/8 H90				G5862											
	8	Saver Sub			SDM	9.69	1	9.69	4.25	1.14	7-5/8REG	7-5/8 H90				18497-2											
	9	Crossover			SDM	9.69	1	9.69	4.25	1.14	7-5/8 REG	7-5/8 H90				MWD5879121											
	10	Float Sub			SDM	8.25	1	8.25	2.81	2.87	6-5/8REG	6-5/8REG				NAP-6238-1											
	11	Filter Sub			SDM	8	1	8	3.13	7.8	6-5/8REG	6-5/8REG				IME-8001061											
	12	Roller Reamer			RIG	12	1	12	2.75	8.9	6-5/8REG	6-5/8REG				RIG											
	13	Drillcollar			RIG	8.5	12	8.5	2.75	365.36	6-5/8REG	6-5/8REG				RIG											
	14	Crossover			RIG	8.5	1	8.5	3	2.51	4.5" IF	6-5/8 REG				RIG											
	15	Drillcollar			RIG	6.5	3	8.5	3	91.88	4.5" IF	4.5" IF															
	16	Heavy Weight Drillpipe (HWDP)			RIG	5	15	5	3	457.17	4.5" IF	4.5" IF				RIG											
	17	Drillpipe			RIG	5	0	5	4.276		4.5" IF	4.5" IF															
Miscellaneous	BOP Test		BOP Drills			Wind		Sea		Weather		DSLTA		Safety Meeting													
	02/25/2023		0									2 X DAILY															
Personnel and Services Information	Real-Time Data Quality			Sensors Quality			99%	Data Frequency			100%	Real-Time Hrs			11.49/24 hrs												
	COMPANY		GEI	RTC	GOS	SDM	RIG	BAR	RIG	ARM	SJC	OTH	ARM														
	CATEGORY		ISPCT	BITS	CTRG	DPDS	RIG	DFMS	OTHR	OTHR	PCS	VAC	WSC			Total 92											
	NO. OF PERSONS		4	1	16	2	42	12	7	3	1	1	3														
	OPERATING HRS.		12	24	0	24	24	24	12	12	0	12	24														
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24														
Trucks/Boats	Standby/Tankers																										
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX																					
REPAIR ASAP	Instrumentation				Other				Reporter																		
	Computer, Communication & V-Sat Issues																										
	<b>FOREMAN PRINTER HAS NOT WORKED FOR 2 WEEKS DESPITE IT SUPPORT...</b>																										

D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HZEM-140404 (DRILLING WELL AS GAS- UNCONVENTIONAL / DEVELOPMENT IN HZEM)</b>	Rig <b>NBR- 20S</b>	Foreman(s) <b>KILANY, AHMED ABDULHAKEM/ ABDELAAL, HOSSAM HASSAN/ MAJED, FIRAS MOAYYED/ YAMI, FAHAD MANE</b>
Engineer Superintendent	THURAYA <b>008821677712893</b>	RIG FORMAN VSAT <b>011-285-8530</b>	OTHER VSAT <b>011-285-8531</b>
			CONTRACTOR/CLERK VSAT <b>8049640</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>18550</b>	<b>POH, L/D FISHING BHA.P/U, M/U &amp; RIH W/OVERSHOT BHA DRESSED W/5" BASKET GRAPPLE,LATCH TOF.WORK ON STUK.PERFORMED ACID JOB.WORK ON OBSTRUCTION</b>	<b>WORK STRING TILL PASS THE OBSTRUCTION. ROAD FOLLOW RIG SIGNS</b>	<b>SALWA ROAD INTO HZEM MAIN SKID</b>	<b>37.5 (01/20/2023@1600)</b>	<b>MDTM 7653 31' DEEPER SULY 8225 41' DEEPER HITH 8784 43' DEEPER ARBA 9162 10' SHALLOWER ABAR 9239 6' DEEPER ABBR 9345 8' DEEPER ABCR 9433 4' DEEPER ABDR 9615 14' DEEPER JUBL 9776 15' DEEPER JBSR 10620 16' DEEPER HNIF 10704 22' DEEPER HNFC 10805 23' DEEPER HNFD 10829 3' DEEPER TQMA 10836 2' DEEPER TQMB 10848 2' DEEPER</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>18550</b>					<b>9 5/8</b>	<b>7700</b>	<b>7700</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations		
									Start	End	Start	End					
00.2	0500 - 0515	0	8 1/2	N	MILL	CIRC	MPMP	RIG	18550	18550			DSF	909586	FLOW CHECK . WELL STATIC		
01.8	0515 - 0700	0	8 1/2	N	MILL	CIRC	MPMP	RIG	18550	18550			DSF	909586	L/D MILLING BHA		
01.0	0700 - 0800	0	8 1/2	N	FISH	FISH	FISHT	RAC	18550	18550			DSF	909586	P/U, M/U OVERSHOT FISHING BHA DRESSED W/5" BASKET GRAPPLE		
02.8	0800 - 1045	0	8 1/2	N	FISH	TI	STDP	RIG	18550	18550	215	3414	DSF	909586	RIH W/ OVERSHOT ASSY. TO TOP OF FISH		
00.2	1045 - 1100	0	8 1/2	N	FISH	CIRC	MPMP	RIG	18550	18550			DSF	909586	CIRULATED TO CLEAN TOP OF FISH AS PER RAWABI ENGINEER		
00.5	1100 - 1130	0	8 1/2	N	FISH	FISH	FISHT	RAC	18550	18550			DSF	909586	LATCHED TOP OF FISH & CONFIRMED LATCH BY O/P AND AN INCREASE IN SPP		
06.5	1130 - 1800	0	8 1/2	N	FISH	FISH	FISHT	RAC	18550	18550			DSF	909586	WORKED STRING AND JARRED UP AS PER RAWABI ENGINEER.		
00.5	1800 - 1830	0	8 1/2	N	FISH	PJSM	NA	RIG	18550	18550			DSF	909586	PJSM W/ALL INCLUDED PERSONNEL .DISCUSSED ALL ACID JOB PROCEDURES AND HAZARDS IN DETAIL		
00.5	1830 - 1900	0	8 1/2	N	DRLG	PTST	MPMP	RIG	18550	18550			DSF	909586	R/U SURFACE LINES AND CIRCULATING HEAD. * PT SAME TO 5000 PSI-OK.		
02.5	1900 - 2130	0	8 1/2	N	FISH	OTH	NA	SCM	18550	18550			DSF	909586	PJSM, SLB PUMPED 100 BBL. 20 % HCL WITH VDA, WHILE DISPLACING FIRST 50 BBL. OF ACID IN THE ANNULUS, LOST RETURN		
01.0	2130 - 2230	0	8 1/2	N	FISH	WOS	STRG	RIG	18550	18550	3414	3414	DSF	909586	WORKED STRING AND JARRED UP MEANWHILE DISPLACING ALL 100 BBL. ACID IN THE ANNULUS AT 100 GPM. AND CONTINUE DISPLACE ACID W/NO RETURN > DYNAMIC LOSSES AT 100 GPM : 120 BPH		
01.2	2230 - 2345	0	8 1/2	N	FISH	WOS	STRG	RIG	18550	18550	3414	3414	DSF	909586	WORKED STRING AND JAR UP > LINED UP THE WELL TO TRIP TANK- NO LOSSES		
00.8	2345 - 0030	0	8 1/2	N	FISH	FISH	FISHT	RAC	18550	18550			DSF	909586	RELEASED OVER SHOT AS PER RAWABI ENGINEER		
00.5	0030 - 0100	0	8 1/2	N	FISH	CIRC	MPMP	RIG	18550	18550			DSF	909586	FLOW CHECK -WELL STATIC > NO STATIC LOSSES		
02.2	0100 - 0315	0	8 1/2	N	FISH	WOS	STRG	RIG	18550	18550	3414	3384	DSF	909586	ATTEMPTED TO POH W/FISHING ASSY. ENCOUNTERED O/P UP TO 100-130 KLB @ 3384'. WORKED STRING W/ NO RETURN > STRING FREE DOWN. ENCOUNTERING AN OBSTRUCTION UP > ANNULUS LEVEL IS STATIC		
00.2	0315 - 0330	0	8 1/2	N	FISH	FISH	FISHT	RAC	18550	18550			DSF	909586	RUN BACK TO TOF, LACHED SAME, CONFIRMED LATCH BY O/P. DISENGAGED -OK. *ATTEMPTED TO POH. ENCOUNTERED O/P AT THE SAME POINT AT 3384'		
01.5	0330 - 0500	0	8 1/2	N	FISH	WOS	STRG	RIG	18550	18550	3384	3384	DSF	909586	WORK STRING WITH 60 % RETURN ONGOING AT RPT		

Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
24 Feb 2030 - 0500	24	64	909586		DSF	WHOL	DP	RIG	3401	WHILE WORKING DRILL STRING , PRESSURE SUDDENLY DROPPED AND 60KLBS OF STRING WEIGHT DROP.

HZEM-140404 IS THE 1ST SLOT ON PAD HZEM-1404 TO BE DRILLED BY RIG NBR-20 AS A HORIZONTAL DEVELOPMENT TIGHT GAS WELL TARGETING TUWAQ MOUNTAIN SOURCE ROCKS RESERVOIR B (TQMB) BELOW THE HIGH GR ZONE. THE WELL IS PLANNED TO LAND AT +/- 19 FT. INSIDE TQMA FORMATION AND DRILL TO TD OF 18,574 FT. (MD) / 10,831 FT. (TVD). THE WELL WILL BE COMPLETED WITH 5-1/2" CEMENTED LONG STRING MONO-BORE COMPLETION.

=====  
ARAMCO CLERK MD AKBAR KHAN #8524376 ON LOCATION SINCE 06/15/2022.  
NEW ARAMCO FOREMAN MOUSSA GACEM #8588388 ON LOCATION SINCE 02/16/2023  
ARAMCO FOREMAN URBAN SILBERNAGEL #8988833 ON LOCATION SINCE 02/19/2023  
ARAMCO FIELD SUPT. OMAR SBITAN ID# 857497 ON LOCATION SINCE 02/20/2023

=====  
- NEAR MISS:  
- DRILLS:

=====  
AL AJINAH WATER SPRAY #3822JAA ON LOCATION 11/17/2022 WORKING 12.0 HRS PER DAY.

=====  
AL AJINAH VACUUM TRUCK #1156-TRA ON LOCATION 2/21/2023, 1 LOAD PER DAY TO DISPOSAL MONTHLY DRSS  
AL AJINAH VACUUM TRUCK #1548-TRA ON LOCATION 2/21/2023, 1 LOAD PER DAY TO DISPOSAL MONTHLY DRSS

#### Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS				
MUD DATA	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	14000	CL PPM	31000					
	123 PCF	70 SEC	2.2 HTHP	API	49	30	670 Volts	17 / 18	22 / 28	0									
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	HZEM-808, HZEM-848							
	0	1	0	12	50	38	0	8.4	0	INVER									
	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	14000	CL PPM	25000					
	123 PCF	80 SEC	3 HTHP	API	66	32	400 Volts	17 / 19	28 / 34										
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	HZEM-808, HZEM-848							
	135	1	0	18	48	34	0	5.2	0	INVER									
	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	14600	CL PPM	31000					
MUD TREATMENT	123 PCF	71 SEC	2.4 HTHP	API	53	28	684 Volts	16 / 18	22 / 27										
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	HZEM-808, HZEM-848							
BIT DATA	0	1	0	13	49	38	0	8.6	0	INVER									
	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	0	CL PPM	0					
DRILL STRING	PCF	0 SEC	0 HTHP	API	0	0	0 Volts	0 / 0	0 / 0	0									
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	HZEM-808, HZEM-848							
BARITE		CARBOTROL	CAOH2	GELTONE	PRIM-EMUL	STELSL400	STELSL50	S-SCAV	S-NF25	CACO3-5									
4(5000L)		80(50LB)	30(25KG)	2(50LB)	5(55GL)	8(50LB)	8(50LB)	40(25KG)	10(25KG)	10(25KG)									
BOP Test		BOP Drills		Wind		Sea		Weather		DSLTA		Safety Meeting							
02/01/2023		CALM						2 X DAILY											
Real-Time Data Quality				Sensors Quality			99%	Data Frequency		100%	Real-Time Hrs		10.99/24 hrs						
Personnel and Services Information	COMPANY		BCR	SWK	RIG	BAR	BFL	RAC	SDM	RIG	ARM	SCM	GD1	BSC	OTh	ARM	CAM	HWP	Total 115
	CATEGORY		CSR	CTR	RIG	DFMS	FILT	WMFE	LWD	OTHR	OTHR	PCS	SLS	SCS	VAC	WSC	WHES	WLS	
	NO. OF PERSONS		4	14	48	4	1	1	2	9	4	6	4	9	1	2	1	5	
	OPERATING HRS.		0	0	24	24	0	12	24	12	12	3	0	24	12	24	0	0	
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers		1																
BULK	Drill Wtr.-BBLS		Pot Wtr.- BBLS		Fuel- BBLS		Barite- SX		Bentonite - SX		Cement G- SX								
REPAIR ASAP	Instrumentation		Other		Computer, Communication & V-Sat Issues										Reporter				

Date	MONDAY 02/27/2023	Well No (Type):	HRDH-1962 (MK-1 SINGLE LATERAL GAS-PRODUCER TARGETING KHUFF-C RESERVOIR)	Rig	Foreman(s)	SPRUIELL, JAMES GREGORY/ OMAR, MAHMOUD MOHAMED KAMAL
Engineer		Superintendent	TAHA/ OMRAN, MOHAMMAD JAFFAR	THURAYA	RIG FORMAN VSAT	FAX VSAT 880-5237
				0088-21677712116	VSAT	CONTRACTOR/CLERK VSAT 572-6095
				574-7873		

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
13588	RETRIEVE WB, CO BOP TO 4" RAMS, M/U AND RIH BOP TEST ASSY. P/T BOP, L/D BOP TEST ASSY, SET WB, PU/RIH SAMAA CLEAN OUT ASSY	RIH SAMAA CLEAN OUT/NEG TEST ASSY, CO CMT, CHC, POSITIVE TEST, DISP WATER. NEGATIVE TEST, REV CIRCULATE, POOH	HRDH-1962; DH MAIN GATE- 235 KM.	36.2 (01/18/2023@0730)	BJDM 10070 13 FT SHALLOWER MD MDJR 10365 22 FT SHALLOWER SUDR 11144 10 FT SHALLOWER TVD SDDM 11501 TVD 11467 FT (20 FT SHALLOW TVD) BSRD 11534 TVD 11496 FT (9 FT DEEP TVD) KHFF 11950 TVD 11850 FT (2 FT DEEP TVD) KFAC 12005 TVD 11888 FT (2 FT DEEP TVD) KFAR 12079 TVD 11934 FT (12 FT DEEP TVD) KFBC 12183 12017 FT TVD (18 FT FT DEEP TVD) KFBR 12253 12064 TVD (1 FT DEEP TVD) KFB2 12406 12161 TVD (7 FT DEEP TVD) KFB3 12528 12230 TVD (10 FT DEEP TVD) KFB4 12592 12264 TVD (1 FT DEEP TVD) KFB5 12703 12318 FT TVD (11 FT DEEP TVD) KFB6 12867 12387 FT TVD (1 FT DEEP TVD) KFCC 13544 12586 FT TVD (42 FT DEEP TVD)

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
13588	7	9806	13585	12597	9 5/8	10100	10100	0	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
01.0	0500 - 0600	0	8 3/8	N	DRLG	RR	TDS	RIG	13588	13588			RIG SERVICE TDS. -REPLACE ACTUATOR VALVE.
01.0	0600 - 0700	0	8 3/8	N	WH	SET	WBSH	RIG	13588	13588			PJSM, M/U VETCO GREY RETRIEVING TOOL. PULLED WEAR BUSHING. L/D SAME. M/U JETTING TOOL. JET BOP AND WELL HEAD AREA. L/D SAME.
00.8	0700 - 0745	0	8 3/8	N	BOP	OTH	RAMS	RIG	13588	13588			RIH WITH 3 STANDS OF 5 1/2" HWDP AND ONE STAND OF 5 1/2" DP. SECURE WELL ON MASTER RAMS.
01.5	0745 - 0915	0	8 3/8	N	BOP	BOP	RAMS	RIG	13588	13588			CHANGE OUT BLIND RAMS TO 4" PIPE RAMS.
07.0	0915 - 1615	0	8 3/8	N	BOP	BOPT	BOP	RIG	13588	13588			M/U VETCO GREY TEST PLUG. RIH AND LAND. M/U TEST ASSEMBLY. PRESSURE TEST BOP AS PER ARAMCO STANDARDS. TESTED RAMS TO 300 PSI LOW AND 10000 PSI HIGH. PRESSURE TESTED ANNULAR TO 300 PSI LOW AND 7000 PSI HIGH.
00.5	1615 - 1645	0	8 3/8	N	BOP	OTH	RBOP	RIG	13588	13588			ACCUMULATOR DRAW DOWN TEST
01.2	1645 - 1800	0	8 3/8	N	BOP	OTH	BOP	RIG	13588	13588			R/D BOP TEST ASSEMBLY. PULL AND L/D VETCO GREY TEST PLUG.
01.5	1800 - 1930	0	8 3/8	N	DRLG	HT	BHA	RIG	13588	13588			L/D 9 JOINTS OF 5 1/2" HWDP AND 3 JOINTS OF 5 1/2" DP.
01.0	1930 - 2030	0	8 3/8	N	WH	SET	WBSH	RIG	13588	13588			P/U V-GREY RUNNING TOOL. SET AND LOCKDOWN CAMERON 11" WEAR BUSHING. POOH AND L/D WEAR BUSHING RUNNING TOOL.
00.5	2030 - 2100	0	8 3/8	N	CT	PJSM	STRG	RIG	13588	13588			HPJSM ON P/U SAMAA CLEAN OUT BHA. HIGHLIGHTED BHA HANDLING, PINCH POINTS, COMMUNICATION WITH CRANE AND P/U MACHINE OPERATORS.
03.0	2100 - 0000	0	8 3/8	N	CT	WBCO	WBCL	SAM	13588	13588			M/U NEW 5-7/8" HUGHES TRI-CONE BIT (TYPE: RC218) WITH 7" X 9 5/8" SAMAA CLEAN OUT ASSY AS FOLLOW: BIT SUB + 6X 4-3/4" DC +5.84" SPIRAL MILL + 5.37" SCRAPER +XO+ 6X 4"HWDP+ 5.78" JUNK BASKET + 16X 4" HWDP + NEW 4-3/4" JAR + 2X 4" HWDP + 84 JTS OF 4" DP + XO+ 9 5/8" (SAMAA FSC NO-GO ASSY + STRING MAGNET + JUNK BASKET) + XO.
00.5	0000 - 0030	0	8 3/8	N	CT	PJSM	STRG	RIG	13588	13588			HPJSM WITH NEW CREW ON TOUR ON P/U SAMAA CLEAN OUT BHA. HIGHLIGHTED BHA HANDLING, PINCH POINTS, COMMUNICATION WITH CRANE AND P/U MACHINE OPERATORS.

04.0	0030 - 0430	0	8 3/8	N	CT	WBCO	WBCL	SAM	13588	13588			CONT M/U NEW 5-7/8" HUGHES TRI-CONE BIT (TYPE: RC218) WITH 7" X 9 5/8" SAMAA CLEAN OUT ASSY AS FOLLOW: BIT SUB(NO FLOAT) + 6X 4-3/4" DC +5.84" SPIRAL MILL + 5.37" SCRAPER +XO+ 6X 4"HWDP+ 5.78" JUNK BASKET +16X 4" HWDP + NEW 4-3/4" JAR + 2X 4" HWDP + 84 JTS OF 4" DP + XO+ 9 5/8" (SAMAA FSC NO-GO ASSY + STRING MAGNET + JUNK BASKET) + XO. - ALL 4" HWDP AND DP PICKED FROM RACKS
00.5	0430 - 0500	0	8 3/8	N	CT	TI	SPDP	RIG	13588	13588	3666	4550	RIH WITH SAMAA 7" X 9 5/8" CLEAN OUT ASSY ON 5.5" DP STDS WITH CONTROLLED SPEED...ONG@MRT - MONITOR WELL ON TRIP TANK

HRDH-1962 IS AN MK-1 GAS WELL (GAS AGGRESSIVE STRATEGY) LOCATED IN THE NORTH OF HRDH FIELD. THE WELL WILL BE DRILLED AS AN MK-1 SINGLE LATERAL GAS-PRODUCER TARGETING KHUFF-C RESERVOIR.

#### ==SAFETY==

EMPHASIZED SAFETY BEING TOP PRIORITY:

- 1) PROCEDURE OF THE WEEK: NU/ND BOP'S PROCEDURE (RIG SPECIFIC).
- 2) RHSEI FOCUS OF THE WEEK: DERRICK ESCAPE DEVICE & CHOKE MANIFOLD AND FLARE SYSTEM.
- 3) LESSON LEARNED OF THE WEEK (OPERATIONS ALERT): FALL FROM HEIGHT.
- 4) GDD SAFETY TOPIC OF THE DAY: ELECTRICAL SAFETY.
- 5) SANAD OPERATIONAL ALERT 10-22 - SUPER CHOKE FAILURE.

#### ==ARAMCO PERSONNEL==

- \* ARAMCO RIG CLERK IBN-E-AMIN MUHAMMED BADGE# 8355613, ON LOC SINCE 01/01/2022.
- \* ARAMCO FCT DOE&CD AHMED ALHASSAN (786664) OFF LOC 02/24/2023.
- \* ARAMCO PDP HOT II RAYAN ALMARWAN (818428) ON LOC 02/22/2023.
- \* ARAMCO WALEED ALSUDYYES (782034) ON LOCATION ON 2/22/2023.
- \* ARAMCO DE MAHMOUD OMAR (177481) OFF LOC ON 2/26/2023.

#### ==RIG VISIT==

- \* SANAD RIG SUPERINTENDENT ON/OFF LOCATION 01/31/2023. ON LOCATION 2/6/2023 OFF LOCATION 2/8/2023

#### ==SERVICE PERSONNEL==

- \* EMEC MUD ENGINEER & TRAINEE MUD ENGINEER ON LOCATION.
- \* RAWABI GEOLOG MUD LOGGERS ON LOC 2/4/2023 @9:30.
- \* SLB MUD ENG ON LOCATION 2/9/2023 @12:45.
- \* SLB MWL ENG ON LOCATION 2/10/2023 @12:10.
- \* SLB DD ENG ON LOC 2/12/2023 @11:00. OFF LOC 2/25/2023 @12:30 HRS.
- \* WFD CSG CREW ON LOC 2/22/2023@16:00.
- \* SAMAA ENG ON LOC 2/25/2023@11:30.
- \* VETCO GREY ENG ON LOC 2/25/2023 @23:30.
- \* BAKER ENG ON LOC 2/21/2023 @9:15.

#### ==AUDIT ITEMS==

- \* GAP ANALYSIS 89.5%

#### ==DRILLS==

- \* 2 X TRIP DRILLS.

#### ==NEAR MISS ==

- \* NONE

#### ==RIG SHORTAGE==

- \* NONE

#### ==RENTAL TOOL ==

- \* 4 3/4" HYDRO MECHANICAL JAR (DJ10-500-108) RECEIVED ON 2/26/2023 @ 00:15 HRS, P/U ON 2/27/2023 @ 1:00 HRS.

#### ==DIRECTIONAL==

- \* SLB UNIT AND MWD CREW ON LOCATION

#### ==GDD COST OPTIMIZATION==

- \* FRAC TANKS: NONE.

- \* KILL MUD: 1000 BBLS 130 PCF RHELIANT OBM

- \* RECEIVED 500 BBLS 80 PCF MUD CAP FROM NBR-196S.

- \* RECEIVED 2800 BBLS 85 PCF MUD CAP FROM DPS-5.

- \* RECEIVED 500 BBLS 86 PCF MUD CAP FROM NBR-654S.

- \* RECEIVED 400 BBLS 120 PCF WBM FROM ADES-173.

- \* RECEIVED 460 BBLS 120 PCF RHELIANT OBM FROM DPS-45.

- \* RECEIVED 900 BBLS 120 PCF RHELIANT OBM FROM ADES-889.

- \* RECEIVED 600 BBLS 98 PCF OBM FROM ADES-889.

- \* RECEIVED 800 BBLS 112 PCF OBM FROM ADC-31

- \* BACKLOADED 1500 BBLS OF 84 PCF WBM TO T-5969

- \* BACKLOADED 500 BBLS OF 115 PCF WDM TO SND 2010

- \* RECEIVED 250 BBLS 105 PCF OF RHELIANT OBM FROM SND-2008.

- \* BACKLOADED 560 BBLS OF 130 PCF RHELIANT OBM TO NBR-654

- \* RECEIVED 100 BBLS OF SLB 20% VDA ACID FROM ADC-34 ON 2/10/2023 @ 15:04 HRS.

#### ==VACUUM TANKERS==

- \* NONE

#### ==NEXT LOCATION==

\*HRDH-2355. LOCATION IS 100% READY AS PER WELLSITE SERVICES. VISITED SITE ON 2/13/2023. LINING OF OBM CUTTING PIT TO BE INSTALLED.

Remarks

Lateral	Survey MD		Angle	Azimuth	CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
115 PCF	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM
	74 SEC	1.8 HTHP	API	60	20	970 Volts	8 / 9	9 / 10				
0	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	RELIANT HRDH-853, HRDH-829
2	0	2	0	10	55	35	0	5.8				

MUD DATA	Weight <b>115</b>	Funnel Vis. <b>74</b>	Filtrate(WL) <b>1.8</b>	Filtrate (WL) API	PV <b>60</b>	YP <b>20</b>	Electrical Stability <b>970</b> Volts	3/6 RPM <b>8 / 9</b>	Gels Sec/Min <b>9 / 10</b>	PH	CA PPM	CL PPM																
	FL Temp <b>0</b>	Cake HTHP <b>2</b>	Cake API <b>0</b>	Water Vol. % <b>10</b>	Oil Vol. % <b>55</b>	Solids Vol. % <b>35</b>	Sand Vol. % <b>0</b>	% LGS <b>5.8</b>	MBT	Mud type <b>RELIANT</b>	Water Well # <b>HRDH-853, HRDH-829</b>																	
MUD TREATMENT																												
BIT DATA	Bit Number <b>7</b>	IADC <b>216</b>	Size <b>5.875</b>	Manufacturer <b>HTC</b>	Serial Number <b>Z275YT</b>	Type <b>RC216</b>	Jets <b>/</b>	TFA <b>13588</b>	MD In <b>13588</b>	MD Out	TVD Out																	
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP												
DRILL STRING	Float <b>N</b>																											
	BHA Hrs: <b>8</b>																											
	String Wt.	Pick Up	Slack Off	Rot. Torque			Jars: Serial #/Hrs			/ <b>4</b>	Shock	/	Mud	/														
	Sub:									/	Motor:	/																
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #												
	<b>1</b>	<b>Bit</b>			<b>HTC</b>	<b>5.875</b>	<b>1</b>	<b>5.875</b>	<b>0.58</b>	<b>3 1/2"Reg</b>						<b>Z275YT</b>												
	<b>2</b>	<b>Bit Sub</b>			<b>RIG</b>	<b>4.75</b>	<b>1</b>	<b>4.75</b>	<b>2</b>	<b>2.71</b>	<b>3-1/2"IF</b>	<b>3 1/2"Reg</b>				<b>A333M</b>												
	<b>3</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>4.75</b>	<b>6</b>	<b>4.75</b>	<b>2.38</b>	<b>179.25</b>	<b>3-1/2"IF</b>	<b>3-1/2"IF</b>				<b>2532</b>												
	<b>4</b>	<b>String Mill</b>			<b>SAM</b>	<b>7</b>	<b>1</b>	<b>5.84</b>	<b>2.25</b>	<b>5.66</b>	<b>3-1/2"IF</b>	<b>3-1/2"IF</b>				<b>WBS7-71603</b>												
	<b>5</b>	<b>Scraper</b>			<b>SAM</b>	<b>7</b>	<b>1</b>	<b>5.37</b>	<b>2.875</b>	<b>5.16</b>	<b>3-1/2"IF</b>	<b>3-1/2"IF</b>				<b>WBS7-71681</b>												
	<b>6</b>	<b>Crossover</b>			<b>RIG</b>	<b>4.57</b>	<b>1</b>	<b>4.57</b>	<b>2.75</b>	<b>3.52</b>	<b>XT-39</b>	<b>3-1/2"IF</b>				<b>1110</b>												
	<b>7</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>2.38</b>	<b>182.46</b>	<b>XT-39</b>	<b>XT-39</b>				<b>5567</b>												
	<b>8</b>	<b>Junk Basket</b>			<b>SAM</b>	<b>5.75</b>	<b>1</b>	<b>5.75</b>	<b>1.5</b>	<b>19.99</b>	<b>XT-39</b>	<b>XT-39</b>				<b>WBS7-81621X</b>												
	<b>9</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>4</b>	<b>16</b>	<b>4.75</b>	<b>2.38</b>	<b>486.47</b>	<b>XT-39</b>	<b>XT-39</b>				<b>55445</b>												
	<b>10</b>	<b>Hydro-Mechanical Jar</b>			<b>CTC</b>	<b>4.75</b>	<b>1</b>	<b>4.75</b>	<b>2.25</b>	<b>34.05</b>	<b>XT-39</b>	<b>XT-39</b>				<b>DJ10-500108</b>												
	<b>11</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>4</b>	<b>2</b>	<b>4.75</b>	<b>2.56</b>	<b>61</b>	<b>XT-39</b>	<b>XT-39</b>				<b>29123</b>												
	<b>12</b>	<b>Drillpipe</b>			<b>RIG</b>	<b>4</b>	<b>84</b>	<b>4</b>	<b>3.34</b>		<b>XT-39</b>	<b>XT-39</b>																
	<b>13</b>	<b>Crossover</b>			<b>RIG</b>	<b>4.87</b>	<b>1</b>	<b>4.87</b>	<b>2.5</b>	<b>1.61</b>	<b>3-1/2"IF</b>	<b>XT-39</b>																
	<b>14</b>	<b>Component Not listed</b>			<b>SAM</b>	<b>8.25</b>	<b>1</b>	<b>8.25</b>	<b>1.5</b>		<b>4-1/2"IF</b>	<b>3-1/2"IF</b>				<b>1805052-01</b>												
	<b>15</b>	<b>String Magnet</b>			<b>SAM</b>	<b>8.16</b>	<b>1</b>	<b>8.16</b>	<b>2</b>		<b>4-1/2"IF</b>	<b>4-1/2"IF</b>				<b>WBS9-101741</b>												
	<b>16</b>	<b>Junk Basket</b>			<b>SAM</b>	<b>8.25</b>	<b>1</b>	<b>8.25</b>	<b>2</b>	<b>19.95</b>	<b>4-1/2"IF</b>	<b>4-1/2"IF</b>				<b>WBS9-101614</b>												
	<b>17</b>	<b>Crossover</b>			<b>RIG</b>	<b>6.88</b>	<b>1</b>	<b>6.88</b>	<b>3</b>	<b>2.81</b>	<b>XT-54</b>	<b>4-1/2"IF</b>				<b>16882</b>												
	<b>18</b>	<b>Drillpipe</b>			<b>RIG</b>	<b>5.5</b>	<b>1</b>	<b>5.5</b>	<b>4.67</b>	<b>1</b>	<b>XT-54</b>	<b>XT-54</b>																
Miscellaneous	BOP Test <b>02/26/2023</b>	BOP Drills <b>WEEKLY</b>	Wind <b>SEASONAL</b>	Sea <b>NA</b>	Weather <b>NORMAL</b>	DSLTA		Safety Meeting <b>DAILY OPERATIONS &amp; HSE ALERTS.</b>																				
	Real-Time Data Quality			Sensors Quality			<b>78%</b>	Data Frequency			<b>100%</b>	Real-Time Hrs			<b>11.48/24 hrs</b>													
Personnel and Services Information	COMPANY		BLH	WCR	SDM	RIG	EMC	SMI	CTC	SDM	RO1	RIG	ARM	MI2	OTH	ARM	SAM	GEP										
	CATEGORY		LHES	CSR	DPDS	RIG	DFMS	DFMS	JST	LWD	MLS	OTHR	OTHR	SCS	VAC	WSC	WBCS	WHES										
	NO. OF PERSONS		2	2	2	41	2	1	0	1	4	25	3	2	0	1	2	1										
	OPERATING HRS.		12	12	0	12	12	12	4	0	12	12	24	0	0	24	12	12										
	ON LOCATION HRS.		24	24	24	24	24	24	0	24	24	24	24	24	0	24	24	24										
Trucks/Boats	Standby/Tankers <b>AB-6320 PICK UP</b>		<b>1 X SANAD AMBULANCE</b>			<b>1 X NESR CMT TRIPODS</b>																						
BULK	Drill Wtr.-BBLS		Pot Wtr.- BBLS		Fuel- BBLS <b>754</b>		Barite- SX <b>129</b>		Bentonite - SX <b>25</b>		Cement G- SX <b>200</b>																	
REPAIR ASAP	Instrumentation		Other												Reporter													
Computer, Communication & V-Sat Issues																												

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Total  
**89**

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>UTMN-3191 (K-1 PRE-SET DEVIATED TARGETING KHUFF B)</b>	Rig <b>NBR- 196S</b>	Foreman(s) <b>DAECHSEL, EDWARD JAMES/ HUSSIEN, IBRAHIM HASAN/</b>
	Charge #: <b>(66- 22057- #: 3191)</b>	Engineer Superintendent	<b>ROJAS BRITO, JOSE OCTAVIO/ MOUSA, NEDAL ADEL</b>
	Wellbores: (0) UTMN_3191_0	THURAYA <b>882-167-771-2724</b>	RIG FORMAN VSAT <b>013-577-1102</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>12345</b>	<b>CONTINUE TO RUN 4 1/2" UPPER COMPLETION W/BAKER S-3 PACKER/SEAL ASSEMBLY, SLICKLINE DRIFT AS REQUIRED, SLICKLINE PRR PLUG SET.</b>	<b>SET S-3 PKR, SHEAR, SPACEOUT, PICKLE 4 1/2" TBG, DISPLACE T/70PCF NaCl/CACL2 FINAL BRINE, LAND/LOCK, S/L RETRIEVE PRR PLUG, INTERWELL/BPV, L/D LAND JT, N/D BOPS</b>	<b>UTMN-3191</b>	<b>59.3 (12/29/2022@2200)</b>	<b>SUDR 11262 16' LOW SDDM 11554 22' LOW KFAC 12022 40' LOW.</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>12345</b>	<b>4 1/2</b>	<b>11162</b>	<b>12342</b>	<b>11918</b>	<b>9 5/8</b>	<b>10298</b>	<b>10298</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
<b>02.2</b>	<b>0500 - 0715</b>	<b>0</b>		<b>C</b>	<b>COMP</b>	<b>RPCS</b>	<b>UPCOM</b>	<b>ITS</b>	<b>12345</b>	<b>12345</b>	<b>4572</b>	<b>6335</b>	<b>CONTINUE TO RUN 4 1/2" 13.5# VM95 HCSS UPPER COMPLETION STRING/BAKER S-3 PACKER/SEAL ASSEMBLY W/ITS. 16JTS/HR.</b>			
<b>01.2</b>	<b>0715 - 0830</b>	<b>0</b>		<b>C</b>	<b>COMP</b>	<b>DTU</b>	<b>DRFT</b>	<b>EX1</b>	<b>12345</b>	<b>12345</b>			<b>PJSM. RIG UP EXPRO SLICKLINE LUBRICATOR/W/L BOP, PT T/500PSI. RUN 3.795" DRIFT T/4,500'. R/D SLICKLINE.</b>			
<b>03.0</b>	<b>0830 - 1130</b>	<b>0</b>		<b>C</b>	<b>COMP</b>	<b>RPCS</b>	<b>UPCOM</b>	<b>ITS</b>	<b>12345</b>	<b>12345</b>	<b>6335</b>	<b>8665</b>	<b>CONTINUE TO RUN 4 1/2" 13.5# VM95 HCSS UPPER COMPLETION STRING/BAKER S-3 PACKER/SEAL ASSEMBLY W/ITS. 20JTS/HR.</b>			
<b>01.5</b>	<b>1130 - 1300</b>	<b>0</b>		<b>C</b>	<b>COMP</b>	<b>DTU</b>	<b>DRFT</b>	<b>EX1</b>	<b>12345</b>	<b>12345</b>			<b>PJSM. RIG UP EXPRO SLICKLINE LUBRICATOR/W/L BOP, PT T/500PSI. RUN 3.795" DRIFT T/6,300'. R/D SLICKLINE.</b>			
<b>00.5</b>	<b>1300 - 1330</b>	<b>0</b>		<b>C</b>	<b>COMP</b>	<b>RPCS</b>	<b>UPCOM</b>	<b>ITS</b>	<b>12345</b>	<b>12345</b>	<b>8665</b>	<b>8727</b>	<b>MAKEUP R NIPPLE/FLOW COUPLING ASSEMBLY &amp; ONE JOINT OF 4 1/2" TUBING.</b>			
<b>00.5</b>	<b>1330 - 1400</b>	<b>0</b>		<b>C</b>	<b>COMP</b>	<b>DTU</b>	<b>DRFT</b>	<b>EX1</b>	<b>12345</b>	<b>12345</b>			<b>PJSM. RIG UP EXPRO SLICKLINE LUBRICATOR/W/L BOP, PT T/500PSI. RUN 3.688" DRIFT 150'. R/D SLICKLINE.</b>			
<b>03.5</b>	<b>1400 - 1730</b>	<b>0</b>		<b>C</b>	<b>COMP</b>	<b>RPCS</b>	<b>UPCOM</b>	<b>ITS</b>	<b>12345</b>	<b>12345</b>	<b>8727</b>	<b>11141</b>	<b>CONTINUE TO RUN 4 1/2" 13.5# VM95 HCSS UPPER COMPLETION STRING/BAKER S-3 PACKER/SEAL ASSEMBLY W/ITS. 18JTS/HR.</b>			
<b>01.2</b>	<b>1730 - 1845</b>	<b>0</b>		<b>C</b>	<b>COMP</b>	<b>DTU</b>	<b>DRFT</b>	<b>EX1</b>	<b>12345</b>	<b>12345</b>			<b>PJSM. RIG UP EXPRO SLICKLINE LUBRICATOR/W/L BOP, PT T/500PSI. RUN 3.795" DRIFT 2460', TAGGED F. COUPLING. R/D SLICKLINE.</b>			
<b>00.8</b>	<b>1845 - 1930</b>	<b>0</b>		<b>C</b>	<b>COMP</b>	<b>LDP</b>	<b>STRG</b>	<b>ARM</b>	<b>12345</b>	<b>12345</b>	<b>11141</b>	<b>11186</b>	<b>CONTINUE TO RUN 4 1/2" 13.5# VM95 HCSS UPPER COMPLETION STRING/BAKER S-3 PACKER/SEAL ASSEMBLY W/ITS TILL TAGGED BTM OF TBR. ** L/D 1 JOINT &amp; P/U 5.8' PUP JT, P/U STRG 3' OFF BTM.</b>			
<b>09.5</b>	<b>1930 - 0500</b>	<b>0</b>		<b>C</b>	<b>COMP</b>	<b>DTU</b>	<b>DRFT</b>	<b>EX1</b>	<b>12345</b>	<b>12345</b>			<b>PJSM. RIG UP EXPRO SLICKLINE LUBRICATOR/W/L BOP, PT T/500PSI. ** RUN#1 SLICK LINE BRUSH TILL 11129', WORK ON R- NIPPLE BELOW PACKER. ** RUN#2 SLICK LINE 3.688" PR PLUG, SET @ 11129', R- NIPPLE BELOW PACKER. ** RUN#3 SLICK LINE CHECK SET. ** RUN#4 SLICK LINE PRONG SET INSIDE PR PLUG @ 11129', R- NIPPLE BELOW PACKER.</b>			

UTMN-3191 IS PLANNED AS A K-1 "J" SHAPED DEVIATED PRE-SET WELL TARGETING KHUFF B. THE WELL WILL BE COMPLETED WITH A 4 1/2" 10K CEMENTED LINER.

\*\* ARAMCO PDP FOREMAN DOSARI, ABDULAZIZ N #808941 ON DAYS OFF 02/25/23.

\*\* ARAMCO RIG CLERK YAHYA ABDULFAZAL ON LOCATION 02/11/23.

\*\* ARAMCO RIG CLERK MOHAMMED ELBESHER ON LOCATION 02/26/23.

\*\* ARAMCO FCT MOHAMMED AL SHEHRI #791379 ON DAYS OFF 02/20/23.

\*\* OES MUD ENGINEER ON LOCATION.

\*\* SANAD PERSONNEL SHORTAGE.

#### =====STAGING AREAS=====

\*\* STAGING AREA #1- 25.3762702, 49.2894101

\*\* STAGING AREA #2- 25.351010, 49.308477

\*\* TWO STATION PERIMETER H2S MONITORS INSTALLED ON WEST SIDE OF LOCATION/UTMN-1187 ADJACENT OIL WELL.

#### =====HSE=====

\*\* DAILY PRE-TOUR MEETING CONDUCTED WITH BOTH RIG CREWS.

\*\* OBSERVATIONS: 10 EA.

\*\* NEAR MISS: 0

\*\* DRILLS: 2 X PIT; 2 X TRIP.

\*\* SWA: 1.

\*\* SAUDI ARAMCO & SANAD HSE ALERTS & INCIDENTS:

\*\* HSE ALERTS: HSE ALERT 20-23 HAND INJURY WHILE USING IRON ROUGHNECK, HSE ALERT 21-23 FALL FROM DIFFERENT LEVELS DURING RIG MOVE,

HSE ALERT 22-23 AUXILIARY CYLINDER FRAME DAMAGE WHILE LOWERING THE MAST, HSE ALERT 23-23 WINDY WEATHER INCIDENT.

=====FLAT TIME/KPI=====

\*\* RIG MOVE KPI: 9.94 DAYS, ACTUAL 9.90.  
 \*\* DP TRIPPING KPI: 19 STDS/HR/ ACTUAL 21.  
 \*\* 36" CSG KPI: .1JTS/HR/ ACTUAL 1 JT/HR.  
 \*\* 30" CSG KPI: 3JTS/HR/ ACTUAL 3 JTS/HR.  
 \*\* 24" CSG KPI: 4JTS/HR/ ACTUAL 7 JTS/HR.  
 \*\* 18 5/8" CSG KPI: 7JTS/HR/ ACTUAL 11.28 JTS/HR.  
 \*\* 13 3/8" CSG KPI: 11.5JTS/HR/ ACTUAL 15.5.  
 \*\* 9 5/8" CSG KPI: 14JTS/HR/ ACTUAL 15JTS/HR.  
 \*\* 7" LINER KPI: 14JTS/HR/ ACTUAL 14.7 JTS/HR.  
 \*\* 4 1/2" UPPER COMPLETION KPI: 13.5JTS/HR/ ACTUAL 16JTS/HR.  
 \*\* INSTALL 24" X 26 3/4" 3M WELLHEAD KPI: 5HRS/ ACTUAL 5HRS.  
 \*\* INSTALL 26 3/4" WELLHEAD KPI: 4HRS/ ACTUAL 4.  
 \*\* INSTALL 13 5/8" WELLHEAD KPI: 4HRS/ ACTUAL 3.5.  
 \*\* INSTALL 11" WELLHEAD KPI: 3.5HRS/ACTUAL 3.5.

=====CASING SETTING DEPTHS=====

\*\* 42" SECTION: 100' 36" CONDUCTOR/ ACTUAL 100'.  
 \*\* 34" SECTION: 638' (50' INTO RUS FORMATION)/ ACTUAL 600'.  
 \*\* 28" SECTION: 2,561' (50FT INTO AHMADI FORMATION)/ ACTUAL 2,575'.  
 \*\* 22" SECTION: 4,728' (50FT INTO MID THAMMA)/ ACTUAL 4,422' = 512' INTO BIYADH.  
 \*\* 16" SECTION: 7,003' (10' INTO BASE ARAB D FORMATION)/ ACTUAL 7,244' = 250' INTO BADR.  
 \*\* 12" SECTION: 10,332' (30' INTO BASE JILH DOLOMITE)/ ACTUAL 10,310'. 30' INTO BJDM.  
 \*\* 8 3/8" SECTION: 11,938'MD (10'TVD INTO KHUFF FORMATION)/ ACTUAL 11,975'.  
 \*\* 5 7/8" SECTION: 12,253'MD (30' TVD INTO KHUFF BC)/ ACTUAL 12,345'MD.

=====DIESEL FOR MUD=====

\*\* DIESEL FOR MUD- 14 BBLS (DAILY CONSUMPTION- 86 BBLS)

\*\* NOTE WATER PIT ONLY UTILIZED BETWEEN 1/4 TO 1/2 CAPACITY TO MINIMIZE WATER USAGE WHILE DRILLING.

=====WELLSITE CONTRACTOR EQUIPMENT ON LOCATION=====

=====FUTURE LOCATION=====

\*\* NEXT LOCATION: UTMN-3162. CONSTRUCTION 95% COMPLETE FOREMAN VERIFIED AS OF 2/26/2023.

Remarks

**DE BILAL TARIQ#727284 ON LOCATION FOR UPPER COMPLETION RUN.**

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS	
MUD DATA	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	0	CL PPM	360000		
	106 PCF	32 SEC	0 HTHP	API	1	0	0 Volts	0 / 0	0 / 0	0	Water Well #					
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	CACLBR	UTMN-761, UTMN-3525				
	70	0	0	78	0	22	0	0	0	7	CA PPM	0	CL PPM	360000		
MUD TREATMENT	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	0	Water Well #			
	106 PCF	32 SEC	0 HTHP	API	1	0	0 Volts	0 / 0	0 / 0	7	CA PPM	0	CL PPM	360000		
BIT DATA	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	CACLBR	UTMN-761, UTMN-3525				
	70	0	0	78	0	22	0	0	0	0	CA PPM	0	Water Well #			
DRILL STRING	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out					
	14	M442	3.625	SEC	13791109	MMD53DH / X /	12345	12345								
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
Miscellaneous			8	60	0	1	BT	G	X	1	2000	200	-286.51	-82.93	0	
	Float	Y														
	BHA Hrs:															
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #	String Wt.	Pick Up	Slack Off		Rot. Torque		Jars:	/	Shock	/	50	Mud	/	Motor:	/	
	270	280	265		2000		Serial #/Hrs	/	Sub:	/						
Real-Time Data Quality Sensors Quality 71% Data Frequency 100% Real-Time Hrs 10.73/24 hrs	BOP Test	BOP Drills		Wind	SEASONAL		Sea	Weather	SEASONAL		DSLTA	Safety Meeting			DAILY/TOURLY	
	02/15/2023	WEEKLY			SEASONAL				SEASONAL							
	Real-Time Data Quality	Sensors Quality		71%	Data Frequency		100%	Real-Time Hrs		10.73/24 hrs						
Personnel and Services Information	COMPANY	ITS	TGC	BC	RIG	OES	SMI	BFL	RUE	RIG	ARM	EX1	ARM	SJC	GEP	Total 104
	CATEGORY	CSR	CTRG	PSSC	RIG	DFMS	DFMS	FILT	H2S	OTHR	OTHR	SLS	WSC	PCS	WHES	
	NO. OF PERSONS	5	16	1	43	1	1	4	1	19	3	3	2	4	1	
	OPERATING HRS.	24	0	24	24	12	12	12	12	12	12	24	24	4	0	
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24	24	16	12	
Trucks/Boats	Standby/Tankers AB 5350	NABORS AMBULANCE		NABORS BUS		NABORS PICKUP										
BULK	Drill Wtr.-BBLS 0	Pot Wtr.- BBLS 150		Fuel- BBLS 496		Barite- SX 0		Bentonite - SX 0		Cement G- SX 0						
REPAIR ASAP	Instrumentation Computer, Communication & V-Sat Issues														Reporter	

Date <b>MONDAY</b> 02/27/2023	Well No (Type) : <b>JRBT-8</b> <b>(EVALUATION, RE-ENTRY WITH PILOT HOLE AND TRI-LATERAL SECTIONS.)</b>	Rig <b>NBR-210S</b>	Foreman(s) Engineer Superintendent <b>GILL, QASWAR HUSSAIN/ ALQARNI, ABDULKARIM MOHAMMED/ SUKAIKI, AHMED ZUHAIR/ ABHAS, MUHAMMAD NASSER</b>
	Charge (71- 23071-#: <b>0008</b> )	THURAYA <b>8821677712188</b>	RIG FORMAN VSAT <b>577-3954 FOREMAN</b>
	Wellbores: (0) JRBT_8_0	OTHER VSAT <b>577-9360 SAFETY ADVISOR</b>	CONTRACTOR/CLERK VSAT <b>577-3978 CLERK</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>15000</b>	<b>GENERAL RIGGING UP, ARAMCO PRECOMMENCE SAFETY AUDIT.</b>	<b>GENERAL RIGGING UP, ARAMCO PRECOMMENCE SAFETY AUDIT.</b>	<b>70KM AFTER AL-NUAIRYIA CITY, TAKE EXIT TO AL-ALYIA VILLAGE BRIDGE, AFTER BRIDG LEFT 43KM SKID ROAD</b>	<b>0.0 (@)</b>	
Prev. Depth <b>15000</b>	Liner Size <b>7</b>	TOL <b>7350</b>	MD <b>12197</b>	TVD <b>12197</b>	Last Csg Size <b>9 5/8</b>
				MD <b>7860</b>	TVD <b>7860</b>
				Footage <b>0</b>	Circ % <b>0</b>

Hrs (From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations	
								Start	End	Start	End		
24.0	0500 - 0500	0		N	SUSP	OTH	NA	RIG	15000	15000			<b>STAND UP SAFETY MEETING WITH RIG CREW ABOUT RIGGING UP, WORK AT HT, STOP WORK AUTHORITY.</b> <b>ARAMCO SAFETY ADVISOR STARTED THE PRE-COMMENCE AUDIT / INSPECTION. CONDUCTED PRECOMMENCE AUDIT SAFETY MEETING WITH ALL SENIORS AT NBR-210S.</b> <b>REVIEW WITH EACH SENIOR HIS WORK SCHEDULE AUDIT AND RESPONSIBILITIES.</b>  <b>&gt;&gt; WORK ON ALL OPEN AUDIT ITEMS TO CLOSE AS PER ARAMCO REQUIREMENT.</b> <b>&gt;&gt; WORKING ON PRECOMMENCEMENT INSPECTION SAFETY CHECK LIST IN PROGRESS</b>  <b>&gt;&gt; JRBT-008 WELL HEAD COVERED WITH SANDS, CLEANED CELLAR AND TOOK PICTURES SENT TO TOWN</b>  <b>&gt;&gt; R/D: 100%</b> <b>&gt;&gt; R/M: 100%</b> <b>&gt;&gt; R/U: 100%</b>

**>> ODF CORRECTION: -2.00FT**

#### ===== FORWARD OPERATION PLAN =====

**>> RIGGING UP AND WORK ON SPUD IN CHECKLIST.**

**>> RIG SAFETY AUDIT FOR PRE-COMMENCEMENT INSPECTION.**

#### ===== QHSE =====

**SAFETY MEETING TOPIC DISCUSSED: MANUAL HANDLING HAZARD**

**HSE ALERT DISCUSSED: HSE ALERT 21-23 - FALL FROM DIFFERENT LEVELS DURING RIG MOVE**

**TOTAL # OF PTW: 6**

**COLD PTW: (4), HOT WORK: (1); LIFTING PERSONNEL : (1)**

**JSA/SAFETY OBSERVATIONS/STOP WORK AUTHORITY:**

**JSA: (8); OBS: (10); SWA: (3)**

**DRILLS (1)**

**STOP WORK AUTHORITY (1)**

**NEAR MISS /INCIDENT REPORT: (0)**

#### ===== ARAMCO PERSONNEL =====

**>> ARAMCO SAFETY ADVISOR YAROSLAV YARYSH 8104393 ON LOCATION ARRIVED AT LOCATION 02/22/202**

**>> ARAMCO MATERIAL EXPDT. MOHAMMED KHAMIS ARRIVED ON LOCATION ON 02/24/2023**

#### ===== THIRD PARTY PERSONNEL/EQUIPMENT =====

**>> OES MUD ENGINEER ON LOCATION.**

#### ===== WINDOW & DIRECTIONAL DATA =====

**>> 8-3/8" CH WINDOW TOP @ XXXX FT & WINDOW BOTTOM @ XXXX FT.**

#### ===== MISCELLANEOUS & OTHER WELLS =====

**>> RADIO COMMUNICATION NOT AVAILABLE WITH DH DRLG ECC - REMOTE AREA. DAILY PHONE CALL CONFIRMATION.**

**>> WATER WELL : JRBT - 804.**

**>> RIG NBR-210S RKB : 28.00FT, PREVIOUS RIG ADES-157 RKB = 30.00FT.**

**>> PREVIOUS WELL JAHM-0005: WELL-SITE CLEAN IN PROGRESS.**

**>> NEXT WELL: NOT ASSIGNED YET.**

#### ===== WATER / VACCUM TANKERS =====

**>> 2 WATER TANKERS ON LOCATION DRSS# 1003845593 ON LOCATION FROM 02/17/2022.**

**TRACTOR #: 7847/ 2280, TRALER #: 307 / 335, PLATE # 2280-EDA/ 7847-EDA**

**>> DRILL WATER DELIVERED TO RIG DAILY BY 2 TANKERS 8 LOADS**

**Remarks**

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
MUD DATA									
MUD TREATMENT									
BIT DATA									
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread Bottom Thread Weight Grade Class Serial #
Miscellaneous	BOP Test	BOP Drills		Wind	Sea	Weather	DSLTA	Safety Meeting	EVERY TOUR
				WINDY	N/A	COLD			
		COMPANY	SWK	RIG	OES	SMI	RIG	ARM	ARM

Personnel and Services Information	CATEGORY	CTR G	RIG	DFMS	DFMS	OTHR	OTHR	WSC	Total <b>69</b>
	NO. OF PERSONS	15	44	1	2	3	2	2	
	OPERATING HRS.	0	12	12	12	12	12	12	
	ON LOCATION HRS.	24	24	24	24	24	24	24	
	Trucks/Boats	Standby/Tankers <b>ARAMCO TRUCK AB-5183</b>	2 EA RAW WATER TRUCKS AL-SHUREI	CAMP DIESEL 50.11 BBLS	ARAMCO GASOLINE 70.6 BBLS	ARAMCO MUD DISESL 386 BBLS			
BULK	Drill Wtr.-BBLS <b>120</b>	Pot Wtr.- BBLS <b>120</b>	Fuel- BBLS <b>467</b>	Barite- SX	Bentonite - SX	Cement G- SX			
REPAIR ASAP	Instrumentation Computer, Communication & V-Sat Issues	Other							Reporter

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Date <b>MONDAY</b> 02/27/2023	Well No (Type): <b>HRDH-2349</b> <b>(K2 S SHAPE 150 FT INTO UNZ-C)</b> Charge #: <b>(66- 22058- 2349)</b> Wellbores: (0) HRDH_2349_0	Rig <b>NBR-263S</b>	Foreman(s) <b>QUINTERO, EFRAIN FERNANDEZ/ KAOUA, ABDELKALEK/</b>		
		Engineer Superintendent	<b>ALFONZO BRICENO, LUANI ALEJANDRO/ NAJIM, KHALID YOUSEF</b>		
		THURAYA <b>8821677713915</b>	RIG FORMAN VSAT <b>673-2749</b>	OTHER VSAT <b>673-8847</b>	CONTRACTOR/CLERK VSAT <b>804-9622/804-9200</b>

Depth <b>0</b>	Last 24 hr operations <b>CONT. R/U ON HRDH-2349. PREPARE FOR NBR-263S "SANAD PRE-COMMISSIONING" ON RIG SITE.</b>	Next 24 hr plan	Location <b>RIG LOCATION IS ON YABRIN ROAD, 285 KM FROM DMG</b>	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops				
Prev. Depth <b>0</b>	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage <b>0</b>	Circ %

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations
									Start	End	
01.0	0500 - 0600	0		M	RM	PJSM	NA	RIG	0	0	<b>HOLD SAFETY MEETING WITH RIG CREW AND ALL PERSONNEL INVOLVED IN RIG UP / RIG MOVE OPERATION FOR SAFE WORK PRACTICES. DISCUSSED THE FOLLOWING:</b> * HAZARDS POTENTIAL & CONCERNED SAFETY ISSUES DURING R/U, LIFTING & MOVING OPERATIONS. * PROPER WAY OF LIFTING, WORK AT HEIGHT & USE THE CORRECT EQUIPMENT, SLINGS CERTIFIED AND COLOR CODED. * WORK PERMIT FOR EACH HEAVY LIFTING, ELECTRICAL & SIMILAR OPERATION. * WORKING WITH COLD WEATHER CONDITIONS & PRECAUTIONS. * STOP WORK AUTHORITY. PPE & HOUSEKEEPING. * GOOD SUPERVISION ALL THE TIME FROM RIG MOVE KEY AND RIG KEY PERSONNEL. * DISCUSSED HSE ALERT: 22-23 AUXILIARY CYLINDER FRAME DAMAGE WHILE LOWERING THE MAST.
23.0	0600 - 0500	0		M	RM	RM	NA	RIG	0	0	<b>GENERAL R/U ON HRDH-2349: R/D: 100%, R/M: 100% AND R/U 94%.</b>  <b>RIG MOVE ACTIVITIES:</b> - GENERAL RIG UP OPERATIONS ON HRDH-2349 AND MAINTENANCE ONGOING. - CONTINUED INSTALL MUD SYSTEM AND TEST IT IN NEW LOCATION HRDH-2349. - CONNECT FLARE LINES ON GOING. - MUD ENGINEER WORK ON MUD TANKS/CMT TANKS/CHEMICAL CHBS AND CHEMICALS YARD. - TROUBLE SHOOT IN TDS ON GOING.- - CONTINUE PREPARE FOR PRE COMMENCEMENT-CHECK LIST.  <b>RIG RELEASE:</b> - RIG RELEASE FROM QTIF-503 ON FEBRUARY. 06, 2023 @ 10:00 AM. - RIG MOVE DISTANCE FROM WELL QTIF-503 TO HRDH-2349: 377 KM. - DAYS SINCE RIG RELEASE: 20.8 DAY. - EXPECTED SPUD DATE @ 01 MARS. 2023 (23 DAYS MOVE).  <b>RIG MOVE DATA:</b> - DAILY LOADS: 0, TOTAL MOVED: 250, (ARRIVE ON NEW LOCATION 250), TOTAL LOADS TO BE MOVE: 250 LOADS. - MOVE DISTANCE: 377 KM - RIG MOVE EQUIP: 01 FORKLIFTS, 01 CRANE.  <b>INSPECTION CAT IV: FOR HANDLING EQUIPMENT ON GOING.</b>

**TO BE DRILLED AS K-2 DESIGN WELL TARGETING UNZA RESERVOIRS AS PRIMARY TARGET. BASED ON OH LOGS, THE WELL MIGHT BE COMPLETED WITH CEMENTED LINER OR SAND SCREEN.**

**ARAMCO PERSONNEL & VISIT**

- TAMER ALMAJID #8459376 MATERIAL EXPEDITOR ON LOCATION FROM 02/20/2023.
- ARJUN CHANDRAN #8055942 HSE ADVISOR ON LOCATION FROM 02/17/2023.

**SAFETY**

- CONDUCT DAILY SAFETY & PRE-TOUR MEETING, RIG MOVE OPERATION.
- SAFETY CAMPAIGN: CAMPAIGN #1 2023 - NOISE HAZARDS & PROTECTION. STOP WORK AUTHORITY, LIFE SAVING RULES (TRAFIC SAFETY & CONFINED SPACE), FINGER INJURY PREVENTION & LINE OF FIRE.
- SAFETY DRILLS: NONE.
- SWA: 5.
- SOC: 30.
- NEAR-MISS: NONE.
- INCD #: NONE.
- HSE ALERTS: HSE ALERT 20-23-HAND INJURY WHILE USING IRON ROUGHNECK, HSE ALERT 21-23- FALL FROM DIFFERENT LEVELS DURING RIG MOVE, HSE ALERT 22-23 AUXILIARY CYLINDER FRAME DAMAGE WHILE LOWERING THE MAST & HSE ALERT 23-23- WINDY WEATHER INCIDENT.

**SERVICE PERSONNEL & RENTAL EQUIP**

> OES MUD ENGINEER ON LOCATION SINCE 02/21/2023.

> HALLIBURTON CEMENT SILO ON LOCATION SINCE 02/19/2023.  
 > BAKER HUGHES WELLLINK TECHNICIAN ON LOCATION SINCE 02/25/2023.  
 > NEW 12" MIDAD SHOCK-SUB SN#ST5-1200-139 ON LOCATION SINCE 02/22/23 @ 11: 30 HRS.

=====DIRECTIONAL=====

=====RENTAL TOOLS & OTHERS =====

=====WATER FLOW-METER =====

=====THE RIG VISIT=====

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
MUD DATA									
MUD TREATMENT									
BIT DATA									
DRILL STRING									
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #									
Miscellaneous	BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting		
					SEASONAL		DAILY		
Real-Time Data Quality						No Transmission			
Personnel and Services Information	COMPANY	SWK	RIG	OES	TK2	RIG	ARM	ARM	Total 91
	CATEGORY	CTRG	RIG	DFMS	OTHR	OTHR	OTHR	WSC	
	NO. OF PERSONS	12	46	1	1	27	2	2	
	OPERATING HRS.	0	24	12	12	24	12	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers								
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX			
			220	0	0	0			
REPAIR ASAP	Instrumentation	Other							Reporter
	Computer, Communication & V-Sat Issues								

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Date	Well No (Type) :	Rig	Foreman(s)	
MONDAY 02/27/2023	UTMN-3077 (UTMN-3077 IS A PRESET WELL AND WILL BE DRILLED AS K-1 TO TOTAL DEPTH OF 12,289' MD / 11,410' TVD ) Charge (66- 21057- #: 3077) Wellbores: (0) UTMN_3077_0	NBR- 304S	FRYE, EDDIE LEE/ ALHAWTAH, YOUSEF HAMOUD/ ALDOSSARY, MAJED ABDULAZIZ/ Zahrani, NawaF MOHAMMED	
	THURAYA 0088-216-777-12718	RIG FORMAN VSAT 013-577-3905	OTHER VSAT 013-577-3919	FAX VSAT 013-875-6173
			CONTRACTOR/CLERK VSAT 013-875-7204	

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
6898	SHORT TRIP T/ SHOE WASH AND REAM ,WIPER TRIP T/ BOTTOM , CYCLE SWEEP AND CHC, SPOT CASING GO PILL , POOH	POOH, LAY DOWN BHA, TEST ANNULAR , RIG UP AND RUN 13-3/8" CASING , CIRC. AND CEMENT 13-3/8" CASING IN 2 STAGES	DISTANCE FROM DH 150 (KM)	26.4 (01/31/2023@2000)	AHMD 2055 83' DEEPER SFNY 2310 33' DEEPER SHUB 3125 53' DEEPER BYDH 3380 48' DEEPER MDTM 4190 17' DEEPER SULY 4750 64' DEEPER, PROJECTED HITH 5340 67' DEEPER, PROJECTED ABAR 5820 99' DEEPER, PROJECTED ABBR 5930 101' DEEPER, PROJECTED ABCR 6060 105' DEEPER, PROJECTED PADS 6265 97' DEEPER, PROJECTED ABDR 6310 PROJECTED BADR 6590 94' DEEPER, PROJECTED

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
6898					18 5/8	41774177		0	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
13.0	0500 - 1800 0	16	N	DRLG	RW	BIT	RIG	6898	6898	6368	4177	CONT. WIPE HOLE , TIGHT HOLE AND ERRATIC TORQUE WASH AND BACK REAM T/ 18-5/8" SHOE MONITOR HOLE FILL ON TRIP TANK	
01.0	1800 - 1900 0	16	N	DRLG	CIRC	MPMP	RIG	6898	6898			CIRC. HOLE CLEAN AT SHOE ** TRIP DRILL **	
00.5	1900 - 1930 0	16	N	DRLG	RR	TDS	RIG	6898	6898			SERVICE RIG AND TOP DRIVE SYSTEMS >> FLOW CHECK ( WELL STATIC )	
02.2	1930 - 2145 0	16	N	DRLG	ST	STDP	RIG	6898	6898	4177	6898	SHORT TRIP BACK T/ BOTTOM W/ 16" RDA ON 5-1/2" DRILL PIPE STANDS ( HOLE FREE ON ELEVATORS ) MONITOR DISP. ON TRIP TANK	
02.0	2145 - 2345 0	16	N	DRLG	CIRC	MPMP	RIG	6898	6898			CYCLE SWEEP AND CIRC. HOLE CLEAN	
01.2	2345 - 0100 0	16	N	DRLG	CIRC	MPMP	RIG	6898	6898			FLOW CHECK ( WELL STATIC ) PUMP AND SPOT CASING GO PILL	
03.5	0100 - 0430 0	16	N	DRLG	ST	STDP	RIG	6898	6898	6898	4177	POH W/ 12" RDA ON 5-1/2" D/P STANDS ( HOLE FREE ON ELEVATORS ) MONITOR HOLE FILL ON TRIP TANK	
00.5	0430 - 0500 0	16	N	DRLG	CIRC	MPMP	RIG	6898	6898			FLOW CHECK @ SHOE ( WELL STATIC ) > PUMP SLUG ** TRIP DRILL **	

UTMN-3077 IS A PRESET WELL AND WILL BE DRILLED AS K-1 TO TOTAL DEPTH OF 12,289' MD / 11,410' TVD WITH MAXIMUM INCLINATION OF 65 DEGREES AND 60 DEGREE AZIMUTHAL DIRECTION.

=====ARAMCO PERSONNEL=====

\* ABDULMAJEED ALHARBI # 740167 GDD FCT ON LOCATION 2-15-23

\* ARAMCO PDP FERAS ALMULHIM,894006 OFF LOCATION 2-22-23

\* ARAMCO FOREMAN ANAS ALSAIKH 813226 OFF LOCATION 2-17-23

=====SERVICE COMPANYS ON LOCATION=====

\* MI-SWACO CUTTINGS DRYER- ON LOCATION 9-1-22

\* EMEC MUD ENGINEER ON LOCATION.

\* KASAB VERTICAL MWD ON LOCATION 2-19-23

\* SAMMA ENGINEER ON LOCATION 2-20-23

\* TAQA CEMENTING CREW AND EQUIP. ON LOCATION 2-26-23

\* FRANKS CASING RUNNING TOOLS AND EQUIP. ON LOCATION 2-26-23

\* DELTA W/H ENG. ON LOCATION 2-26-23

\* WEATHERFORD DV ENG. ON LOCATION 2-26-23

=====HSE=====

PRE TOUR: TRIPPING PIPE - GOOD COMMUNICATION, PROPER BODY MECHANICS/ LIFTING TECHNIQUE. WATCH OUT FOR HAND AND FINGER PLACEMENT/ PINCH POINTS.

ENFORCEMENT OF STOP WORK AUTHORITY - DO NOT MAKE SHORT CUTS. STAY FOCUSED ON JOB/ TASK ON HAND.

HOUSEKEEPING, REMOVE UNUSED TOOLS/EQUIPMENT FROM RIG FLOOR. USE OF THE RIGHT TOOL FOR THE JOB,

MUST WEAR FACE SHIELD WHILE USING WASH GUN FOR CLEANING. USE OF SIGNALMAN VEST FOR LIFTING OPERATIONS. UTILIZATION OF TAG LINES ON LOADS.

PTW, REVIEW JSA, PJSM/TBT PRIOR TO START OF THE JOB. ENSURE PERSONNEL UNDERSTAND THE JOB STEPS AND HAZARDS INVOLVED.

ARAMCO LIFE SAVING RULES / DRILLING CONTRACTORS KEY HSE FOCUS AREAS CAMPAIGN - D&WO 116-2022 HSE PERFORMANCE CONCERNS, HSE FOCUS AREAS CAMPAIGN (8 KEY ELEMENTS) - GDD / JAN 2023 - DHSELI PRESENTATION

GDD HSE CAMPAIGN DAILY SAFETY TOPICS REVIEW: ELECTRICAL SAFETY

ALL INCIDENTS/NEAR MISS SHALL REPORT IMMEDIATELY TO THE SANAD MANAGEMENT & ARAMCO DRILLING FOREMAN UPON ITS OCCURRENCE AND SHALL BE REPORTED IN SLS WITHIN 24 HRS. HSE ALERT 37-14 REPORT ALL INCIDENTS PROMPTLY. HSE ALERT 52-18 LTI NOT REPORTED

SANAD OFF-JOB SAFETY AWARENESS CAMPAIGN / OFF JOB INJURY AWARENESS

SANAD: SLIPS AND TRIPS HAZARD PREVENTION / JOURNEY MANAGEMENT / HAND AND FINGER INJURY PREVENTION CAMPAIGN

STATION BILL - CREW DUTIES AND RESPONSIBILITIES DURING BOP-WELL CONTROL SCENARIO.

HIERARCHY OF CONTROLS. CREW TO REVIEW JSA AND USE IT AS A BASIS FOR TBT/ PJSM.

**PROCEDURE TOPIC OF THE WEEK**
**SAFETY ALERTS:**

NEAR MISS TODAY: 0

NEAR MISS THIS WEEK: 0

NEAR MISS YTD: 13

DRILLS: TRIP DRILL X 2

**CROWN AND FLOOR SAVER DEVICES CHECKED EACH TOUR**
**IMPLEMENTING CLOSED LOOP DRILLING PRACTICE**
**=====AUDITS=====**

\* NO OPEN ITEMS FROM 2022

\* 1ST QUARTER 3MCI 30 FINDINGS 0 OPEN ITEMNS

**=====JARS=====**

&gt; NOV 9-1/2" HMJ CW-3123312-1 ON LOCATION 2-19-23 IN HOLE 2/21/2023 AT 15:00 OUT OF HOLE 2-27-23 @ XX:XX

&gt; SAMMA PBL SUB NOR950BP56 AND WES950BP280 ON LOCATION 2-19-23 IN HOLE 2-21-23

**=====DIESEL CONSUMPTION=====**

&gt; DAILY DIESEL CONSUMPTION FOR RIG ENGINES (RIG = CAMP): 71 BBLS

&gt; CUMULATIVE DIESEL CONSUMPTION PER WELL = BBLS SINCE RIG RELEASE = 1501 BBLS

**=====VAC TANKERS AND CONSTRUCTION EQUIP.=====**

DRSS 1003835311 DOOR # 4523

**=====COST OPTIMIZATION=====**

\* 2 SLB FRAC TANKS ON LOCATION 2-16-23

\* ACID FOR STUCK PIPE NONE

\* SLB BULK SILOS ON LOCATION SINCE 1-31-23

Remarks

Lateral	Survey MD			Angle	Azimuth		CLength		TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS					
MUD DATA	Weight <b>92</b>	PCF	Funnel Vis. <b>55</b>	SEC	Filtrate(WL) <b>0</b>	HHTP	Filtrate (WL) API	<b>32</b>	YP <b>21</b>	Electrical Stability <b>0</b>	Volts	<b>8 / 9</b>	Gels Sec/Min <b>9 / 14</b>	PH <b>9</b>	CA PPM <b>440</b>	CL PPM <b>0</b>						
	FL Temp <b>100</b>		Cake HHTP <b>0</b>		Cake API <b>2</b>		Water Vol. % <b>84</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>16</b>	Sand Vol. % <b>0.3</b>	% LGS	MBT	Mud type <b>NCPOL</b>	Water Well # <b>UTMN-908, UTMN-913</b>	CA PPM							
	Weight <b>92</b>	PCF	Funnel Vis. <b>58</b>	SEC	Filtrate(WL) <b>0</b>	HHTP	Filtrate (WL) API	<b>32</b>	YP <b>24</b>	Electrical Stability <b>0</b>	Volts	<b>8 / 9</b>	Gels Sec/Min <b>9 / 14</b>	PH <b>10.5</b>	CA PPM <b>440</b>	CL PPM <b>0</b>						
	FL Temp <b>100</b>		Cake HHTP <b>0</b>		Cake API <b>2</b>		Water Vol. % <b>84</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>16</b>	Sand Vol. % <b>0.3</b>	% LGS	MBT	Mud type <b>NCPOL</b>	Water Well # <b>UTMN-908, UTMN-913</b>	CA PPM							
	CAUST 4(55LB)	PACLV 12(50LB)																				
BIT DATA	Bit Number <b>4</b>	IADC <b>M323</b>	Size <b>16</b>	Manufacturer <b>HTC</b>	Serial Number <b>7916886</b>	Type <b>DD607XV1</b>	Jets <b>/ 10 X 13 /</b>	TFA <b>1.296</b>	MD In <b>4180</b>	MD Out <b>6898</b>												
	Feet Hours	WOB	RPM	I-Row O-Row	DC Loc	B G	Pressure GPM	Jet Vel DP Av	DC Av	Bit HHP												
DRILL STRING	Float <b>Y</b>																					
	BHA Hrs: <b>84</b>																					
	String Wt.	Pick Up	Slack Off			Rot. Torque				Jars: Serial #/Hrs			<b>84</b>	Shock Sub: <b>/</b>	Mud Motor: <b>/</b>	<b>/</b>						
	Order	Component				Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #					
	<b>1</b>	Bit				<b>HTC</b>	<b>16</b>	<b>1</b>	<b>16</b>	<b>3.5</b>	<b>1.65</b>	<b>7-5/8" REG</b>	<b>NA</b>				<b>7916886</b>					
	<b>2</b>	Near Bit Roller Reamer				<b>RIG</b>	<b>16</b>	<b>1</b>	<b>9.437</b>	<b>3.065</b>	<b>9.48</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>	<b>217</b>			<b>824233</b>					
	<b>3</b>	Measurement While Drilling (MWD)				<b>TEL</b>	<b>9.5</b>	<b>2</b>	<b>9.5</b>	<b>3.5</b>	<b>27.84</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>	<b>217</b>			<b>P852/P1012</b>					
	<b>4</b>	Roller Reamer				<b>RIG</b>	<b>16</b>	<b>1</b>	<b>9.875</b>	<b>3.065</b>	<b>8.32</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>	<b>217</b>			<b>130015843</b>					
	<b>5</b>	PBL (Multiple Activation By Pass)				<b>SAM</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>1.5</b>	<b>8.66</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>	<b>217</b>			<b>WES950BP280</b>					
	<b>6</b>	Pony Collar				<b>RIG</b>	<b>9.437</b>	<b>1</b>	<b>9.437</b>	<b>3</b>	<b>14.69</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>	<b>217</b>			<b>HDH30752</b>					
	<b>7</b>	Roller Reamer				<b>RIG</b>	<b>16</b>	<b>1</b>	<b>9.437</b>	<b>2.875</b>	<b>7.22</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>	<b>217</b>			<b>HDH03112458</b>					
	<b>8</b>	Drillcollar				<b>RIG</b>	<b>9.5</b>	<b>9</b>	<b>9.5</b>	<b>2.875</b>	<b>270.12</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>	<b>217</b>			<b>ON FILE</b>					
	<b>9</b>	Hydraulic Jar				<b>NOJ</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>2.125</b>	<b>25.8</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>	<b>217</b>			<b>CW3123312-1</b>					
	<b>10</b>	Drillpipe				<b>RIG</b>	<b>9.5</b>	<b>3</b>	<b>9.5</b>	<b>2.875</b>	<b>90.94</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>	<b>217</b>			<b>ON FILE</b>					
	<b>11</b>	Crossover				<b>RIG</b>	<b>9.25</b>	<b>1</b>	<b>9.25</b>	<b>2.5</b>	<b>2.65</b>	<b>6-5/8" REG</b>	<b>7-5/8" REG</b>	<b>217</b>			<b>333</b>					
	<b>12</b>	Drillcollar				<b>RIG</b>	<b>8.5</b>	<b>6</b>	<b>8.5</b>	<b>3.062</b>	<b>179.51</b>	<b>6-5/8" REG</b>	<b>6-5/8" REG</b>	<b>164.8</b>			<b>ON FILE</b>					
	<b>13</b>	Crossover				<b>RIG</b>	<b>8.312</b>	<b>1</b>	<b>8.312</b>	<b>3.062</b>	<b>3.02</b>	<b>6-5/8" FH</b>	<b>6-5/8" REG</b>	<b>164.8</b>			<b>16220131</b>					
	<b>14</b>	Heavy Weight Drillpipe (HWDP)				<b>RIG</b>	<b>4.253</b>	<b>9</b>	<b>0.253</b>	<b>4.25</b>	<b>276.02</b>	<b>6-5/8 FH</b>	<b>6-5/8 FH</b>	<b>71.4</b>			<b>ON FILE</b>					
	<b>15</b>	Crossover				<b>RIG</b>	<b>8.937</b>	<b>1</b>	<b>8.937</b>	<b>2.5</b>	<b>3.64</b>	<b>5.5 XT-54</b>	<b>6-5/8 FH</b>	<b>71.4</b>			<b>NAP3779</b>					
	<b>16</b>	Heavy Weight Drillpipe (HWDP)				<b>RIG</b>	<b>5.5</b>	<b>9</b>	<b>5.5</b>	<b>3.312</b>	<b>271.65</b>	<b>5.5 XT-54</b>	<b>5.5 XT-54</b>	<b>5.51</b>			<b>ON FILE</b>					
	<b>17</b>	Drillpipe				<b>RIG</b>	<b>5.5</b>	<b>1</b>	<b>5.5</b>	<b>4</b>	<b>0.1</b>	<b>5.5 XT-54</b>	<b>5.5 XT-54</b>	<b>24.7</b>			<b>ON FILE</b>					
Miscellaneous	BOP Test <b>02/21/2023</b>		BOP Drills <b>WEEKLY</b>			Wind <b>NORMAL</b>		Sea <b>N/A</b>	Weather <b>SEASONAL</b>			DSLTA			Safety Meeting <b>DAILY</b>							
	Real-Time Data Quality				Sensors Quality				Data Frequency <b>100%</b>			Real-Time Hrs <b>10.99/24 hrs</b>										
Personnel and Services Information	COMPANY		BHT	SWK	RIG	EMC	MJH	KSB	RIG	ARM	SUD	MI2	OTH	ARM	SAM	FMC	SJC	DEL	WDV			
	CATEGORY		BITS	CTRG	RIG	DFMS	SEC	ISS	OTHR	OTHR	OTHR	SCS	VAC	WSC	WBCS	CSR	PCS	WHES	DV			
	NO. OF PERSONS		<b>1</b>	<b>15</b>	<b>43</b>	<b>1</b>	<b>5</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>8</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>8</b>	<b>3</b>	<b>1</b>	<b>1</b>			
	OPERATING HRS.		<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>12</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>12</b>			
Trucks/Boats	Standby/Tankers <b>ARAMCO AB-5573</b>		COASTER BUS		AMBULANCE		NABORS PICK UP				MECHANIC TRUCK											
BULK	Drill Wtr.-BBLS <b>1000</b>		Pot Wtr.- BBLS <b>300</b>		Fuel- BBLS <b>960</b>		Barite- SX <b>194</b>		Bentonite - SX <b>44</b>		Cement G- SX <b>5100</b>											

 Total  
**96**

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ZMLH-18 (MK-1 S SHAPE 1000 FT INTO SARAH WITH ST OPTION)</b> Charge #: <b>(66- 22528- 0018)</b> Wellbores: (0-1) ZMLH_18_1	Rig <b>NBR- 575S</b> Foreman(s) <b>ABOHARGA, AHMED REYAD/ BELAZZOZU, LAID/ ALAJMI, MOHAMMED NASSER/ KHUWAYSAH, MOHAMMED ABDUL KARIM/ NAJIM, KHALID YOUSEF</b>	Engineer Superintendent	THURAYA <b>008821677711371</b>	RIG FORMAN VSAT <b>013-5779697</b>	CONTRACTOR/CLERK VSAT <b>013-5779609</b>
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Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>19961</b>	<b>R/U NESR CTU &amp; P/T, RIH W/ CTU TO 13955'. DISPLACE TBG TO 70 PCF FILTR. CACL2, RIH W/ 2 3/8" NESR CTU.</b>	<b>DISPLACE TBG TO 70 PCF FILTR. CACL2, FLOW CHECK, N/D CTU. SLB RUN FINAL DRIFT, R/D S/L, YABRINE INSTALL BPV.</b>	<b>340 KM FROM DH MAIN GATE , DAMMAM ROAD TO</b>	<b>141.3 (10/08/2022@1800)</b>	<b>UNZA 14322 29' DEEPER UNZC 14633 242' SHALLOWER PUZU 15044 14901' TVD (27' SHALLOWER) JAUF 15412 15269' TVD (78' SHALLOWER) TWLF 15977 15833' TVD (195' DEEPER) SHRR 16687 16543' TVD (267' DEEPER) BKDC 14175 9' SHALLOWER QUSB 17263 17118' TVD (402' DEEPER) SARH 19209 19062' TVD (238' SHALLOWER)</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>19961</b>	<b>4 1/2</b>	<b>13954</b>	<b>19958</b>	<b>19811</b>	<b>9 5/8</b>	<b>1068410546</b>		<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
<b>08.5</b>	<b>0500 - 1330</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>HT</b>	<b>SFLN</b>	<b>NCT</b>	<b>19961</b>	<b>19961</b>			<b>HPJSM, R/U CTU INJECTOR CONNECT WITH RISER. M/U CTU BHA &amp; FUNCTION TEST IT, CONNECT RISER &amp; P/T CONNECTION, PRIMARY &amp; SECONDARY STRIPPER, HP LINES TO 13 KPSI OK. NEGATIVE TEST FOR CTU CHECK VALVE W/ 2500 PSI. OK.</b>
<b>07.2</b>	<b>1330 - 2045</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>19961</b>	<b>19961</b>			<b>CALIBRATE GL DEPTH AND RIH W/ 2 3/8" NESR CTU TO 13,955 FT. &gt; PULL TEST &amp; BREAK CIRCULATION EVERY 1000 FT.</b>
<b>05.2</b>	<b>2045 - 0200</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>19961</b>	<b>19961</b>			<b>DISPLACE TBG AT 13,955 FT TO 70 PCF FILTERATED CACL2 TILL HAD CLEAR BRINE ON SURFACE. &gt; NTU = 45 &amp; TSS = 0.04%.</b>
<b>03.0</b>	<b>0200 - 0500</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>19961</b>	<b>19961</b>			<b>CONT RIH W/ 2 3/8" NESR CTU TO 19,600 FT ...ON GOING@ RT &gt; PULL TEST &amp; BREAK CIRCULATION EVERY 1000 FT.</b>

ZMLH-18 WELL IS MK-1 S-SHAPE WELL DESIGN THAT WILL BE DRILLED TO 1000' INTO SARAH RESERVOIR TO EVALUATE UNZ-A, UNZ-C, JAUF  
 AND SARAH RESERVOIRS WITH 15K BOP STACK. AFTER 5-7/8" LOGGING OPERATIONS, THE WELL WILL BE EITHER COMPLETED WITH 4-1/2"  
 15K  
 CEMENTED LINER OR SIDETRACKED INTO EITHER UNZA OR UNZ-C.

===== PERSONNEL =====

> ARAMCO MATERIAL EXPEDITOR RAJA ALHAJRI #8376388 ON LOCATION SINCE 02/20/2023.

===== RENTAL TOOLS =====

===== AUDIT FINDINGS =====

> 3RD QTR. 3MCI 2022: 20 CLOSED, 0 OPEN.

> 2ND RHSEI 2022: 31 CLOSED, 0 OPEN.

===== SAFETY =====

> SAFETY TOPIC:

- LESSON LEARNED OF THE WEEK : EDD HSE ALERT 0003-23 FALL FROM HEIGHT
- CONTINUE HANDS AND FINGERS INJURY PREVENTION CAMPAIGN,
- STOP WORK AUTHORITY FOR ANY UNSAFE ACTS OR SITUATION,
- WORKING AT HEIGHTS PROCEDURES AND SAFE PRACTICES,
- DROPS AWARENESS AND THOROUGH INSPECTION,
- CONTINUE HOUSEKEEPING AND MAINTAINING WORK AREA FREE FROM SLIP, TRIP AND FALL HAZARDS.

> NEAR MISS: NONE.

> DRILLS: NONE.

> SAFETY ALERTS: NONE.

> IMPLEMENTING SLB CLOSED LOOP DRILLING PRACTICE.

> RIG LOCATION: 340 KM FROM DH MAIN GATE, DAMMAM ROAD TO YABRINE, 82.0 KM DRIVE ON YERBRIN BLACK TOP ROAD, TURN RIGHT 12.6 KM SKID ROAD, TURN LEFT FOR 1.8 KM TO GATE ENTRANCE AREA OF LOCATION.

===== RIG VISITS =====

===== VACUUM TANKERS =====

> VACUUM TANKERS (6000 GAL) ON LOCATION: 08.

> DRSS # 1003845639.

> TAMIMI: DRSS# 1003847623.

> WORKING HOURS PER TRUCK = 10HRS.

===== NEXT WELL =====

> THE NEXT WELL PLANNED TO BE DRILLED BY THIS RIG IS KIDN-24.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS								
MUD DATA	Weight <b>70</b> PCF	Funnel Vis. <b>28</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>8</b>	CA PPM <b>100500</b>	CL PPM <b>177780</b>										
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol.% <b>92</b>	Oil Vol.% <b>0</b>	Solids Vol.% <b>8</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>WBM-CAC</b>	Water Well # <b>ZMLH-801, ZMLH-802</b>											
	Weight <b>70</b> PCF	Funnel Vis. <b>28</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>8</b>	CA PPM <b>200</b>	CL PPM <b>189000</b>										
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol.% <b>89</b>	Oil Vol.% <b>0</b>	Solids Vol.% <b>11</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>WBM-NAC</b>	Water Well # <b>ZMLH-801, ZMLH-802</b>											
MUD TREATMENT	<b>CACL2-98</b>	<b>CAOH2</b>	<b>7(2200L)</b>	<b>2(100LB)</b>																		
BIT DATA																						
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #								
Miscellaneous	BOP Test <b>02/16/2023</b>	BOP Drills			Wind <b>NORMAL</b>		Sea <b>N/A</b>		Weather		DSLTA		Safety Meeting <b>TWICE PER DAY</b>									
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs		11.49/24 hrs								
Personnel and Services Information	COMPANY		TGC	NCT	RIG	EMC	MJH	BFS	RIG	ARM	SLL	ARM	SAM	CAM	Total <b>130</b>							
	CATEGORY		CTR G	COIL	RIG	DFMS	SEC	FILT	OTHR	OTHR	SLS	WSC	WBCS	WHES								
	NO. OF PERSONS		<b>16</b>	<b>13</b>	<b>48</b>	<b>1</b>	<b>7</b>	<b>2</b>	<b>35</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>1</b>								
	OPERATING HRS.		<b>0</b>	<b>24</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>24</b>	<b>8.5</b>	<b>0</b>								
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>								
Trucks/Boats	Standby/Tankers <b>AB-5448</b>	<b>SANAD AMBULANCE</b>			<b>SANAD BUS / PICK UP</b>																	
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>488</b>	Barite- SX <b>223</b>	Bentonite - SX <b>32</b>	Cement G- SX <b>0</b>																
REPAIR ASAP	Instrumentation		Other												Reporter							
Computer, Communication & V-Sat Issues																						

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D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HRDH-2350 (MK-1 VERTICAL TO 150 FT INTO PUZU)</b>	Rig <b>NBR- 591S</b>	Foreman(s) <b>ZIMMERMAN, PHILLIP HARDIN/ ALELWEET, SULAIMAN ABDULLAH/ KHAN, KAFAYAT ULLAH/ ABD RAB ALREDA, SAEED HASSAN</b>
Charge #: <b>(66- 22058- 2350)</b>	Wellbores: (0) HRDH_2350_0	THURAYA <b>+8821677713753</b>	RIG FORMAN VSAT <b>013-576-3115</b>
		CONTRACTOR/CLERK VSAT <b>013-576-3123</b>	

Depth	Last 24 hr operations			Next 24 hr plan			Location			Days Since Spud/Comm (Date)		Formation tops			
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %						
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Start	End	Start	End	Summary of Operations		
08.5	0500 - 1330	0	5 7/8	N	DRLG	D	TDS	RIG	15610	15657			ROTARY DRILL 5-7/8" HOLE WITH SLB. MWD/GR ROT BHA AND 90 PCF OBM, 100% CIRC TO 15,657' (150' TVD INTO PUZU) - CONFIRMED BY GOC.		
02.2	1330 - 1545	0	5 7/8	N	DRLG	CIRC	MPMP	RIG	15657	15657			PUMP 30 BBLS HVP & CIRC HOLE CLEAN WHILE RECIPROCATING DP		
00.2	1545 - 1600	0	5 7/8	N	DRLG	WCNT	NA	RIG	15657	15657			FLOW CHECK -WELL STATIC.		
01.0	1600 - 1700	0	5 7/8	N	DRLG	ST	STDP	RIG	15657	15657	15657	14421	WIPER TRIP, POOH WITH 5-7/8" WITH SLB MWD/GR ROT BHA TO 7" LINER SHOE - HOLE IN GOOD CONDITION.		
00.5	1700 - 1730	0	5 7/8	N	DRLG	WCNT	NA	RIG	15657	15657			FLOW CHECK -WELL STATIC.		
01.0	1730 - 1830	0	5 7/8	N	DRLG	ST	STDP	RIG	15657	15657	14421	15657	WIPER TRIP, RIH WITH WITH 5-7/8" WITH SLB MWD/GR ROT BHA, WASH DOWN LAST STD TO BTM- HOLE IN GOOD CONDITION.		
03.5	1830 - 2200	0	5 7/8	N	DRLG	CIRC	MPMP	RIG	15657	15657			PUMP 30 BBLS HVP & CIRC HOLE CLEAN, FLOW CHECK -WELL STATIC, SPOT LOG PILL.		
01.0	2200 - 2300	0	5 7/8	N	DRLG	TO	STDP	RIG	15657	15657	15657	14421	POOH WITH 5-7/8" WITH SLB MWD/GR ROT BHA TO 7" LINER SHOE - HOLE IN GOOD CONDITION.		
00.5	2300 - 2330	0	5 7/8	N	DRLG	CIRC	MPMP	RIG	15657	15657			FLOW CHECK -WELL STATIC. PUMP SLUG PIPE & DROP 3.5" HOLLOW DRIFT.		
04.0	2330 - 0330	0	5 7/8	N	DRLG	TO	STDP	RIG	15657	15657	14421	5605	CONT' POOH WITH 5-7/8" WITH SLB MWD/GR ROT BHA TO 4" DP DEPTH.		
01.0	0330 - 0430	0	5 7/8	N	DRLG	HT	PEL	RIG	15657	15657			RETRIEVE 3.5" HOLLOW DRIFT & TAIL WIRE. FLOW CHECK - WELL STATIC. CHANGE HANDLING TOOLS TO 4". DROP 2.25" HOLLOW DIFT.		
00.5	0430 - 0500	0	5 7/8	N	DRLG	TO	STDP	RIG	15657	15657	5605	4605	POOH WITH 5-7/8" WITH SLB MWD/GR ROT BHA TO TOP OF BHA...ONGOING @ RPT.		

TO BE DRILLED AS MK-1 DESIGN WELL TARGETING UNZ B/C RESERVOIRS AS PRIMARY TARGET & UNZ A AS SECONDARY TARGET. COMPLETED WITH 15K OH MSF OR 15K CEMENTED LINER COMPLETION.

#### =====ARAMCO PERSONNEL=====

- > ARAMCO RIG CLERK SURESH DANUWAR ID#8284744 ON LOCATION SINCE 01/15/2023.
- > ARAMCO MATERIAL EXPEDITOR, JASSEM ALRSHIDAN #8315354, ON LOCATION 02/20/2023
- > DOECD FCC BEHRAM PATEL (ID # 8865481) ONBOARD SINCE 02/24/2023 FOR HSE GA INSPECTION , ARRIVED ON LOCATION @ 08.30 HRS.

#### =====SERVICE COMPANY PERSONNEL=====

- > OES MUD ENGINEER
- > BAKER MUD ENGR
- > SLB (MI-SWACO) DRYER SHAKER CREW
- > SLB BARITE SILOS OPERATOR
- > HLB MUD LOGGER
- > NOV CENTRIFUGE CREW
- > NOV BIT RUNNER
- > SLB MWD
- > HLB WIRELINE

#### =====RENTAL TOOLS=====

- > RECEIVED COUGAR 4-3/4" JAR #DJ6-500-031 ON 02/14/2023 AT 2100 HRS

#### =====SAFETY & HSE FINDINGS STATUS=====

- > FINDINGS STATUS RHSEI: ALL CLOSED, CEHA: 3 OPEN ITEMS, 3MCI: ALL CLOSED, WCI: ALL CLOSED

#### =====WELLSITE SERVICES=====

- > VACUUM TANKER
- > DRSS# 1003830670
- > DOOR #: 2008-91, 2008-46, 2008-48
- > PLATE #: RRA-1762, 1219TRA, 1162TRA

#### =====NEXT WELL=====

- > NEXT WELL: HRDH-2242 - LOCATION COMPLETED @ 100%

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM		
	<b>90</b>	<b>PCF</b>	<b>61</b>	<b>SEC</b>	<b>2</b>	<b>HTHP</b>	<b>API</b>	<b>28</b>	<b>15</b>	<b>632</b>	<b>Volts</b>	<b>8 / 9</b>	<b>9 / 12</b>
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #		

MUD DATA	138	1	0	18	60	22	0	7.64	0	MXBROBM	HRDH-896, HRDH-897								
	Weight 90 PCF	Funnel Vis. 59 SEC	Filtrate(WL) 1.8 HTHP	Filtrate (WL) API	PV 27	YP 13	Electrical Stability 638 Volts	3/6 RPM 7 / 8	Gels Sec/Min 9 / 11	PH 0	CA PPM 0								
	FL Temp 140	Cake HTHP 1	Cake API 0	Water Vol. % 18	Oil Vol. % 60	Solids Vol. % 22	Sand Vol. % 0	% LGS 7.64	MBT 0	Mud type MXBROBM	Water Well # HRDH-896, HRDH-897								
MUD TREATMENT	CAOH2	MRBL-M	CACO3-25	CACO3-50	STELSL50	STELSEALFN	DURATONE	MAXSHIELD	OMNI-CTE										
BIT DATA	72(50LB)	8(2200L)	96(50LB)	96(50LB)	96(50LB)	96(50LB)	4(55GL)	4(55GL)											
DRILL STRING	Bit Number 9	IADC M432	Size 5.875	Manufacturer REED	Serial Number S295479	Type DS713M1A / 3 X 13 / 1 X 11 /	Jets 0.482	TFA 14424	MD In 15657	MD Out	TVD Out								
	Feet 20	Hours 100	WOB	RPM	I-Row	O-Row	DC	Loc	B G	Pressure	GPM								
										Jet Vel	DP Av								
										DC Av	Bit HHP								
	Float Y																		
	BHA Hrs: 155																		
	String Wt. 337	Pick Up 342	Slack Off 330	Rot. Torque 5500		Jars: Serial #/Hrs	/	155		Shock Sub:	/								
	Order 1	Component Bit	Provider REED	Nominal Size 5.875	# Joints 1	OD Size 5.875	ID Size 0.59	Length 3.5 R	Top Thread	Bottom Thread	Weight								
	2	Bit Sub	RIG	4.75	1	4.75	2	3.05	3.5IF	3.5IF	Grade								
	3	Pony Collar	RIG	4.75	1	4.75	2	15.06	3.5IF	3.5IF	Class								
	4	Roller Reamer	RIG	5.875	1	5.875	1	7.17	3.5IF	3.5IF	Serial #								
	5	Measurement While Drilling (MWD)	SDM	4.75	1	4.75	2	39.4	3.5IF	3.5IF	S295479								
	6	Roller Reamer	RIG	5.875	1	5.875	2	6.03	3.5IF	3.5IF	RIG TALLY								
	7	Drillcollar	RIG	4.75	24	4.75	2	733.77	3.5IF	3.5IF	RIG TALLY								
	8	Hydraulic Jar	CTC	4.75	1	4.75	2	30.53	3.5IF	3.5IF	DJ6-500-031								
	9	Drillcollar	RIG	4.75	2	4.75	2	61.77	3.5IF	3.5IF	RIG TALLY								
	10	Crossover	RIG	4.75	1	4.75	2.25	3.02	XT39	3.5IF	RIG TALLY								
	11	Heavy Weight Drillpipe (HWDP)	RIG	4	15	4	2.563	455.96	XT39	XT39	RIG TALLY								
	12	Drillpipe	RIG	4	135	4	3.34	4248.61	XT39	XT39	RIG TALLY								
	13	Crossover	RIG	6.75	1	6.75	2.5	2.64	XT54	XT39	RIG TALLY								
	14	Drillpipe	RIG	5.5	1	5.5	4.67	31	XT54	XT54	RIG TALLY								
Miscellaneous	BOP Test 02/15/2023	BOP Drills 02/15/2023	Wind NORMAL	Sea N/W	Weather COLD	DSLTA	Safety Meeting DAILY												
	Real-Time Data Quality	Sensors Quality	100%	Data Frequency	100%	Real-Time Hrs	10.74/24 hrs												
Personnel and Services Information	COMPANY	RTC	TGC	RIG	BDF	OES	SMI	CTC	SDM	HMS	RIG	ARM	BSC	BRD	MI2	OTH	ARM	HWP	Total 95
	CATEGORY	BITS	CTRG	RIG	DFMS	DFMS	DFMS	JST	LWD	MLS	OTHR	OTHR	SCS	SCS	VAC	WSC	WLC		
	NO. OF PERSONS	1	15	47	1	1	2	0	2	4	3	3	2	1	3	1	2	7	
	OPERATING HRS.	12	0	24	24	12	12	12	12	0	12	12	12	12	0	24	0	24	
	ON LOCATION HRS.	24	24	24	24	24	24	0	24	24	24	24	24	24	24	24	24	12	
Trucks/Boats	Standby/Tankers AB0037																		
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS 412	Barite- SX 190	Bentonite - SX 113	Cement G- SX 600													
REPAIR ASAP	Instrumentation	Other	Computer, Communication & V-Sat Issues																Reporter

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D&WO Morning Report (Service Providers View)  
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Daily Onshore  
(0500-0500) Saudi Aramco

Date <b>MONDAY</b> <b>02/27/2023</b>	Well No (Type) : <b>HRDH-2329</b> <b>(K-2 VERTICAL TO</b> <b>150FT INTO PUZU)</b> Charge #: <b>(66- 22058-</b> <b>#: 2329)</b> Wellbores: (0) HRDH_2329_0	Rig <b>NBR-</b> <b>633S</b>	Foreman(s) <b>ABOELWAFA, AHMED HAMED/</b> <b>AHMAD, MUHAMMAD NOUR/</b> Engineer Superintendent <b>MALAEKAH, ALI ABDULHADI/</b> <b>QAHTANI, MOHAMMED TURKI</b>
		THURAYA <b>882 1677 712 783</b>	RIG FORMAN VSAT <b>5779691</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location								Days Since Spud/Comm (Date)	Formation tops						
			HRDH-2329, 288 KM FROM DHARAHAN MAIN GATE (N-2646158.09, E-303657.49)									MDTM	5160	22' SHALLOW	SULY	5860	97' DEEPER	
7735	DRILL 16" HOLE TO 9750', CHC, POOH, P/U MWD, RIH & DRILL 16" HOLE TO +/- 10087' (+/-30 FT INTO BASE JILH DOLOMITE).												HITH	6380	10' DEEPER			
Prev. Depth 7015	Liner Size		TOL		MD		TVD		Last Csg Size		MD		TVD		Footage		Circ %	
			18 5/8		5208		5208						720		100			
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations					
Start	End	Start	End															
21.2	0500 - 0215	0	16	N	DRLG	D	TDS	RIG	7015	7680			<p><b>ROTARY DRILL 16" HOLE WITH NACL/POLYMER MUD &amp; FULL RETURN.</b></p> <p>&gt; CONTROL DRLG PARAMETERS WHILE DRLG ARAB-"C" FMT.</p> <p>&gt; SWEEP HOLE WITH 30 BBLS HVP EVERY 45' DRILLED.</p> <p>&gt; BACKREAM / REAM DOWN EACH STD DRILLED.</p> <p>&gt; TREAT MUD SYSTEM AS PER PROGRAM.</p> <p>&gt; FLOW CHECK EVERY CONNECTION.</p>					
01.0	0215 - 0315	0	16	N	DRLG	RR	TDS	RIG	7680	7680			<p><b>SERVICE TDS &amp; CHANGE WASH PIPE SEAL.</b></p>					
01.8	0315 - 0500	0	16	N	DRLG	D	TDS	RIG	7680	7735			<p><b>ROTARY DRILL 16" HOLE WITH NACL/POLYMER MUD &amp; FULL RETURN.</b></p> <p>&gt; CONTROL DRLG PARAMETERS WHILE DRLG ARAB-D FMT.</p> <p>&gt; SWEEP HOLE WITH 30 BBLS HVP EVERY 45' DRILLED.</p> <p>&gt; BACKREAM / REAM DOWN EACH STD DRILLED.</p> <p>&gt; TREAT MUD SYSTEM AS PER PROGRAM.</p> <p>&gt; FLOW CHECK EVERY CONNECTION.</p>					

**HRDH-2329 IS PLANNED AS K-2 DESIGN TO BE DRILLED AS VERTICAL WELL TARGETING UNZA RESERVOIRS AS THE PRIMARY TARGET AND UNAYZAH B/C AS THE SECONDARY TARGET. THE WELL WILL BE COMPLETED WITH 15K CEMENTED LINER**

## **PERSONNEL ON BOARD:**

- ARAMCO CLERK SAMAR ABBAS (ID# 8281439) ON LOCATION.
  - ARAMCO PDP, OMAR ALMENAIF (ID# 818520) ON LOCATION.
  - ARAMCO FCT TECHNICIAN ABDULRAHMAN AL-QAHTANI (ID# 296621) ON LOCATION.

## **SAFETY SUMMARY:**

- DRILL: NONE.
  - NEAR MISS: SLS#4484218.
  - ALERTS: 20-23, 21-23, 22-23 & 23-23.
  - SAFETY OBSERVATIONS: 24.

### **THIRD PARTY:-**

- SLB CUTTING RECOVERY SYSTEM ON LOCATION.
  - IMPLEMENTING CLOSED LOOP DRILLING PRACTICE

#### **WELL SITE SERVICES:-**

- SPRAY TANKER DRSS# 1003797748.
  - 08 VACUUM TANKER DRSS# 1003797755 / 1003811480 / 1003819177

#### **WELL SITE:-**

- NEXT WELL:- HRDH-2383 WITH 90% READY.
  - HRDH-1870:- EXISTING WELL ON LOCATION (DUAL PAD) IS SECURED WITH RPV

#### Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
	Weight	Funnel Vis.		Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM



BULK

Drill Wtr.-BBLS

Pot Wtr.- BBLS

Fuel- BBLS  
**454**

Barite- SX

Bentonite - SX

Cement G- SX

REPAIR  
ASAP

Instrumentation

Other

Computer, Communication &amp; V-Sat Issues

Reporter

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Date	Well No (Type) :	Rig	Foreman(s)	SAYAH, MOHAMMED/ DERRADJI, ABDELMALEK/ ALTARIQ, IBRAHIM SAAD/ ALZAILAIE, QUSAI SULTAN/ MAZEEDI, AHMED SALMAN/ OMRAN, MOHAMMAD JAFFAR
MONDAY 02/27/2023	ANDR-1007 (ANDR-1007 IS A DEVIATED K-2 PRE- SET KFBC WELL FOR UBCTD) Charge (66- 22056- #: 1007) Wellbores: (0) ANDR_1007_0	NBR- 654S	Engineer Superintendent	THURAYA 008821677711370 577-9321
			RIG FORMAN VSAT	OTHER VSAT 577-9320 (FCT) 804-9636 (SANAD) CONTRACTOR/CLERK VSAT 577-9307

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
12286	3RD STAGE DISPLACEMENT, POOH TO 3000', 4TH STAGE DISPLACEMENT, STRIP IN TO 5000 FT AND DISPLACE TO KILL MUD.	DISPLACE TO 147 PCF, N/D WFD RCD BEARING, N/U TRIP NIPPLE, POOH TO SURFACE.	ANDR-1007, DISTANCE TO ANDR GOSP-06 IS 4.11 KM	62.2 (12/26/2022@2000)	JILH 10243 JLDM 10466 BJDM 10628 MDJR 10928 SUDR 11663 SDMM 11884 KHFF 12140 97' DEEPER 67' DEEPER 78' DEEPER 85' DEEPER 49' DEEPER 41' DEEPER 21' DEEPER

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
12286			13 3/8	10662	10662			0	95

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	LT TYPE	LT ID	Summary of Operations		
00.5	0500 - 0530 0	12	N	DRLG	TO	MPD	RIG		12286	12286	5700	5500			STRIP OUT OF HOLE THROUGH WFD RCD AT CONTROLLED SPEED. - MAINTAIN MINIMUM LOSSES & ZERO GAIN BY MANAGING SBP. - LOSS RATE AVR: 16 BPH.
01.5	0530 - 0700 0	12	N	DRLG	CIRC	MPMP	RIG		12286	12286					PERFORM 3RD STAGE DISPLACEMENT TO 145 PCF KILL MUD FROM 5500' TO 3000'. - FOLLOW WFD STEP DOWN CHART. - MAINTAIN MINIMUM LOSSES & ZERO GAIN BY MANAGING SBP. - LOSS RATE AVR: 14 BPH.
04.5	0700 - 1130 0	12	N	DRLG	TO	MPD	RIG		12286	12286	5500	3000			STRIP OUT OF HOLE THROUGH WFD RCD AT CONTROLLED SPEED. - MAINTAIN MINIMUM LOSSES & ZERO GAIN BY MANAGING SBP. - LOSS RATE AVR: 16 BPH.
01.5	1130 - 1300 0	12	N	DRLG	CIRC	MPMP	RIG		12286	12286					PERFORM 4TH STAGE DISPLACEMENT TO 145 PCF KILL MUD FROM 3000' TO SURFACE. - FOLLOW WFD STEP DOWN CHART. - MAINTAIN MINIMUM LOSSES & ZERO GAIN BY MANAGING SBP. - LOSS RATE AVR: 14 BPH.
02.5	1300 - 1530 0	12	N	DRLG	CIRC	MPMP	RIG		12286	12286					CIRCULATE AND CONDITION MUD. - MAINTAIN MINIMUM LOSSES & ZERO GAIN BY MANAGING SBP. - LOSS RATE AVR: 12 BPH.
08.8	1530 - 0015 0	12	N	DRLG	CIRC	MPMP	RIG		12286	12286					CIRCULATE & RAISE MW BY 0.5 PCF INCREMENT MEANWHILE CHECKING ANNULUS PRESSURE AFTER SHUT OFF ALL PUMPS & SHUT IN THE WELL. - INCREASE LOSSES GRADUALLY TO FILL UP HOLE WITH HEAVIER MUD & REDUCE THE SBP. * MW IN=MW OUT =145 PCF-----ANNULUS PRESSURE=190 PSI. * MW IN=MW OUT =145.5 PCF-----ANNULUS PRESSURE=145 PSI. * MW IN=MW OUT =146.5 PCF-----ANNULUS PRESSURE=115 PSI. * MW IN=MW OUT =147.5 PCF-----ANNULUS PRESSURE=74 PSI. * AT LAST GET ANNULUS PRESSURE=54 PSI. DECISION MADE TO STRIP IN TO 5000' AND DISPLACE TO 147PCF.
01.5	0015 - 0145 0	12	N	DRLG	RR	DWKS	RIG		12286	12286			RR	909568	TROUBLESHOOT DRAW WORKS. - WHILE TRYING TO RUN DP FROM DERRICK OBSERVE DWS FAILURE- FIX THE ELECTRIC PROBLEM. - MAINTAIN SBP WITH MINIMUM LOSS AND NO GAIN. - LOSSES RATE 12 BPH.
02.8	0145 - 0430 0	12	N	DRLG	TI	MPD	RIG		12286	12286	3000	5000			STRIP IN BACK THROUGH WFD RCD AT CONTROLLED SPEED TO 5000'. - MAINTAIN MINIMUM LOSSES & ZERO GAIN BY MANAGING SBP. - LOSS RATE AVR: 12 BPH.
00.5	0430 - 0500 0	12	N	DRLG	CIRC	MPMP	RIG		12286	12286					DISPLACE TO 147 PCF KILL MUD FROM 5000' TO SURFACE. - FILL UP HOLE WITH 147 MUD & REDUCE THE SBP. - LOSS RATE AVR: 14 BPH. - DAILY MUD LOST: 360 BBLS- TOTAL MUD LOST IN HOLE: 7770 BBLS.

Lost Time Details												
From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID		Type	Cause	Object	Resp Co	Depth	LT Summary	
27 Feb 0015 - 0145	1.5	1.5	909568			RR	FOT	DWKS	RIG	3000	TROUBLE SHOOT DRAW WORKS AND FIX THE ELECTRIC PROBLEM.	

=====WELL OBJECTIVE=====  
 ANDR-1007 IS A DEVIATED K-2 PRE-SET KFBC WELL FOR UBCTD. IT IS A GAS STORAGE WELL TARGETING KHUFF-B RESERVOIR. THE WELL WILL BE COMPLETED AS 7" 10K CEMENTED LINER. THE K-2 DESIGN WAS SELECTED DUE TO HIGH JILH RISK AND THE PRODUCTION REQUIREMENT TO COMPLETE THE WELL WITH 7" MONO-BORE COMPLETION.



DRILL STRING	Float	Y												
	BHA Hrs:	140												
	String Wt.	Pick Up	Slack Off		Rot. Torque		Jars: Serial #/Hrs	/	140		Shock Sub:	/	Mud Motor:	/
	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit	REED	12	1	12	0.97	6-5/8" REG						S296291
	2	RSS	SDM	9	1	9	6.75	27.23	6-5/8" FH	6-5/8" REG				V2142
	3	Saver Sub	SDM	8.4	1	8.4	3	1.02	6-5/8 FH	6-5/8" REG				GTF-2870-2-
	4	Measurement While Drilling (MWD)	SDM	8.4	1	8.4	5.9	25.23	6-5/8" FH	6-5/8" FH				N004185
	5	Saver Sub	SDM	8.37	1	8.37	3	1.19	6-5/8" FH	6-5/8" FH				5813052A-1
	6	Non Magnetic HWDP	SDM	8.1	1	8.1	2.81	24.95	6-5/8" REG	6-5/8" FH				SBMG-1231
	7	Filter Sub	SDM	8.01	1	8.01	2.187	6.78	6-5/8" REG	6-5/8" FH				800-1001
	8	Float Sub	SDM	8.5	1	8.5	2.81	3.88	6-5/8" REG	6-5/8" REG				QA59919-101
	9	Float Sub	SDM	8.5	1	8.5	2.81	3.88	6-5/8" REG	6-5/8" REG				10332753-1
	10	Crossover	RIG	7.75	1	7.75	2.8	1.85	XT-54	6-5/8"REG				6029
	11	Heavy Weight Drillpipe (HWDP)	RIG	5.5	5	5.5	3.25	154.3	XT-54	XT-54				RIG
	12	Hydraulic Jar	NPJ	6.75	1	6.75	2.75	30.69	XT-54	XT-54				GE-DJ-00122
	13	Heavy Weight Drillpipe (HWDP)	RIG	5.5	18	5.5	3.25	523.85	XT-54	XT-54				RIG
	14	Drillpipe	RIG	5.5	1	5.5	4.67	31	XT-54	XT-54				RIG
Miscellaneous	BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting							
	02/07/2023	02 PER WEEK	NORMAL	N/A	SEASONAL		EACH TOUR							
Real-Time Data Quality			Sensors Quality		91%	Data Frequency		100%	Real-Time Hrs		10.99/24 hrs			
Personnel and Services Information	COMPANY	TGC	SDM	RIG	BDF	EMC	SMI	SDM	WUD	RIG	ARM	ARM		
	CATEGORY	CTRG	DPDS	RIG	DFMS	DFMS	DFMS	LWD	MPD	OTHR	OTHR	WSC		
	NO. OF PERSONS	15	1	43	6	1	1	1	6	3	3	3		Total 83
	OPERATING HRS.	0	12	24	24	24	24	12	24	12	12	12		
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24		
Trucks/Boats	Standby/Tankers <b>AB-7363</b>													
BULK	Drill Wtr.-BBLS <b>400</b>	Pot Wtr.- BBLS <b>345</b>	Fuel- BBLS <b>350</b>	Barite- SX <b>350</b>	Bentonite - SX <b>122</b>	Cement G- SX <b>5300</b>								
REPAIR ASAP	Instrumentation	Other												Reporter
Computer, Communication & V-Sat Issues														

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Date <b>MONDAY</b> 02/27/2023	Well No (Type) : <b>TINT-90</b> <b>(GAS PRODUCER)</b> Charge (66- 22096-#: <b>0090</b> ) Wellbores: (0) TINT_90_0	Rig <b>NBR-783S</b>	Foreman(s) <b>MOGDAD, YOUSSEF / SAID, AHMED MAGDY / ALABDULMOHSIN, MAHDI NAYIF / MEQBEL, ALI NASSER</b> Engineer Superintendent
	THURAYA	RIG FORMAN VSAT <b>8821677711016 FOREMAN 0135779324 0135779319</b>	OTHER VSAT CONTRACTOR/CLERK VSAT <b>0135779323</b>

Depth <b>0</b>	Last 24 hr operations <b>RIG MAINTENANCE</b>	Next 24 hr plan <b>RIG MAINTENANCE</b>	Location <b>TINT-90</b>	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops
Prev. Depth <b>0</b>	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage <b>0</b> Circ %

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations						
									Start	End	Start	End							
24.0	0500 - 0500	0		N	MAIN	OTH	NA	RIG	0	0			-----WATER DIVISION DIDNT COMPLETE INSTALLING WATER LINE----- - WATER LINE CANNOT CONNECT ACROSS THE PIPELINES WITHOUT THEIR APPROVAL AND PERMITS FROM PIPELINE DIVISION. , THE WATERLINES ARE AN INTEGRAL PART OF THE RIG'S OPERATIONS, AND WITHOUT THEM, THE RIG CANNOT FUNCTION * WATER WELL DISTANCE: TINT-804=7 KM, TINT-811= 6KM  HPJSM WITH ALL PERSONNEL INVOLVED & DISCUSSED: * WORKING AT HEIGHT HAZARDS & PRECAUTIONS. * PROPER LIFTING PROCEDURES & PRECAUTIONS. * CRITICAL LIFT PLAN & GENERAL WORK PERMIT REQUIREMENTS. * STOP WORK AUTHORITY. * GOOD COMMUNICATION & TEAM WORK. * HIGHLIGHTED POTENTIAL HAZARDS & SAFETY RISKS DURING R/U.  DAILY RIG MAINTENANCE SUMMARY: ----- -CONNECTED MAST WITH SUBSTRUCTRE. -CONNECTED MONKEY BOARD WITH DERRICK. -MANSURI INSPECTION (D/STRING). -CONT. HYDRO TEST FOR GUMPER HOSES, HIGH PRESS. LINES & KOOMEY COFLEX HOSE. -CHANGED WASH PIPE. -GENERAL MAINTENANCE AT TOP DRIVE AND RIG PUMPS. -R/UP CMT SILOS. -CONT. R/UP SLB DRYER EQUIP. -DRAWWORK IN DAMMAM BASE FOR MAINTENANCE AND CAT VI INSPECTION.  MAINTENANCE DAYS (3)  RIGGED UP: 55%						

TINT-90 WILL BE DRILLED HORIZONTAL WELL ACROSS UNAYZAH-A RESERVOIR IN THE NORTH EAST AREA OF TINT FIELD TARGETING BEST RESERVOIR QUALITY THE WELL WILL BE DRILLED AS MK-1 DESIGN TO A TOTAL DEPTH OF 18150' MD/ 15,169' TVD AND COMPLETED WITH CONVENTIONAL SAND SCREENS.

#### =====TINT-90 =====

SGA #1NE F/WELL: N - 23.79079,, E-49.45220 (DISTANCE 550 M)  
 SGA #2 NW F/ WELL: N-23.79024, E-49.43796 (DISTANCE 550 M)

#### ===== WELL SECTIONS =====

RUN 24" CSG KPI: 4 JT/HR, ACTUAL

\* RUN 18-5/8" CSG KPI: 7 JT/HR, ACTUAL

\* RUN 13-3/8" CSG KPI: 11.5 JTS/HR / ACTUAL

\* RUN 9-5/8" CSG KPI: 14 JTS/HR / ACTUAL

\* RUN 7" CSG KPI: 14 JTS/HR / ACTUAL

#### ===== VISITORS/PERSONNEL=====

- ARAMCO MATERIAL EXPEDITOR: JOYEL ADRIAN JOHN#8096397 ON LOCATION 12/8/2022.

#### =====RIG MOVE EQUIP=====

RIG MOVE CREW, RIGGERS, CRANES, PUSHERS ETC. LICENSES CHECKED, VERIFIED & AVAILABLE

- DAILY LOADS:30, TOTAL LOADS:207

- DRT RIG MOVE EQUIPMENT: 6 CRANES/2 FORKLIFTS/ 3 WINCH TRUCKS/ 0 SUPER TRUCK/ 11 LOW BED/ 4 HIGH BED

- PERSONNEL: 2 TRUCK PUSHER + 2 RIGGER ONE

#### =====CREW SHORTAGE =====

> CREW SHORTAGE :0

> SAUDIZATION : 65%

#### =====HSE=====

>PRE-TOUR SAFETY MEETING: (2), WEEKLY SAFETY MEETING (2), COLD PTW: (7), HOT PTW:(3), LP PTW (2) CONFINED SPACE: (3), JSA: (15), STOP CARDS: (20), NM:(0). > SAFETY ALERT: 0

DISCUSSED ALL NMC'S FROM OTHER RIGS AND ITS LATERAL LEARNINGS.

DISCUSSED ABOUT CRANE AND FORKLIFT SAFETY AND MAINTENANCE, DAILY CHECKS-BANKSMAN

DISCUSSED ABOUT CLOSED PTW AUDIT FINDINGS.

DISCUSSED REINFORCEMENT OF REPORTING (SOC, HAZARD HUNT, NMC, ETC). DISCUSSED ABOUT TORQUE WRENCH SAFETY, LINE OF FIRE, NO GO ZONE, ENSURE TO IMPLEMENT SWA IF REQUIRE

HAND & FINGERS SAFETY AWARENESS - PINCH POINTS.

=====AUDITS=====

> 1ST QTR. 3MCI 2023: 30 CLOSED / 20 OPEN

>1ST QTR. 3MCI 2022 : 80-CLOSED 0 OPEN

> 2ND QTR. 3MCI 2022 : 47-CLOSED / 0 OPEN

>3RD QTR. 3MCI 2022 : 55 CLOSED /1 OPEN

>4TH QTR. 3MCI 2022: 60 CLOSED /4 OPEN

>1ST RHSEI 2022 : 44 CLOSED/ 0 OPEN

>2ND RHSEI 2022 : 52 CLOSED / 0 OPEN

=====NEXT LOCATION =====

NEXT LOCATION :

=====DIRECTIONAL=====

=====RENTAL EQUIPMENT=====

>1X WATER SPRAY TANKER SINCE 2/16/2021; ABDUL ALI AL AJMI CO, PL #2783, DOOR #409

>WASTE DISPOSAL TANKERS - ABDUL ALI AL AJMI COMPANY 4 TANKERS HAS NEW DRSS#1003826795 DOOR NUMBERS # 6461-ZZA,1692-NLA,1859-NLA & 6452-ZZA+ 4 WASTE DISPOSAL TANKERS - TAMIMI COMPANY

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS				
MUD DATA															
MUD TREATMENT															
BIT DATA															
DRILL STRING															
Miscellaneous															
Personnel and Services Information	COMPANY	GOS	RIG	EMC	MJH	RIG	ARM	OTH	MI3	ARM	Total 101				
	CATEGORY	CTRG	RIG	DFMS	SEC	OTHR	OTHR	VAC	WMS	WSC					
	NO. OF PERSONS	15	44	1	7	28	1	1	2	2					
	OPERATING HRS.	0	24	24	24	12	12	10	24	24					
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24					
	Real-Time Data Quality	No Transmission													
Trucks/Boats	Standby/Tankers														
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS		Barite- SX		Bentonite - SX		Cement G- SX						
REPAIR ASAP	Instrumentation	Other													
	Computer, Communication & V-Sat Issues										Reporter				

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Date <b>MONDAY</b> 02/27/2023	Well No (Type) : <b>UTMN-3147</b> (UTMN-3147 IS PLANNED TO BE DRILLED AS K2 S- SHAPE WELL DESIGN TO 200 FT INTO TAWIL FORMATION)	Rig <b>NBR-797S</b>	Foreman(s) Engineer Superintendent <b>DOSSARY, AYEDH HAMAD/ BOUCHAREB, RAOUF/ ALQURASHI, MAHMOUD ADNAN/ ALISMAIL, ALI MOHAMMAD/ ABDULMOHSIN, ABBAS FATHIL</b>
	Charge (66- 22057- #: 3147) Wellbores: (0) UTMN_3147_0	THURAYA RIG FORMAN VSAT 8821677712772 5779329	CONTRACTOR/CLERK VSAT 8049652 (NABORS OFFICE) CONTRACTOR/CLERK VSAT 5779328 (ARAMCO CLERK)

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>5080</b>	<b>DRILLING 22" HOLE SECTION.</b>	<b>DRILLING 22" HOLE SECTION TO CP +/-6064' (+/- 100' IN HITH).</b>	<b>135.66 KM'S FROM DMG</b>	<b>19.3</b> (02/07/2023@2130)	<b>ARUM 1590 148' SHALLOWER</b> <b>RUS 495 556' SHALLOWER</b> <b>LAMS 2240 26' SHALLOWER</b> <b>AHMD 2735 49' DEEPER</b> <b>SFNY 2940 19' SHALLOWER</b> <b>SHUB 3720 50' SHALLOWER</b> <b>BYDH 3975 42' SHALLOWER</b>

Prev. Depth	Liner Size								TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
4350												24	2796	2796	730	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Start	End	Start	End	Summary of Operations			
09.0	0500 - 1400 0	22	N	DRLG	D	TDS	RIG		4350	4695					<b>ROTARY DRILLING 22" HOLE SECTION WITH 67 PCF PHPA WBM, 100% RETURNS.</b> -> SWEEP HOLE WITH 50 BBL HI-VIS PILL EVERY STD. -> ADD LCM TO ACTIVE SYSTEM.			
00.5	1400 - 1430 0	22	N	DRLG	RR	TDS	RIG		4695	4695					<b>SERVICE TDS.</b>			
14.5	1430 - 0500 0	22	N	DRLG	D	TDS	RIG		4695	5080					<b>ROTARY DRILLING 22" HOLE SECTION WITH 67 PCF PHPA WBM, 100% RETURNS.</b> -> SWEEP HOLE WITH 50 BBL HI-VIS PILL EVERY STD. -> ADD LCM TO ACTIVE SYSTEM.			

-UTMN-3147 IS PLANNED TO BE DRILLED AS K2 S-SHAPE WELL DESIGN TO 200 FT INTO TAWIL FORMATION

#### ===== ARAMCO PERSONNEL =====

- MATERIALS EXPEDITORS: EISSA A. AL-ANAZI #8352195 OFF LOCATION ON 02/24/2023.
- MATERIALS EXPEDITORS: HASSAN AL-SALEH ID# 8555230 ON LOCATION ON 02/22/2023.
- ARAMCO GDD HSE FCT, MAJDI ALGHAMDI #295639 ON LOCATION ON 02/15/2023.
- ARAMCO FOREMAN, OMAR ELFAROUK HAKIMI # 8588865 ON LOCATION ON 02/15/2023.
- ARAMCO FOREMAN, AZAOUNE YACINE # 8586230 ON LOCATION ON 02/16/2023.

#### ===== ARAMCO SERVICE PERSONNEL & EQUIPMENT =====

- 1 X EMEC MUD ENG. ON LOCATION.
- 1 X RAWABI H2S TECHNICIAN ON LOCATION.
- GULF ENERGY INSPECTION TEAM ON LOCATION SINCE 2/25/2023.
- SCIENTIFIC GYRO ENGS ON LOCATION SINCE 2/26/2023.

#### ===== SAFETY =====

SAFETY TOPICS REVIEWED DURING PRE TOUR:

- SWA / OBSERVATION CARDS
- TEN RULES TO LIVE BY
- HAND AND FINGER INJURIES / LINE OF FIRE / POTENTIAL DROPS
- PTW - THIRD PARTY NOT ALLOWED TO BE AREA AUTHORITY
- ANCHOR OFF AT ALL TIMES WHEN WORKING AT HEIGHT
- SECONDARY RETENTION FOR ALL HAND TOOLS AT HEIGHT

PROCEDURE TOPIC OF THE WEEK # 8 (19-25 FEBRUARY 2023)

- 1) PROCEDURE OF THE WEEK : ELECTRICAL SAFETY.
- 2) RHSEI FOCUS OF THE WEEK: H2S AND COMBUSTIBLE GAS SAFETY.
- 3) LESSON LEARNT OF THE WEEK (OPERATIONS ALERT) : WELL CONTROL INCIDENT.

GDD HSE CAMPAIGN:

- DAILY SAFETY TOPICS REVIEW - 26 FEBRUARY 2023 - ELECTRICAL SAFETY.

DRILLS: NONE.

NEAR MISS: NONE.

#### ===== NBR-797 TOOLPUSHER =====

- DAY: JASON HARTUNG / NIGHT: OROZCO, RAFAEL.

#### ===== JARS & SHOCK-SUBS =====

- 1X OILSERV JAR SN# HJDA-950-0024 ON LOCATION 2/19/2023 @ 20:00.

#### ===== NEXT LOCATION =====

- UTMN-3137 IS 100% READY AS PER WELLSITE ENG.

#### ===== NEARBY RIGS OR SITES =====

- DAILY PROTOCOL COMMUNICATION W/GOSP-9 & SITE-26 (INSIDE 30 PPM).
- 4X RAWBI WIRELESS H2S/LEL SENSORS PLACED AROUND THE RIG PERIMETER WITH A MONITOR IN PLACE IN FRONT OF FOREMAN OFFICE.

#### ===== RIG VISITS =====

- SANAD SUPERINTENDENT MOHAMMED ALABBED VISITED RIG ON 2/26/2023.
- SANAD HSE SUPERINTENDENT MANO RAMSAMY VISITED RIG ON 11/22/2022.
- SANAD HSE SUPERINTENDENT CORREA, MELWYN VISITED RIG ON 12/01/2022.
- SANAD OPERATION MANAGER STUMP, WILLIAM VISITED RIG ON 1/09/2023

#### ===== REMARKS =====

- SANAD SUPERINTENDENT MOHAMMED ALABBED VISITED THE RIG TODAY ON 2/26/2023.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
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MUD DATA	Weight <b>67</b>	Funnel Vis. <b>54 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API <b>20</b>	YP <b>28</b>	Electrical Stability <b>0 Volts</b>	3/6 RPM <b>6 / 8</b>	Gels Sec/Min <b>7 / 11</b>	PH <b>9.62</b>	CA PPM <b>200</b>	CL PPM <b>1200</b>					
	FL Temp <b>100</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>92</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>8</b>	Sand Vol. % <b>0.1</b>	% LGS <b>3.92</b>	MBT <b>7.5</b>	Mud type <b>INPHPA</b>	Water Well # <b>UTMN-906, UTMN-3548</b>					
	Weight <b>67</b>	Funnel Vis. <b>58 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API <b>21</b>	YP <b>29</b>	Electrical Stability <b>0 Volts</b>	3/6 RPM <b>7 / 9</b>	Gels Sec/Min <b>7 / 12</b>	PH <b>9.56</b>	CA PPM <b>200</b>	CL PPM <b>1200</b>					
	FL Temp <b>100</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>92</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>8</b>	Sand Vol. % <b>0.1</b>	% LGS <b>3.92</b>	MBT <b>7.5</b>	Mud type <b>INPHPA</b>	Water Well # <b>UTMN-906, UTMN-3548</b>					
MUD TREATMENT	BENT <b>6(2500L)</b>	CAUST <b>12(55LB)</b>	S-PHPA-S <b>6(55LB)</b>	X C <b>6(25KG)</b>	PALFLC STARCH <b>36(55LB)</b>	MICA-FINE <b>40(55LB)</b>	MICA-CRSE <b>40(55LB)</b>	ARC-FIBER-F <b>25(25LB)</b>	MILLPLUG <b>25(55LB)</b>	ARC-FIBER-C <b>25(25LB)</b>	FLO-TROL <b>30(25KG)</b>					
BIT DATA	Bit Number <b>3</b>	IADC <b>S423</b>	Size <b>22</b>	Manufacturer <b>ULTR</b>	Serial Number <b>64229</b>	Type <b>RPS816S / 12 X 12 /</b>	Jets <b>1.325</b>	TFA <b>2796</b>	MD In <b>5080</b>	MD Out <b></b>	TVD Out <b></b>					
	Feet <b>50</b>	Hours <b>100</b>	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure GPM <b>1300</b>	Jet Vel DP Av <b>800</b>	DC Av <b>194</b>	Bit HHP <b>43.21</b>	Bit HHP <b>47.62</b>	Bit HHP <b>140</b>
DRILL STRING	Float <b>Y</b>	BHA Hrs: <b>60.5</b>	Slack Off <b>269</b>	Rot. Torque <b>2700</b>	Jars: Serial #/Hrs <b>/</b>				/ <b>60.5</b>			Shock Sub: <b>/</b>	<b>17</b>		Mud Motor: <b>/</b>	
	String Wt. <b>269</b>	Pick Up <b>269</b>	Component <b>269</b>	Provider <b>269</b>	Nominal Size <b>2700</b>	# Joints <b>2700</b>	OD Size <b>2700</b>	ID Size <b>2700</b>	Length <b>2700</b>	Top Thread <b>2700</b>	Bottom Thread <b>2700</b>	Weight <b>2700</b>	Grade <b>2700</b>	Class <b>2700</b>	Serial # <b>2700</b>	
	1	Bit	ULTR	22	1	22	0	1.9	7-5/8 REG			0			64229	
	2	Near Bit Roller Reamer	ARM	22	1	22	3	10.15	7-5/8 REG	7-5/8" REG	7-5/8" REG	0			0611343-33	
	3	Drillcollar	RIG	9.5	1	9.5	3	30.64	7-5/8" REG	7-5/8" REG	7-5/8" REG	0			7777	
	4	Roller Reamer	ARM	22	1	22	3	9.79	7-5/8" REG	7-5/8" REG	7-5/8" REG	0			1730409-6	
	5	Drillcollar	RIG	9.5	1	9.5	3	28.56	7-5/8" REG	7-5/8" REG	7-5/8" REG	0			195786	
	6	Roller Reamer	ARM	22	1	22	3	9.05	7-5/8" REG	7-5/8" REG	7-5/8" REG	0			185746-1	
	7	Drillcollar	RIG	9.5	12	9.5	3	355.29	7-5/8" REG	7-5/8" REG	7-5/8" REG	0			SANAD	
	8	Hydraulic Jar	OJR	8.5	1	9.5	3	33.14	-5/8" REG	-5/8" REG	-5/8" REG	0			10694701	
	9	Drillcollar	RIG	9.5	3	9.5	3	87.86	-5/8" REG	-5/8" REG	-5/8" REG	0			SANAD	
	10	Crossover	RIG	9.5	1	9.5	2.875	2.88	6-5/8"REG	6-5/8"REG	6-5/8"REG	0			7115	
	11	Drillcollar	RIG	8.5	6	8.5	2.875	181.38	6-5/8"REG	6-5/8"REG	6-5/8"REG	0			SANAD	
	12	Crossover	RIG	8.5	1	8.5	3	2.7	6-5/8"FH	6-5/8"FH	6-5/8"FH	0			9392-6	
	13	Heavy Weight Drillpipe (HWDP)	RIG	6.625	9	6.625	4.437	277.03	6-5/8"FH	6-5/8"FH	6-5/8"FH	0			SANAD	
	14	Crossover	RIG	8.5	1	8.5	3.04	2.43	6-5/8"FH	XT-54	XT-54	0			797-87	
	15	Heavy Weight Drillpipe (HWDP)	RIG	5.5	9	5.5	3.25	272.43	XT-54	XT-54	XT-54	0			SANAD	
	16	Drillpipe	RIG	5.5	1	5.5	4	0				0			SANAD	
Miscellaneous	BOP Test <b>02/23/2023</b>	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting <b>DAILY</b>									
	Real-Time Data Quality	Sensors Quality <b>99%</b>	Data Frequency <b>100%</b>	Real-Time Hrs <b>11.49/24 hrs</b>												
Personnel and Services Information	COMPANY	SCD	ULT	TGC	RIG	EMC	MJH	GEI	BR1	RIG	ARM	ARM	RWC	Total <b>86</b>		
	CATEGORY	ISS	BITS	CTR	RIG	DFMS	SEC	ISPCT	MLS	OTHR	OTHR	WSC	WTSE			
	NO. OF PERSONS	2	2	17	39	1	8	4	0	6	2	4	1			
	OPERATING HRS.	0	24	0	24	24	24	24	0	24	24	24	12			
	ON LOCATION HRS.	12	24	24	24	24	24	24	0	24	24	24	24			
Trucks/Boats	Standby/Tankers <b>AB-5572</b>	RIG AMBULANCE	1ST RIG PICK UP	2ND RIG PICK UP												
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>302</b>	Barite- SX <b>188</b>	Bentonite - SX <b>138</b>	Cement G- SX <b>1450</b>										
REPAIR ASAP	Instrumentation	Other	Computer, Communication & V-Sat Issues											Reporter		

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HWYH-337 (SIDETRACK &amp; DRILL LATERAL ACROSS ARAB-D.)</b> Charge (71- 23053-#: <b>0337</b> ) Wellbores: (0) HWYH_337_0	Rig <b>NBR-982S</b>	Foreman(s) <b>HEMID, METWALLI MOHAMED/ BOUZERARA, MOHAMMED/ ALMARRI, SAUD MUTAB/ HAJRI, ASKAR SAUD</b>
	Engineer Superintendent <b>THURAYA</b>	RIG FORMAN VSAT <b>008821677714140</b>	CONTRACTOR/CLERK VSAT <b>013-5770298 013-5770920</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>9085</b>	<b>R/D ON UTMN-1411, MOVE &amp; R/U ON HWYH-337, RIG MAINTENANCE.</b>	<b>MOVE &amp; R/U ON HWYH-337, RIG MAINTENANCE.</b>	<b>209 KM FROM DHAHRAN MAIN GATE</b>	<b>3.1 (@)</b>	
Prev. Depth <b>9100</b>	Liner Size <b>7</b>	TOL <b>1714</b>	MD <b>6750</b>	TVD	Last Csg Size MD TVD Footage <b>9 5/8 3602 3602 -15</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
<b>12.0</b>	<b>0500 - 1700 0</b>			<b>N</b>	<b>RM</b>	<b>RM</b>	<b>NA</b>	<b>RIG</b>	<b>0</b>	<b>0</b>			<b>HELD PRE JOB SAFETY MEETING WITH ALL INVOLVED PARTIES.</b>	<b>- R/D 100% ON UTMN-1411, R/M 95%, R/U 60%.</b>		
													<b>&gt;&gt; SAFELY MOVE OFFICES.</b>	<b>&gt;&gt; SPOT SUB-BASE &amp; CONNECT MAST SECTIONS ..... IN PROGRESS.</b>	<b>= = = = =</b>	
													<b>&gt;&gt; HWYH-337: SECURED BY RPKU-2 W/ PXN-PLUG BELOW PKR, WHP= 0 PSI.</b>			
<b>12.0</b>	<b>1700 - 0500 0</b>			<b>N</b>	<b>MAIN</b>	<b>OTH</b>	<b>NA</b>	<b>RIG</b>	<b>0</b>	<b>0</b>			<b>RIG MAINTENANCE:</b>	<b>&gt;&gt; REMOVED OLD SCR A/C UNITS.</b>	<b>&gt;&gt; REMOVED THE STEP-DOWN TRANSFORMER...IN PROGRESS.</b>	<b>&gt;&gt; PLANNED MAINTENANCE DAYS: 0.5/1 DAILY/TOTAL DAYS.</b>

**ODF CORRECTION:**

**RIG MOVE DATA**

**>> 5 CRANES, 2 FORKLIFTS, 22 TRUCKS, 1 GENIE LIFT, 2 X RIGGER I, 4 TRUCK PUSHERS ALL WITH VALID CERTIFICATES.**  
**>> RIG MOVE DISTANCE: 51.0 KM, DAYS SINCE RIG RELEASED: 6.7 DAYS.**

**SAFETY**

**>> HELD DAILY SAFETY/ OPERATIONAL MEETINGS WITH ALL INVOLVED PERSONNEL.**

**PERSONNEL ON BOARD**

**>> ZUBAIR KHAN ID 8071178 SAWOD SAFETY ADVISOR FOR RIG MOVE ASSISTANCE SINCE 02/22/2023.**

**>> ARAMCO CLERK KHALID Y. ZHARANI ID # 798410 ON LOCATION SINCE 02/12/2023.**

**DIESEL REPORT**

**>> DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP): (DAILY: 0 BBLS / TOTAL: 0 BBLS).**

**NEXT WELLS**

**>> HWYH-245: STRIP OUT 0%, LOCATION 0%.**

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS				
<b>MUD DATA</b>															
<b>MUD TREATMENT</b>															
<b>BIT DATA</b>															
<b>DRILL STRING</b>															
<b>BOP Test</b>															
<b>Miscellaneous</b>															
<b>Real-Time Data Quality</b>															
<b>No Transmission</b>															
<b>Personnel and Services Information</b>	<b>COMPANY</b>		<b>TGC</b>	<b>RIG</b>	<b>OES</b>	<b>ASH</b>	<b>KCT</b>	<b>ARM</b>	<b>OTH</b>	<b>ARM</b>	<b>Total 135</b>				
	<b>CATEGORY</b>		<b>CTR G</b>	<b>RIG</b>	<b>DFMS</b>	<b>FLD</b>	<b>MEON</b>	<b>OTHR</b>	<b>VAC</b>	<b>WSC</b>					
	<b>NO. OF PERSONS</b>		<b>18</b>	<b>48</b>	<b>1</b>	<b>1</b>	<b>62</b>	<b>1</b>	<b>2</b>	<b>2</b>					
	<b>OPERATING HRS.</b>		<b>0</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>1</b>	<b>24</b>					
	<b>ON LOCATION HRS.</b>		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>					
Trucks/Boats	Standby/Tankers														
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX									

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Date	Well No (Type) :	Rig	Foreman(s)
MONDAY 02/27/2023	JLMN-200 (JLMN-200_0 IS A VERTICAL/HORIZONTAL APPRaisal WELL TARGETING SARAH REServoir ) Charge #: (85- 22714- 1286) Wellbores: (0-2) JLMN_200_2	NBR- 987S	ADEYEMI, RAFIU ADEMOLA/ FETHIZA TEDJANI, HAMZA/ Superintendent BATYOUR, ABDULAZIZ MOHAMMED
THURAYA	RIG FORMAN VSAT 008821677712135 577-6145	OTHER VSAT 577-6135	CONTRACTOR/CLERK VSAT 577-6141

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
14017	RUN & PT 4-1/2",15.1# VTHC COMPLETION. M/U HGR & SET ON WH. CHC & CMT CSG.	1141 KM DMG, 70 KM FROM ARAR OR 110KM FROM TARAIF ON TURAIF HIGHWAY, TAKE RIGHT 90 KM SKID ROAD	143.7 (10/05/2022@2000)	QBHS 13250 23' DEEPER SARH 13310 8' DEEPER QASM 13477 60' SHALLOWER	
Prev. Depth	Liner Size	TOL MD TVD	Last Csg Size	MD TVD	Footage Circ %
14017	7	9271 14235 13358	9 5/8	10127 10127	0 100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
00.2	0500 - 0515	0-2		C	COMP	PTST	BP	RIG	14017	14017			ALMANSOORI SLICKLINE RIH WITH INTERWELL PLUG WITH TIME SET AT 3 HRS TO 5313'. SET PLUG & POOH WITH S/L.
01.0	0515 - 0615	0-2		C	COMP	PTST	TBG	RIG	14017	14017			PRESSURE TEST 4-1/2" CASING TO 3000 PSI X 10MIN OK.
02.2	0615 - 0830	0-2		C	COMP	HT	RBP	INW	14017	14017			ALMANSOORI SLICK LINE M/U RETRIEVING TOOL & RETRIVED INTERWELL PLUG TO SURFACE. L.D PLUG & R/D SLICKLINE.
06.5	0830 - 1500	0-2		C	COMP	RPCS	UPCOM	ITS	14017	14017	5499	10378	ITS CSG RUN 4-1/2",15.1#, VTHC CSG WITH CRT, M/U WITH TONG & JAM UNIT. DEPLOY 3.701" D2 FLOATING DRIFT & FILL EVERY JOINT RUN WITH HOSE. (253/340 JTS).  *BRK CIRC EVERY 40 JTS. * KPI: 14 JT/HR, ACTUAL: 18.3 JT/HR.
01.2	1500 - 1615	0-2		C	COMP	CIRC	MPMP	RIG	14017	14017			CIRCULATE ONE ANNULAR VOLUME.
05.0	1615 - 2115	0-2		C	COMP	SET	PLUGT	INW	14017	14017	4940	4940	HELD PJSM, R/U & PT ALMANSOORI SLICKLINE LUBRICATOR TO 4000 PSI, M/U INTERWLL PLUG & SET @ 4,940'. POOH SETTING TOOL.
00.5	2115 - 2145	0-2		C	COMP	PTST	TBG	RIG	14017	14017			PRESSURE TEST 4-1/2" CASING TO 3000 PSI X 10MIN OK.
02.2	2145 - 0000	0-2		C	COMP	HT	RBP	INW	14017	14017			ALMANSOORI SLICK LINE M/U RETRIEVING TOOL & RETRIVED INTERWELL PLUG TO SURFACE. L.D PLUG & R/D SLICKLINE.
05.0	0000 - 0500	0-2		C	COMP	RPCS	UPCOM	ITS	14017	14017	10378	10380	ITS CSG RUN 4-1/2",15.1#, VTHC CSG WITH CRT, M/U WITH TONG & JAM UNIT. DEPLOY 3.701" D2 FLOATING DRIFT & FILL EVERY JOINT RUN WITH HOSE. (337/340 JTS).  *BRK CIRC EVERY 40 JTS. * KPI: 14 JT/HR, ACTUAL: 16.8 JT/HR

WELL OBJECTIVES: JLMN-200\_0 IS A VERTICAL/HORIZ APPRAISAL WELL LOCATED WITHIN THE HIGH-PRESSURE ZONE IN THE CORE AREA OF NORTH ARABIA.

PROPOSED TD FOR THE VERTICAL WELL IS 13,886 FT WHICH IS 250 FT IN QASIM FORMATION, LOGGED AND SIDETRACKED TO DRILL  
HORIZONTALLY WITH AN EFFECTIVE LATERAL LENGTH OF 3,000 FT IN SARAH FOR A MULTISTAGE FRAC STIMULATION.

=====

DIRECTION: 1141 KM F/DMG. 437 KM AFTER RAFHA ON RAHFA-TURAIF HWY, (LOCATE MILEAGE POST OF 110KM TO TURAIF) TURN RIGHT INTO SKID ROAD AND DRIVE 90KM TO THE RIG.

CALL NBR-987S MEDIC OR ARAMCO CLERK AT 013-577-6141 PRIOR TO TURNING OFF MAIN BLACKTOP.

PROVIDE CLERK - NAME OF COMPANY, NUMBER OF PERSONNEL, COLOR OF VEHICLE AND EMERGENCY CONTACT NUMBER OF BASE PERSONNEL.

NIGHT DRIVING BY 3RD PARTY PERSONNEL IS NOT RECOMMENDED.

=====

ARAMCO CLERK - ABDUL RAHMAN ALI LIAQAT- BADGE #8157053 - ARRIVED ON LOCATION - 05/17/2022.

ARAMCO FOREMAN ROBERT DYER ON LOCATION SINCE 02/21/23.

=====

ALI M AL AJINAH TRADE & CO LLC -VAC TANKER #1 - ON LOCATION -12/21/2022-08:00 HRS / PLATE -1350 TRA, DOOR -2008-62 / DRIVER -(DRSS #: 1003849089)

ALI M AL AJINAH TRADE & CO LLC -VAC TANKER #1 - ON LOCATION -01/06/2023-10:00 HRS / PLATE -3449 NBA, DOOR -2010-5 / DRIVER - (DRSS #: 1003849089)

LTI FREE DAYS: 1240  
 JSA REVISED: 0, JSA REVIEWED: 9, PTW: 6, LOTO: 0  
 TOTAL SOC'S: 24, STOP WORK: 10, NM:1, DRILLS: 21 (1-TRIP DRILL, H2S DRILL)

IN-HOUSE AUDIT 20-FEB-23: AUDIT ITEMS: 37, CLOSED ITEMS: 23. REMAINING  
 OPEN: 14  
 3MCI 1ST Q AUDIT -09-JAN-23: AUDIT ITEMS: 74, CLOSED ITEMS: 71. REMAINING  
 OPEN: 3

\*\*PERFORMED TRS AUDIT, JSA & CHECKLIST.

#### DOWNHOLE RENTAL TOOLS

COUGAR 4-3/4" D/A HYDRO-MECHANICAL DRILLING JAR W/ XT-39 CONN SN: DJ10-500-105 P/U ON 2/16/2023 @ 14:00 HRS.

NEXT CASING: 4-1/2" CASING @ 14,017' MD, 13,716.54 TVD (ABOUT 250' IN QASIM)

NEXT WELL LOCATION: JLMN-72, (100% READY)

#### Remarks

HAMZA T. FETHIZA, ARAMCO D.E ID#: 177352 ON LOCATION ON 02-25-2023

ABDULTAYEB ALMASLOOM, ARAMCO D.E ID#: 8474810 ON LOCATION ON 02-21-2023.

Lateral	Survey MD		Angle	Azimuth		CLength		TVD		N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec		DLS	
MUD DATA	Weight 93 PCF	Funnel Vis. 85 SEC	Filtrate(WL) 2.8 HTHP	Filtrate (WL) API	PV 35	YP 19	Electrical Stability 955 Volts	3/6 RPM 10 / 11	Gels Sec/Min 12 / 17	PH	CA PPM	CL PPM 48000							
	FL Temp 0	Cake HTHP 2	Cake API 0	Water Vol. % 15	Oil Vol. % 59	Solids Vol. % 26	Sand Vol. % 0	% LGS 4.87	MBT 0	Mud type INVER	Water Well # JLMN-822								
	Weight 93 PCF	Funnel Vis. 85 SEC	Filtrate(WL) 2.8 HTHP	Filtrate (WL) API	PV 35	YP 19	Electrical Stability 955 Volts	3/6 RPM 10 / 11	Gels Sec/Min 12 / 17	PH	CA PPM	CL PPM 48000							
	FL Temp 0	Cake HTHP 2	Cake API 0	Water Vol. % 15	Oil Vol. % 59	Solids Vol. % 26	Sand Vol. % 0	% LGS 4.87	MBT 0	Mud type INVER	Water Well # JLMN-822								
MUD TREATMENT																			
BIT DATA																			
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #					
Miscellaneous	BOP Test 02/16/2023	BOP Drills		Wind SEASONAL	Sea N/A		Weather SEASONAL	DSLTA		Safety Meeting 2X DAILY									
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency		100%	Real-Time Hrs			11.49/24 hrs					
Personnel and Services Information	COMPANY		INW	ITS	GOS	RIG	BDF	MJH	CTC	HMS	AJM	ARM	SCM	OTH	MSL	ARM	CAM	Total 112	
	CATEGORY		BRCR	CSR	CTRG	RIG	DFMS	SEC	JST	MLS	OTHR	OTHR	PCS	RENT	SLS	WSC	WHES		
	NO. OF PERSONS		2	8	15	59	2	4	0	3	2	3	3	4	4	2	1		
	OPERATING HRS.		12	24	0	24	24	24	0	24	12	12	24	24	12	24	24		
	ON LOCATION HRS.		24	24	24	24	24	24	0	24	24	24	24	24	24	24	24		
Trucks/Boats	Standby/Tankers <b>DH-7507</b>																		
BULK	Drill Wtr.-BBLS <b>1000</b>	Pot Wtr.- BBLS <b>300</b>		Fuel- BBLS <b>326</b>		Barite- SX <b>127</b>		Bentonite - SX <b>33</b>		Cement G- SX <b>2000</b>									
REPAIR ASAP	Instrumentation		Other Computer, Communication & V-Sat Issues																Reporter

Date	MONDAY 02/27/2023	Well No (Type) :	HRDH-2370 (MK-1 S SHAPE 150 FT INTO PUZU)	Rig PA- 70S	Foreman(s) <u>ELSAYED, MOUSTAFA ABBAS/ MOHAMED, AHMED</u> <u>ABDALLA MAHMOUD/</u>
Engineer					<u>CARO MENDOZA, JUAN CARLOS/</u> <u>QAHTANI, MOHAMMED TURKI</u>
Superintendent					

Depth <b>0</b>	Last 24 hr operations <b>R/U ON NEW WELL HRDH-2370.</b>	Next 24 hr plan <b>COMPL. R/U ON HRDH-2370, ACCEPT RIG. SPUD IN HRDH-2370, DRILL 28" HOLE.</b>	Location <b>N-2646003.00, E-301896.00 --- 28 KLM IN YEBRIN ROAD, FOLLOW SIGN BOARD</b>	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops
Prev. Depth <b>0</b>	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ % <b>0</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations					
									Start	End	Start	End						
24.0	0500 - 0500	0		M	RM	RM	NA	RIG	0	0			<b>HELD PRE-TOUR MEETING WITH ALL PERSONNEL AND DISCUSS RIG UP ACTIVITIES AND SAFETY.</b>					
													<b>GENERAL RIG UP OPERATIONS.</b>					
													<b>&gt; INSTALL CELLAR PUMP... ONGOING.</b>					
													<b>&gt; R/U FLARE LINE &amp; VENT LINE ... ONGOING.</b>					
													<b>&gt; R/U FLARE LINE &amp; TEST SAME... ONGOING.</b>					
													<b>&gt; PRESSURE TESTED SURFACE LINES - 3000PSI - TESTED OK.</b>					
													<b>&gt; PICK UP BHA... ONGOING.</b>					
													<b>&gt; PICK UP 30 STD'S OF DRILL PIPE.</b>					
													<b>&gt; RAN AND INSTALL H2S CASCADE SYSTEM AND ALARMS... ONGOING.</b>					
													<b>&gt; REVIEW PRE-SPUD CHECKLIST AS PER ARAMCO POLICY CLOSED OUT ANY OPEN ITEMS... ONGOING.</b>					
													<b>&gt; M/U FIRE WATER LINES &amp; TESTED FIRE PUMP.</b>					
													<b>&gt; FUNCTION TEST H2S ALARMS SYSTEM... ONGOING.</b>					
													<b>&gt; FUNCTION TEST CELLAR PUMP... ONGOING.</b>					
													<b>&gt; FUNCTION TEST SCHL WASTE MANAGEMENT SYSTEM (SHAKERS, HOSES, PUMP); OK.</b>					
													<b>RIG UP: 98%</b>					

HRDH-2370 TO BE DRILLED AS MK-1 WELL TO BE DRILLED AS AN S-SHAPE WELL TARGETING UNAYZAH-BC RESERVOIRS. BASED ON OH LOGG AND MDT RESULTS, THE WELL WILL BE COMPLETED WITH MSF OR 15K CEMENTED LINER.

#### =====PERSONNEL=====

- > ARAMCO MATERIAL EXPEDITOR ABDULLAH AL YAMI #760318 ON LOCATION.
- > ARAMCO PDP FAISAL ALOWAIS # 809221 ON LOCATION.

#### =====VACUUM TANKERS=====

- > 7 VACUUM TANKER FROM ROBOUA ALSUMAN ON OLD LOCATION HRDH-2362.

#### =====OPERATIONS=====

- > SLB CUTTING RECOVERY SYSTEM ON LOCATION.
- > 2 X SLB BARITE SILOS ON LOCATION.

#### =====NEXT LOCATION=====

##### Remarks

DRILLING SUPT. MOHAMMED QAHTANI VISITED RIG DISCUSSED: SAFETY ALERTS, RIG MOVE PROGRESS, WASTE MANAGEMENT, SAFETY IMPROVEMENT, RIG PERFORMANCE, MANPOWER AND PERSONAL COMPETENCY, SERVICE COMPANIES COMPETENCY AND SAFETY AWARD PROGRAM.

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS							
<b>MUD DATA</b>																
<b>MUD TREATMENT</b>																
<b>BIT DATA</b>																
<b>DRILL STRING</b>	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
<b>Miscellaneous</b>	BOP Test	BOP Drills	Wind	NORMAL	N/A	SEASONAL		DSLTA	Safety Meeting	DAILY PRE TOUR						

Personnel and Services Information	COMPANY	GOS	RIG	EMC	SMI	MJH	RIG	ARM	MI3	ARM							Total <b>87</b>
	CATEGORY	CTRG	RIG	DFMS	DFMS	SEC	OTHR	OTHR	WMS	WSC							
	NO. OF PERSONS	15	44	1	1	8	10	1	5	2							
	OPERATING HRS.	0	24	24	24	0	12	12	24	24							

	ON LOCATION HRS.	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers <b>AB-5327</b>									
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>481</b>	Barite- SX <b>320</b>	Bentonite - SX <b>90</b>	Cement G- SX <b>4800</b>				
REPAIR ASAP	Instrumentation	Other								Reporter

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HRDH-6000 (MMK-1 VERTICAL TO 150 FT INTO PUZU)</b> Charge (66- 22058- #: 6000) Wellbores: (0) HRDH_6000_0	Rig <b>PA- 218S</b>	Foreman(s) <b>OMRAN, MOHAMED ABDELMONEM/ BEN SADA, ABDELKADER/ ALJOHAR, MOHAMMAD KHALID/ ALJAFAR, ABDUL-RAZZAQ JABER/</b> Engineer Superintendent <b>NAJIM, KHALID YOUSEF</b>
		THURAYA <b>008821677712367 6739089</b>	RIG FORMAN VSAT <b>880-6107 6771163</b>

Depth <b>0</b>	Last 24 hr operations		Next 24 hr plan		Location						Days Since Spud/Comm (Date)		Formation tops					
Prev. Depth <b>0</b>																		
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Start	End	Start	End	Summary of Operations			
24.0	0500 - 0500	0		N	RM	RU	NA	RIG	0	0					<b>HELD PJSM, RIG UP IN NEW LOCATION HRDH-6000.</b>  => PJSM, INSTALLED BRIDLE LINE, STRING IN DRLG LINE & PREPARE TO RAISE MAST. => CON'T WELD & REPAIR DITCH LINE ON MUD TANKS. => GENERAL RIG UP ON HRDH-6000. => CON'T CAT III INSPECTION ON HANDLING TOOLS ..... INC @ R/T. => CON'T MPI INSPECTION ON TUBULAR DC'S & HWDP .... INC @ R/T. => CONDUCTED CAT IV INSPECTION, UT, MPI, DIMENSION & VISUAL INSPECTION ON 5-1/2" DRILL PIPE IN PROGRESS.  => R/D100 % & R/M 100 % & R/U 55 %.  =>HELD DAILY SAFETY MEETING WITH ALL PERSONNEL INVOLVED IN RIG UP OPERATIONS HAZARDS, COMMUNICATION, JOB SPECIFIC JSA & LIFT PLAN TO LIFT HEAVY MATERIALS, STAYING FOCUSED, FALL PROTECTION ALWAYS, OVER HEAD LOADS, SLIPS, TRIPS, FALLS.			

HRDH-6000 IS PLANNED TO BE DRILLED AS A MMK-1 VERTICAL PILOT HOLE TO 150' INTO PUZU IN THE SOUTH-WEST FLANK OF HRDH FIELD, BASED ON OH LOGS, THE WELL WILL BE SIDETRACKED IN UNZA OR UNZB/C AND WILL BE COMPLETED WITH 15K MULTI-STAGE FRACTURING EQUIPMENT OR 15 K CEMENTED LINER.

===== ARAMCO PERSONNEL =====

>> ARAMCO MATERIAL EXPEDITOR ABDULLAH AL-ALI #813625 ON LOCATION SINCE 02/20/2023.

=====HSE=====

>> NEAR MISS: NONE.

>> HSE ALERTS: NONE.

>> DRILLS: NONE.

>> SAFETY OBS: 4483150,4483177, 4483212,4483237, 4483251,4483334.

>> 1 ST QTR 3MC: TOTAL FINDING 62 ITEMS & CLOSED = 59 ITEMS & OPEN ITEMS= 2 // 2ND RHSEI: 0 OPEN.

>> IMPLEMENTING CLOSED LOOP DRILLING PRACTICE.

=====THIRD PARTY PERSONNEL & EQUIPMENT=====

>> MI-SWACO DRY CUTTING SYSTEM FOR CLOSED LOOP DRILLING PRACTICE.

>>2 SLB BARITE SILOES ON LOCATION.

>> MI MUD ENG ON LOCATION SINCE 02/25/2023

===== RIG MOVE =====

RIG MOVE EQUIPMENT 5 EA CRANE5, 2 EA FORKLIFTS, 40 EAQ TRUCKS, 1 XSUPER TRUCK

>> SANAD LOADS DAILY/CUMULATIVE = 07/ 245 LOADS.

>> ARAMCO LOADS DAILY/CUMULATIVE= 2 / 32 LOADS.

>> RIG MOVE DISTANCE: 66 KM.

=====WELLSITE=====

>> NEXT WELL: HRDH-2407 (100% READY).

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS						
MUD DATA															
MUD															
TREATMENT															
BIT DATA															
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #	

Miscellaneous	BOP Test	BOP Drills	Wind <b>SEASON</b>	Sea <b>ONSHORE</b>	Weather <b>COLD</b>	DSLTA	Safety Meeting <b>PRE-TOUR MEETINGS.</b>			
	Real-Time Data Quality						No Transmission			
Personnel and Services Information	COMPANY	SWK	RIG	SMI	RIG	ARM	OTH	MI3	ARM	Total <b>91</b>
	CATEGORY	CTR G	RIG	DFMS	OTHR	OTHR	VAC	WMS	WSC	
	NO. OF PERSONS	14	45	1	19	1	6	2	3	
	OPERATING HRS.	0	24	0	12	12	10	0	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers									
	<b>ARAMCO PICK-UP AB-6506</b>									
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>310</b>	Barite- SX <b>80</b>	Bentonite - SX <b>65</b>	Cement G- SX <b>2500</b>				
REPAIR ASAP	Instrumentation	Other								Reporter
	Computer, Communication & V-Sat Issues									

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D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>GHZL-110 (GAS PRODUCER IN GHZL)</b>	Rig <b>PA- 326S</b>	Foreman(s) Engineer Superintendent <b>BOUHADDA, EL HADDI/ ALRASHEED, ABDULMALIK SALEH/ MOUSA, NEDAL ADEL</b>		
	Charge (66- 22075- #: 0110) Wellbores: (0) GHZL_110_0	THURAYA <b>+8821677711275</b>	RIG FORMAN VSAT <b>577-9327</b>	OTHER VSAT <b>577-9306</b>	CONTRACTOR/CLERK VSAT <b>577-9315</b>

Depth <b>0</b>	Last 24 hr operations <b>CONTINUE WITH RIG UP OPERATIONS, WAIT ON DAYLIGHT.</b>	Next 24 hr plan <b>CONTINUE WITH RIG UP OPERATIONS.</b>	Location <b>333 KMS FROM DHARHAR MAIN GATE</b>	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops				
Prev. Depth <b>0</b>	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage <b>0</b>	Circ %

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
13.0	0500 - 1800	0		N	RM	RU	NA	RIG	0	0			<p><b>HPJSM. CONTINUE WITH RIGGED UP OPERATIONS.</b></p> <ul style="list-style-type: none"><li>- INSTALLED DRAWWORKS &amp; POWER CABLES.</li><li>- INSTALLED MUD PUMPS 1 &amp; 2.</li><li>- INSTALLED CANRIG GRASHOOPER.</li><li>- POWERED DRAWWORKS.</li><li>- PERFORMED FUNCTION TESTS OF DRAWWORK &amp; ADJUSTED BREAK.</li><li>- INSTALLED DRILLING LINE &amp; PUTTED ON TENSION.</li><li>- PREPARED FOR TO RAISE MAST.</li><li>- MISCELENOUS WORKS.</li></ul> <p>* RIGGED DOWN: 100%, RIG MOVED: 100%, RIGGED UP: 55%.</p> <p>* DAYS SINCE RELEASE: 11.3 DAY INCLUDING 05.3 DAYS MAINTENANCE.</p> <p>* TOTAL LOADS: 199 SANAD/28 ARAMCO (227).</p> <p>* RIG MOVE DISTANCE: 20 KM (04 KMS SKID ROAD).</p> <p><b>PERSONNEL RESOURCES:</b></p> <ul style="list-style-type: none"><li>- 01 TRUCK PUSHERS SND / 01 RIGGER 1 / 02 FORKLIFT OPERATORS / 03 CRANE OPERATORS.</li></ul> <p><b>* RIG MOVE RESSOURCES:</b></p> <ul style="list-style-type: none"><li>- 01 WINCH TRUCK.</li></ul> <p>&gt; FINAL CLEAN UP LOCATION GHZL-107 DONE.</p>
11.0	1800 - 0500	0		M	SUSP	OTH	NA	RIG	0	0			<p><b>WAIT ON DAYLIGHT FOR TO RESUME RIG UP OPERATIONS (RAISE MAST).</b></p>

GHZL-110 IS PRODUCER WELL, WILL BE DRILLED AS DELINEATION ULTRA SLIM VERTICAL WELL TO 150' INTO PUZU GHZL FIELD, BASED ON OPEN HOLE LOGS THERE WILL BE 02 OPTIONS TO COMPLETE WELL VERTICAL COMPLETION WITH 15K 4 1/2" CEMENTED LINER OR SIDE TRACK & PRE SET INTO UNAYZAH FOR FUTURE UBCTD.

#### -----ARAMCO POB & VISITORS-----

- RIG CLERK NAEEM AKHTAR ID:8282413 ON LOCATION SINCE 1/17/20.
- HUSSAIN ALSHARIF ID#796753 FIELD COMPLIANCE TECHNICIAN ON LOCATION SINCE 2-17-2023.
- ARAMCO PDP KHALID ALSAIKHAN #820744 ON LOCATION SINCE 2/17/2023.
- CREW SHORTAGE: NONE.
- SAUDIZATION: 69 %.

#### -----ERP-----

GHZL-110 IS IN NON-POPULATED AREA, OUTSIDE SHALLOW GAS BOUNDARY/AREA.

1/2 LFL @ 94 M, RER 100 PPM @ 0 M & RER 30 PPM @ 0 M.

GOR: SCF/STB & H2S IS 0 MOLE % IN RESERVOIR.

RELIEF WELL: GHZL-69.

- MUJAHEDEEN ON LOCATION SINCE 2/23/2023.

#### -----SAFETY-----

DRILLS: 0.

JSA : 12 & PTW : 10.

NEAR MISS: 0.

OBSERVATIONS: 10.

#### -----AUDITS-----

2ND RHSEI 2022: FINDING 48/ CLOSED ITEMS 48.

2ND QTR 3MCI 2022|TOTAL 82 | 82 CLOSED.

3RD QTR 3MCI 2022|TOTAL 55 | 54 CLOSED - 1 OPEN ITEMS (P2 = 1).

4TH QTR 3MCI 2022|TOTAL 64 | 64 CLOSED.

**1ST QTR 3MC 2023 / TOTAL 64 / 36 CLOSED - 28 OPEN ITEMS (P2= 21 / P3 = 7).**

**NEXT ASSIGNED LOCATION GHZL-104 NOT YET READY.**

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
MUD DATA									
MUD TREATMENT									
BIT DATA									
DRILL STRING	Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #								
Miscellaneous	BOP Test	BOP Drills	Wind <b>NORMAL</b>	Sea <b>N/A</b>	Weather <b>COLD</b>	DSLTA	Safety Meeting <b>RIG MAINTENANCE / RIG UP OPERATIONS</b>		
	Real-Time Data Quality						<b>No Transmission</b>		
Personnel and Services Information	COMPANY	RIG	EMC	MJH	RIG	ARM	ARM	Total <b>86</b>	
	CATEGORY	RIG	DFMS	SEC	OTHR	OTHR	WSC		
	NO. OF PERSONS	44	1	7	31	2	1		
	OPERATING HRS.	24	12	24	12	12	13		
	ON LOCATION HRS.	24	24	24	24	24	24		
Trucks/Boats	Standby/Tankers <b>AB-6306</b>								
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX <b>4000</b>			
REPAIR ASAP	Instrumentation	Other							Reporter
	Computer, Communication & V-Sat Issues								

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Date	MONDAY 02/27/2023	Well No (Type) :	Rig PA- 529S	Foreman(s)	MOHAMED, MOHAMED MOSTAFA/ HAIGUANG, TIAN/ ALANAZI, ABDULAZIZ KHALAF/ DOSSARY, ABDULLAH RASHED/ AKBAR, HUSSAIN QASSIM
Charge #:	(72- 22072- 0064)	Wellbores: (0) SHYB_64_0	Engineer	THURAYA <b>008821677712151</b>	RIG FORMAN VSAT <b>578 8501</b>
			Superintendent		OTHER VSAT <b>578 8504</b>

Depth	Last 24 hr operations		Next 24 hr plan		Location	Days Since Spud/Comm (Date)	Formation tops
<b>15000</b>	<b>RIH HALLIBURTON SMART COMPLETION.</b>		<b>RIH HALLIBURTON SMART COMPLETION.</b>		<b>SHYB-65, SABKHA# 21 +/- 825 KM FROM DAHHRAN MAIN GATE</b>	<b>35.0</b> (01/23/2023@0500)	
Prev. Depth	Liner Size		TOL	MD	TVD	Last Csg Size	Footage
<b>15000</b>	<b>7</b>		<b>1423</b>	<b>7678</b>	<b>4984</b>	<b>9 5/8</b>	<b>4062</b>
						<b>3990</b>	<b>0</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
01.0	0500 - 0600	0		C	COMP	HT	PDHMS	HCO	14106	14106			PU ASSEMBLY #2 (3 1/2" 9.3# J-55 EUE PUP JOINT, HALLIBURTON HS-ICV #1, 3 1/2" 9.3# J-55 EUE PUP JOINT, 3.5" 9.2# VAM TOP L-80 B X 3.5" 9.3# EUE L-80 P X-OVER , PDHMS DUAL SENSOR GAUGE #1, 3.5" 9.2# VAM TOP L-80 B X 3.5" 9.3# EUE L-80 P X-OVER , 3 1/2" 9.3# J-55 EUE PUP JOINT) + 3-1/2 TBG JT 9.3# J-55 EUE.
00.8	0600 - 0645	0		C	COMP	DTU	DRFT	NSL	14106	14106			HPJSM, R/UP NSER SL EQUIP AND DRIFT COMPLETION ASSY #2. TO 35 FT W/ 2.86". - MONITOR WELL VIA TRIP TANK, STATIC LOSSES 4 BBLS/HR.
01.5	0645 - 0815	0		C	COMP	HT	CHAMP	HCO	14106	14106			PU & MU ASSY#3 (3 1/2" 9.3# J-55 EUE PUP JOINT, 3.5" 10.2# VAM TOP L-80 B X 3.5" 9.3# EUE L-80 P X-OVER, SPLICE SUB, 3.5" 9.2# VAM TOP L-80 B X P X-OVER, 7" HALLIBURTON PACKER #1, 3.5" 10.2# VAM TOP L-80 B X P X-OVER, SPLICE SUB, 3.5" 9.2# N VAM L-80 B X 3.5" 10.2# VAM TOP L-80 B X P X-OVER, 3.5" 9.2# N VAM L-80 PUP JOINT, 3.5" 9.3# EUE L-80 B X 3.5" 9.2# N VAM L-80 P X-OVER, 3 1/2" 9.3# J-55 EUE PUP JOINT)
00.8	0815 - 0900	0		C	COMP	DTU	GAUG	NSL	14106	14106			HPJSM, R/UP NSER SL EQUIP AND DRIFT COMPLETION ASSY #3. TO 35 FT W/ 2.86". - MONITOR WELL VIA TRIP TANK, STATIC LOSSES 4 BBLS/HR.
08.0	0900 - 1700	0		C	COMP	HT	CHAMP	HCO	14106	14106			CONNECT CONTROL LINES TO BOTTOM OF ASSY-3. CONNECT CONTROL LINES TO TOP OF ASSY-3 AND LINE TEST 7500 PSI / 10 MIN. FEED PDHMS CABLE THROUGH PACKER, TERMINATE TO GAUGE IN ASSY-2 AND CHECK SIGNAL.
01.5	1700 - 1830	0		C	COMP	HT	PKR	HCO	14106	14106			RIH JOINTS #4-8 OF 3-1/2" TUBING. HPJSM, R/UP NSER SL EQUIP AND DRIFT COMPLETION ASSY #4. TO 180 FT W/ 2.86". - MONITOR WELL VIA TRIP TANK, STATIC LOSSES 4 BBLS/HR.
00.8	1830 - 1915	0		C	COMP	HT	PDHMS	HCO	14106	14106			PU ASSY#4 (3 1/2" 9.3# J-55 EUE PUP JOINT, HALLIBURTON HS-ICV #2, 3 1/2" 9.3# J-55 EUE PUP JOINT, 3.5" 9.2# VAM TOP L-80 B X 3.5" 9.3# EUE L-80 P X-OVER PDHMS DUAL SENSOR GAUGE #2, 3.5" 9.2# VAM TOP L-80 B X 3.5" 9.3# EUE L-80 P X-OVER, 3 1/2" 9.3# J-55 EUE PUP JOINT).
00.5	1915 - 1945	0		C	COMP	DTU	GAUG	NSL	14106	14106			HPJSM, R/UP NSER SL EQUIP AND DRIFT COMPLETION ASSY #5. TO 35 FT W/ 2.86". - MONITOR WELL VIA TRIP TANK, STATIC LOSSES 4 BBLS/HR.
06.2	1945 - 0200	0		C	COMP	HT	PDHMS	HCO	14106	14106			FUNCTION ICVS: ICV #2: OPEN 2 STEPS / CLOSE - WITNESS ON THE RIG FLOOR ICV#2 OPEN 10 STEPS - WHILE WORKING W/ I-WIRE. ICV #1: CLOSE / OPEN 2 STEPS / CLOSE. TERMINATE PDHMS CABLE TO GAUGE IN ASSY-4 AND CHECK SIGNAL.
03.0	0200 - 0500	0		C	COMP	HT	TBG	HCO	14106	14106			RIH JOINTS #10-34 OF 3-1/2" TUBING. OPERATION INCOMPLETE AT TIME OF REPORT. - MONITOR WELL VIA TRIP TANK, STATIC LOSSES 4 BBLS/HR.

PA-529S RKB = 28.4'

ORKB =28 '

CORRECTION =- 0.4'

WING VALVE ORIENTATION: NORTH.

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WELL SEQUENCE AFTER SHYB-64, SHYB-529, SHYB-63, SHYB-531.

SHYB-529 (RE-ENTRY). KOM HELD MAY 14, 2022, STRIP OUT: 100%, WELLSITE: 100%, INSTALLED BPV FOR SHYB-529 WELL.

SHYB-63(MECHANICAL WORKOVER) KOM HELD 4 AUGUST 2022, STRIP OUT: 100%, WELLSITE: 100%.

SHYB-531(MECHANICAL WORKOVER) KOM HELD ON 9 FEB. 2023, STRIP OUT 0% WELL SITE: 0%

=====PERSONNEL=====

- ABDULLAH S ALOQAYALI MAT EXPED. ON LOCATION FROM 23-JAN-2023

- MAZEN ALGHAMDI #791206 FCT ON LOCATION 13-FEB-2023.
  - MOHAMED JAMAL #816323 MAT EXPED. ON LOCATION 13-FEB-2023.

#### **=SERVICE COMPANIES & RENTAL TOOLS=**

- SLB DRILLING JAR S.N 24366J ARRIVED LOCATION ON 23 JAN

## A-529 SAFETY DRILLS AND SAFETY OBSERVATIONS-

- OBSERVATIONS SUBMITTED: 7.**

- DISCUSS HSE ALERTS: 16-23, 17-23 AND 18-23 WITH THE CREW.

===== INFORMATION FOR DISPATCHING GROUP=====

- DAILY DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP): 34 BBL

- CUMULATIVE FOR CURRENT WELL: 1169 BBL

- TOTAL DIESEL FOR MONTH FEB 2023: 799 BBL

## Remarks

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Date	Well No (Type) :	Rig	Foreman(s)
MONDAY 02/27/2023	UTMN-3176 (UTMN-3176 IS PLANNED TO BE DRILLED AS K-2 VERTICAL WELL TO EVALUATE KHUFF AND PRE-KHUFF RESERVOIRS.) Charge #: (66- 22057- 3176) Wellbores: (0) UTMN_3176_0	PA- 604S	OGUNMOLATI, ADEWALE KAYODE/ BOUKHARI, BOUNOUAR/ SIAM, ABDELAZIZ/ MEQBEL, ALI NASSER
THURAYA	RIG FORMAN VSAT	FAX VSAT	CONTRACTOR/CLERK VSAT
008821677712894	880-6070/577-9338	880-6077/577-9331	880-6071/577-9333

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
12361	RUN 9-5/8" LINER TO SHOE CONDITION 1X BTM UP.	RUN TO BTM. SET LINER HGR. CHC / CONDITION. CEMENT 9.5/8" LINER IN PLACE. SET PACKER. POH SETTING. RUN POLISH MILL / SCRAPER ASSY.	UTMN-3176, 3.2 KM FROM UTMN GOSP-6, AFTER PASSED CMT FACTORY ON LEFT CONT. 26 KM	60.2 (12/25/2022@1900)	BJDM 10579 10579' TVD (44' HIGHER) MDJR 10907 10907' TVD (30' HIGHER) SUDR 11734 11733' TVD (06' DEEPER) SDDM 12046 12045' TVD (10' DEEPER) BSRD 12070 12068' TVD KHFF 12351 12350' TVD (01' HIGHER)
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size 13 3/8 MD 10609 TVD 10609 Footage 0 Circ % 100
12361					

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
01.5	0500 - 0630 0	12	N	CSG	RCSG	CSTR	FMC	12361	12361	80	171	MU / RIH WITH 9-5/8", 58.4#, TN-110HC, 3SB CSG SHOE-TRACK.  ** DHP REAMER SHOE+ 2 JTS+ FLT COLLAR+ 2 JTS+ LANDING COLLAR+ XO (TOTAL 4/48 JTS). ** FLUSH / TEST FLOATS WITH WATER ON V-DOOR. THREAD LOCK ALL SHOE TRACK CONNS.				
03.0	0630 - 0930 0	12	N	CSG	RCSG	CTRQ	FMC	12361	12361	171	1998	MU / RIH 9-5/8" LINER, TOTAL 48 JNTS (58.4# 58.4#, VM-110HC, VTHC-NB), FILL EA 5 JNTS.  ** 1 EA X BOW-SPRING CENTRALIZER ON EACH SHOE TRACK, THEN EVERY 3RD TO L/HGR.				
00.5	0930 - 1000 0	12	N	CSG	CIRC	MPMP	RIG	12361	12361			FILL STRING.				
00.5	1000 - 1030 0	12	N	CSG	OTH	LINR	ARM	12361	12361			MU 9.5/8" VTHC-NB SPACE OUT PJ+ CROSSOVER TO HGR ASSY.				
00.5	1030 - 1100 0	12	N	CSG	PJSM	LINR	RIG	12361	12361			HPJSM, REVIEW BAKER L/HANGER HANDLING JSA. CHANGE HANDLING GEAR.				
01.8	1100 - 1245 0	12	N	CSG	RCSG	HGR	BLH	12361	12361			M/U BAKER 9.5/8" X 13", 53.5# CTRL-SET FLEX LOCK LINER HGR+ ZXP TOP PKR ASSY+ RUNNING TOOL.  ** ALL HWDP / DP & DOWNHOLE CROSSOVERS / SUBS PRE-DRIFTED WITH 3"-2.875" PER BHI.				
02.2	1245 - 1500 0	12	N	CSG	CIRC	MPMP	RIG	12361	12361			CHANGE HANDLING GEAR. M/U XO+ #1 STD HWDP. CIRC 1X STRING VM. RECORD PARAMETERS.  ** PU / SO WTS @ 170K / 155K RESP. ** 9.5/8" 58.4# LINER WEIGHT @ 87K . ** (4.7, 5.7, 6.7) BPM @ (175, 225, 285) PSI.				
12.2	1500 - 0315 0	12	N	CSG	RW	CSG	RIG	12361	12361	2079	10609	TIH WITH 9.5/8" 58.4# LINER+ BAKER CSFL HGR / ZXP TOP PKR ASSY ON 5-1/2" HWDP / DP.  ** CTRL SPEED 3 MIN/STD (SLIP-SLIP) & FILL EA 10 STDs PER BHI. DISPLACEMENT OK.				
01.8	0315 - 0500 0	12	N	CSG	CIRC	MPMP	RIG	12361	12361			CIRC / CONDITION 1X BTM UP @ SHOE, TAKE PARAMETERS...ONGOING @RT.  ** (3, 4, 5, 6) BPM @ (240, 380, 480, 570) PSI RESP.				

UTMN-3176 IS PLANNED AS A VERTICAL K-2 JAUF WELL (200 FT INTO TAWIL) TO EVALUATE KHUFF (SECONDARY) AND PRE-KHUFF (PRIMARY) RESERVOIRS. THE WELL WILL BE COMPLETED WITH 4-1/2" 15K CEMENTED LINER.

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\*\* DIRECTIONS:

- THE WELL IS LOCATED 0.709 KM S28W OF UTMN-1999 AND 0.87 KM N17W OF UTMN-3177.

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CASING DEPTHS :

> 36" CONDUCTOR: PLAN @ 110 FT-MD/TVD. ACTUALLY @ 110 FT.  
 > 30" CONDUCTOR: PLAN @ 558 FT-MD/TVD (50' / RUS). ACTUAL 545 FT.  
 > 24" CASING: PLAN @ 2,704 FT-MD/TVD (50' / AHMD). ACTUAL 2,727 FT.  
 > 18-5/8": PLAN @ 4,963 FT-MD/TVD (50' / MDTM). ACTUAL 4,382 FT  
 > 13-3/8" CASING: PLAN @ 10,653 FT-MD/TVD (30' / BJDM).  
 > 9-5/8" CASING: PLAN @ AT 12,361' MD (10' TVD INTO KHFT).  
 > 7" LINER: PLAN @ AT 13,780' MD (450' TVD INTO KFDA).  
 > 4-1/2" LINER: PLAN @ 14,773 FT-MD/TVD (200' / TAWIL).

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RIG KPI'S:

\*\* DP TOH KPI, 19 STD/HR: TODAY: 21 STD/HR.  
 \*\* RUN 36" CSG (BEVEL / PLAIN END): N/A.  
 \*\* RUN 30" CSG: 3 JT/HR. ACTUAL: 4 JT/HR.  
 \*\* RUN 24" CSG: 4 JT/HR. ACTUAL: 5 JT/HR.  
 \*\* RUN 18-5/8" CSG: 7 JT/HR. ACTUAL: 8.2 JT/HR.  
 \*\* RUN 13-3/8" CSG: 11.5 JT/HR. ACTUAL: 11.5 JT/HR.  
 \*\* RUN 9-5/8" CSG: 14 JT/HR. ACTUAL: XX JT/HR.  
 \*\* 7" LINER KPI: 14 JT/HR/ACTUAL: XX JTS/HRS

\*\* 4-1/2" TBG KPI: 13 JT/HR / ACTUAL: XX JT/HR

\*\* 4-1/2" UPPER COMPLETION KPI: 13.5 JT/HR / ACTUAL: XX JT/HR.

#### WELLHEAD KPI'S:

\*\* INSTALL 24" SOW X 26-3/4" 3M CHH KPI: 6.5 HR / ACTUAL: 5.5 HR.

\*\* INSTALL 26-3/4" 3M X 18-3/4" 5M CHS KPI: 5 HR / ACTUAL: 2.75 HR.

\*\* INSTALL 18-3/4" 5M X 13-5/8" 10M CHS KPI: 5 HR / ACTUAL: 3.5 HR.

\*\* INSTALL 13-5/8 10M X 11" 10M WELLHEAD KPI: 4 HR / ACTUAL: XX HR.

\*\* ARAMCO MATL EXPEDITOR, RASHEED AL QAHTANI, #8428880, ON LOC EFFECTIVE 23-FEB-2023.

\*\* ARAMCO DE, SIAM ABDELAZIZ ID# 177364 ON LOC EFFECTIVE ON 26-FEB-23.

\*\* ARAMCO FIELD COMPLIANCE HSE ADVISOR: BOUTI DJAFRI #8820331 ON LOCATION SINCE 02/26/23.

\*\* ARAMCO PDP MOHAMMED ALRAJHI ID# 813109 ON LOC EFFECTIVE ON 02/26/23.

\*\* ARAMCO PDP NAWAF ALBASSAM ID# 786195 ON LOC EFFECTIVE ON 02/26/23.

\*\* DAILY COMMUNICATION CHECKS WITH ADC-36 (LOCATED 1576 METERS SW & INSIDE RER 100 PPM).

\*\* PTW:10. JSA:14.

\*\* STOP CARDS: TODAY:30. MTD:760.

\*\* SWA:08. SWA DRILL: 01.

\*\* DRILLS:02, CONFINED SPACE RESCUE DRILL, SWA DRILL.

\*\* REVIEWED: HSE ALERTS 20-23, 21-23, 22-23 AND 23-23.

\*\* NM REPORT:NONE.

#### RENTAL EQPT:

\*\* SLB 8-1/2" HYD DRLG JAR, SN:46280JA ON LOCATION 11-FEB-202.

#### CREW SHORTAGE: RIG = NIL

\*\* ASSIGNED WATER WELLS: UTMN-3517 & UTMN-3535.

#### WELL SITE CONTRACTOR EQUIPMENT ON LOCATION:

- 4 EA X AL JAZEERA VACUUM TANKER (WASTE WATER EVAC).

NEXT WELL: UTMN-2341 LOCATION CONSTRUCTION @ 80 %.

#### Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS					
MUD DATA	Weight <b>135</b>	PCF	Funnel Vis. <b>75</b> SEC	Filtrate(WL) <b>1</b> HTHP	Filtrate (WL) API	PV <b>54</b>	YP <b>18</b>	Electrical Stability <b>902</b> Volts	3/6 RPM <b>9 / 10</b>	Gels Sec/Min <b>12 / 16</b>	PH <b>0</b>	CA PPM	<b>0</b>	CL PPM <b>194636</b>						
	FL Temp <b>135</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>8.5</b>	Oil Vol. % <b>49</b>	Solids Vol. % <b>42.5</b>	Sand Vol. % <b>0</b>	% LGS <b>6.5</b>	MBT	Mud type <b>INVER</b>	Water Well # <b>UTMN-3517, UTMN-3535</b>									
	Weight <b>135</b>	PCF	Funnel Vis. <b>74</b> SEC	Filtrate(WL) <b>1</b> HTHP	Filtrate (WL) API	PV <b>54</b>	YP <b>17</b>	Electrical Stability <b>900</b> Volts	3/6 RPM <b>9 / 10</b>	Gels Sec/Min <b>12 / 16</b>	PH <b>0</b>	CA PPM	<b>0</b>	CL PPM <b>194636</b>						
	FL Temp <b>135</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>8.5</b>	Oil Vol. % <b>49</b>	Solids Vol. % <b>42.5</b>	Sand Vol. % <b>0</b>	% LGS <b>6.5</b>	MBT	Mud type <b>INVER</b>	Water Well # <b>UTMN-3517, UTMN-3535</b>									
MUD TREATMENT																				
BIT DATA	Bit Number <b>11</b>	IADC <b>S423</b>	Size <b>12</b>	Manufacturer <b>CDB</b>	Serial Number <b>260487</b>	Type <b>T1657S / 8 X 16 / 1.571</b>	Jets <b>10609</b>	TFA <b>12361</b>	MD In	MD Out	TVD Out									
	Feet <b>40</b>	Hours <b>130</b>	WOB <b>1</b>	RPM <b>1</b>	I-Row <b>WT</b>	O-Row <b>A</b>	G <b>X</b>	Pressure <b>0</b>	GPM <b>4250</b>	Jet Vel <b>650</b>	DP Av <b>133</b>	DC Av <b>140.06</b>	Bit HHP <b>222.04</b>							
DRILL STRING	Float <b>Y</b>																			
	BHA Hrs: <b>88.5</b>																			
Miscellaneous	String Wt. <b>370</b>	Pick Up <b>374</b>	Slack Off <b>368</b>	Rot. Torque <b>17000</b>			Jars: Serial #/Hrs			/ <b>88.5</b>	Shock Sub:	/ <b>0</b>	Mud Motor:	/						
	Order BOP Test <b>02/13/2023</b>	Component BOP Drills <b>2</b>	Provider Wind <b>HIGH (SE-NW)</b>	Nominal Size Sea <b>N/A</b>	# Joints Weather	OD Size <b>HIGH-WINDS CLOUDY</b>	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #						
Real-Time Data Quality															Safety Meeting <b>2 X SAFETY MEETING.</b>					
Sensors Quality															10.74/24 hrs					
Personnel and Services Information	COMPANY	CDB <b>BITS</b>	FMC <b>CSR</b>	GOS <b>CTRG</b>	RIG <b>RIG</b>	BAR <b>DFMS</b>	EMC <b>DFMS</b>	SMI <b>SEC</b>	MIF <b>FILT</b>	BLH <b>LHES</b>	SPS <b>LWD</b>	WUD <b>MPD</b>	HMS <b>MLS</b>	RIG <b>OTHR</b>	ARM <b>OTHR</b>	SJC <b>PCS</b>	OTH <b>VAC</b>	ARM <b>WSC</b>	Total <b>106</b>	
	CATEGORY																			
	NO. OF PERSONS	<b>0</b>	<b>3</b>	<b>15</b>	<b>41</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>8</b>	<b>1</b>	<b>2</b>	<b>7</b>	<b>4</b>	<b>5</b>	<b>5</b>	<b>3</b>	<b>4</b>	<b>2</b>		
	OPERATING HRS.	<b>0</b>	<b>10</b>	<b>0</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>18</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>10</b>	<b>24</b>		
	ON LOCATION HRS.	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>		
Trucks/Boats	Standby/Tankers <b>AB-6514</b>																			
BULK	Drill Wtr.-BBLS <b>1000</b>	Pot Wtr.- BBLS <b>800</b>	Fuel- BBLS <b>488</b>	Barite- SX <b>114</b>	Bentonite - SX <b>106</b>	Cement G- SX <b>3260</b>														
REPAIR ASAP	Instrumentation		Other																Reporter	
Computer, Communication & V-Sat Issues																				

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>UTMN-3700 (TO EVALUATE THE HYDROCARBON POTENTIAL OF KHUFF-C &amp; UNYZ-C RESERVOIRS)</b> Charge #: <b>(75- 21057- 3700)</b> Wellbores: (0) UTMN_3700_0	Rig <b>PA- 622S</b> Foreman(s) <b>BOTERO HOYOS, HAROLD ALBERTO/ GRUJOVIC, DRAGAN/ SHAIJI, OMAR ADNAN</b>
		Engineer Superintendent THURAYA 008821677712241 RIG FORMAN VSAT 577-6190

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>15772</b>	<b>CONTINUE DRILL OUT SCAB LINER SHOE TRACK, CIRC, POOH 3 5/8" JUNK MILL ASSY.</b>	<b>L/D 3-5/8" JUNK MILL ASSY, P/T BOPE, RIH 3-5/8" C/O ASSY (4.5" SAMAA WBCO)</b>	<b>UTMN-3700 IS LOCATED 142 KM TO SOUTH-WEST OF DHARAHAN, 10 KM BEFORE UDHAIRIYAH BRIDGE ON LEFT SIDE.</b>	<b>138.3 (10/11/2022@2000)</b>	<b>KFBC 13159 55' DEEPER, 13,640' MD. KFBR 13204 59' DEEPER, 13,690' MD. KFCC 13694 120' DEEPER, 14,233 MD. KFDA 13993 111' DEEPER, 14,570' MD. BKDC 14658 13' SHALLOW, 15,290' MD. PKFU 14712 5' DEEPER, 15,349' MD. PUZU 14836 36' DEEPER, 15,485' MD.</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>15772</b>	<b>4 1/2</b>	<b>12622</b>	<b>15770</b>	<b>15188</b>	<b>9 5/8</b>	<b>11242</b>	<b>10995</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
03.0	0500 - 0800	0		E	DRLG	DFS	MMOT	ND1	15800	15800	13662	13665	DRILL OUT 4 1/2" SCAB LINER LANDING COLLAR AS PER NESR MUD MOTOR SUP INSTRUCTIONS, MW 90 PCF. * PUMPED HI-VIS AS REQUIRED.
02.0	0800 - 1000	0		E	DRLG	DC	MMOT	ND1	15800	15800	13665	13706	CONTINUE TO DRILL OUT CEMENT F/13665-13706' (WOB 1-9 KLBS, TORQUE 2.2 - 2.4 KLBS-FT, 20 RPM, FLOW RATE: 126 GPM, PP: 3,200 PSI). * CEMENT SEEN AT SHAKER.
01.5	1000 - 1130	0		E	DRLG	DFS	MMOT	ND1	15800	15800	13706	13709	TAG FLOAT COLLAR AT 13706, DRILL OUT FLOAT COLLAR F/13706-13709', MW 90 PCF. * PUMPING HI-VIS SWEEPS AS REQUIRED
01.5	1130 - 1300	0		E	DRLG	DC	MMOT	ND1	15800	15800	13709	13755	CONTINUE TO DRILL OUT CEMENT IN 4-1/2" SCAB LINER SHOETRACK 13709' - 13755', MW 90 PCF. * PUMPING HI-VIS SWEEPS THROUGHOUT.
04.0	1300 - 1700	0		E	CT	RW	BIT	RIG	15800	15800	13764	14264	CONTINUE TO WASH DOWN INSIDE 4 1/2" LINER TO 14,264' (500' BELOW BOTTOM OF CEMENT) WITHOUT ANY RESTRICTIONS. * PUMP HI-VIS AS REQUIRED.
05.0	1700 - 2200	0		E	CT	CIRC	MPMP	RIG	15800	15800			PUMP HI-VIS & CIRC BOTTOMS UP (120 GPM, 3400 PSI), MW 90 PCF. FLOW CHECK - WELL STATIC, SLUG PIPE.
01.0	2200 - 2300	0		E	CT	TO	SPDP	RIG	15800	15800	14264	12624	POOH 3-5/8" JUNK MILL & MUD MOTOR ASSY ON 5-1/2" DP STDS ON CONTROL SPEED INSIDE 4 1/2" SCAB LINER. MONITOR THE WELL ON TT.
00.5	2300 - 2330	0		E	CT	WCNT	NA	RIG	15800	15800			FLOW CHECK @ 4 1/2" TOP OF SCAB LINER - WELL STATIC.
04.0	2330 - 0330	0		E	CT	TO	STDP	RIG	15800	15800	12624	4181	POOH 3-5/8" JUNK MILL & MUD MOTOR ASSY ON 5-1/2" DP STDS. MONITOR THE WELL ON TT.
00.5	0330 - 0400	0		E	CT	HT	STRG	RIG	15800	15800			CHANGE OUT HANDLING TOOLS TO 4" DP.
01.0	0400 - 0500	0		E	CT	TO	STDP	RIG	15800	15800	4181	2010	POOH 3-5/8" JUNK MILL & MUD MOTOR ASSY ON 4" DP STDS. MONITOR THE WELL ON TT.

UTHMANIYAH-3700 (UTMN-3700) IS LOCATED ABOUT 145 KM TO THE SOUTHWEST OF DHARAHAN. THE WELL IS PROPOSED TO BE DRILLED AS A DEVIATED WELL TO A TOTAL DEPTH OF 16,480 FT MD / 15,750 FT TVD (200 FT TVD INTO TWLF) WITH MAX 25 DEG INCLINATION. THE PRIMARY OBJECTIVE OF THIS WELL IS TO EVALUATE THE HYDROCARBON POTENTIAL OF KHUFF-C & UNYZ-C REZERVOIRS AS A PRIMARY TARGETS (120 FEET OF CORE ARE PLANNED TO BE CUT IN KFCR).

\* 36" CONDUCTOR SET @ 150' MD/TVD.

- \* 30" SURFACE CASING SET @ 640' MD/TVD (50' INTO RUS).
- \* 24" CASING SET @ 3,030' MD/TVD (50' INTO AHMD).
- \* 18-5/8" CASING SET @ 5,410' MD / TDV (10' INTO MDTM).
- \* 13-3/8" CASING SET @ 7,897' MD / 7,897' TVD (297' INTO BADR).
- \* 9-5/8" CASING SET @ 11,242' MD / 10,995' TVD (25' TVD INTO BJDM).
- \* 7" LINER SET @ 14,242' MD / 13,703' TVD (9' INTO KFCC).
- \* 4-1/2" LINER SET @ 15,770' MD / 15,188' TVD (198' TVD INTO TWLF).

- \* ARAMCO CLERK SELVAGANESAN JOTHI (BADGE# 8550230) IS ON LOCATION SINCE 09/15/2022.
- \* ARAMCO TRAINEE FOREMAN BANDAR ALALI (BADGE # 812545) ON LOCATION SINCE 2/15/2023.
- \* ARAMCO TRAINEE FOREMAN NAWAF AL BIN ALI (BADGE # 793386) ON LOCATION SINCE 2/21/2023.
- \* ARAMCO FCT SALMAN ASSAF (BADGE #764687) ON LOCATION SINCE 2/21/2023.

\* HSF & DRILL S.

- \* REVIEW ARAMCO EDD HSE ALERT 03-23, 02-23, HSE ALERT 20-23, 21-23, 22-23 & 24-23 WITH RIG CREW.
- \* NEAR MISS REPORTED: 0; AUDIT OPEN ITEM: 1 ITEM FROM 4TH QTR 3MCI 2022.
- \* FUNCTION TEST IGNITION SYSTEM: JANUARY 20/2023.

\* VACUM TANKER AL MADEED. PLATE 3291-BRA, DRSS #1003830735.  
\* VACUM TANKER AL MADEED. PLATE 8637-UAA, DRSS #1003830735.  
\* VACUM TANKER AL MADEED. PLATE 1546-LRA, DRSS #1003830735.

\* DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) = (DAILY: 38 BBL / MONTHLY: 967 BBL / CUMULATIVE FOR CURRENT WELL: 6,928 BBL).

\* NEXT WELL: HRDH-6008

\* WATER WELL: HRDH-845 AND HRDH-883.

\* LAST VISIT: 02/19/2023.

## Remarks

\* SLB CEMENTING COORDINATOR MR AHMED ABD ELWAHID ABD ELMUTALAB VISITED THE LOCATION AND HELD A MEETING WITH ARAMCO FOREMAN, REVIEWED SLB SAFETY & OPERATIONAL PERFORMANCE.

\* SANAD RIG SUPTD MR ABION FERNANDEZ VISITING THE RIG SINCE 2/26/23 TO REVIEW: 1. RIG MOVE CAMPAIGN 2. TRAINING MATRIX 3. LEMS 3RD PARTY COMPANY.



ODF CORRECTION: +2 FT

**-----PAD STATUS-----**

- \* WELL SITE P-06 HAS A TOTAL 6 WELLS:
    - QTIF-292, ARAB-C SHUT-IN, SECURED WITH BPV & FLOW LINE ISOLATED
    - QTIF-293, ARAB-D FLOW LINE ISOLATED (WORKOVER WELL).
    - QTIF-294, ARAB-D SHUT-IN, SECURED WITH BPV & FLOW LINE ISOLATED
    - QTIF-484, ARAB-C PRODUCING (SIMOPS)
    - QTIF-200, ARAB-B PRODUCING (SIMOPS)
    - QTIF-200, LFDL SHUT-IN

SIMOBIS

- \*\* HELD SIMOPS MEETING ON 2/2/2023 FOR TWO PLANNED WELLS QTIF-200 & QTIF-484, ECD & SCADA FUNCTION TESTED.  
\*\* STARTED SIMOPS OPERATION ON 2/2/2023 AT 13:00 HRS.  
- DAILY PRODUCTION RATE DURING CURRENT W/O WELL QTIF-293= 10,000 BOPD, - TOTAL OIL PRODUCTION UP-TO DATE = 250,000 BBLS

TO DATE = 24.7 DAYS

- LAST ESD TEST ON 02/14/2023.  
-----  
----- 4-1/2" OBL DETAILS -----  
-----  
----- PERSONAL ON BOARD -----  
- MATERIAL EXPEDITER SHLASH AL-AJMI #8460877 ON LOCATION FEB 6, 2023

- RENTAL TOOLS & EQUIPMENT -----

  - 4-3/4" NOV JAR #341425-08 ON LOCATION SINCE 2/5/2023.
  - MI MUD CENTRIFUGE ON LOCATION 27 DECEMBER AND R/U ON 28 DECEMBER 2022.
  - MI SLB SHEAR UNIT ON LOCATION 9 JAN 2023 AND START R/U ON 15 JAN 2023.
  - NPS TANKER HOLING 100 BBL 20% HCl ACID ON STANDBY SINCE 02/05/2023.
  - 105 WWT NRP (NON ROTATING PROTECTORS INSTALLED ON 35 STD'S ABOVE LOG TO CENTER PIPE IN HOLES)

## **--- WELL DATA ---**

#### --- DRILLING DATA -----

- L-0-1: TOW @ 6310', BOW @ 6323', RAT HOLE @ 6342', P&A DUE TO WINDOW PROBLEM, PBD AT 6230', SULY FORMATION  
- L-0-2: TOW @ 6150', BOW @ 6159', RAT HOLE @ 6166', SULY FORMATION, PILOT HOLE TD @ 9836' MD (8862' TVD).

## **---MUD DATA -**

- PPT SPURT = 0.7 ML.  
PPT TOTAL = 2.5 ML.  
(AT 1500 PSI /250 F / 35 M)

**EMERGENCY EQUIPMENT ON LOCATION--**

- SANAD 55-SEATER BUS W/ DRIVER FOR 24 HR COVERAGE.
  - RTPD. EMR PORTABLE WALKIE TALKIE DEVICE IN ARAMCO FOREMAN OFFICE

- SINOPEC H2S STAND ALONE SENSORS.
- FIREFLY R/U ON LOCATION ON 12/26/2022.
- 500 BBLS 95 PCF OBM KILL MUD READY IN MUD SYSTEM.

-----NEXT LOCATION READINESS:

- QTIF-57 (W-41) KOM HELD ON NOVEMBER 1, 2022: 80% WELL SITE, 90% FIELD SERVICE.
- QTIF-406 (W-21) KOM HELD ON FEBRUARY 7, 2023: 0% WELL SITE, 0% FIELD SERVICE.

-----DRILLS, ORBITS & SAFETY TOPICS:

- DAILY SAFETY MEETING WITH RIG CREW.
- OBSERVATION SUBMITTED: 8
- NEAR MISS: NONE.
- SAFETY DRILLS: NONE.

-----INFORMATION FOR DISPATCHING GROUP

ALHABAS RAW WATER TRUCK: DOOR NO (HB1906, HB1908) ON LOCATION.

-----RIG CREW

- SHORTAGE: 1 ROUSTABOUT SINCE FEB 6, 2023.

EMERGENCY DRILL AT RIG T-101:

RECEIVED CALL AT 09:10 AM FROM D&WO ECC, TO BE READY FOR ANY SUPPORT NEEDED TO THE EMERGENCY DRILL AT RIG T-101 (QTIF-278).

Remarks

Lateral		Survey MD		Angle		Azimuth		CLength		TVD		N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec		DLS										
MUD DATA	Weight 88 PCF	Funnel Vis. 80 SEC	Filtrate(WL) 1.6 HTHP	Filtrate (WL) API	PV 31	YP 20	Electrical Stability 1158 Volts	3/6 RPM 12 / 13	Gels Sec/Min 13 16	PH 0	CA PPM 0	CL PPM 0	Water Well #	Mud type	ALLOIL	CA PPM	CL PPM	0										
	FL Temp 0	Cake HTHP 2	Cake API 0	Water Vol. % 12	Oil Vol. % 60	Solids Vol. % 28	Sand Vol. % 0	% LGS 3.88	MBT 0	Water Well #	Mud type	ALLOIL						QTIF-821										
	Weight 88 PCF	Funnel Vis. 80 SEC	Filtrate(WL) 1.6 HTHP	Filtrate (WL) API	PV 31	YP 20	Electrical Stability 1158 Volts	3/6 RPM 12 / 13	Gels Sec/Min 13 16	PH 0	CA PPM 0	CL PPM 0						0										
	FL Temp 0	Cake HTHP 2	Cake API 0	Water Vol. % 12	Oil Vol. % 60	Solids Vol. % 28	Sand Vol. % 0	% LGS 3.88	MBT 0	Water Well #	Mud type	ALLOIL						QTIF-821										
MUD TREATMENT																												
BIT DATA																												
DRILL STRING																												
Miscellaneous	Order Component Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #																
	BOP Test 02/20/2023	BOP Drills	Wind CALM	Sea	Weather SEASONAL	DSLTA	Safety Meeting DAILY PRE JOB SAFETY MEETING																					
	Real-Time Data Quality	Sensors Quality	83%	Data Frequency	100%	Real-Time Hrs	11.48/24 hrs																					
Personnel and Services Information	COMPANY	TGC	WWT	RIG	GDF	MJH	ASH	SNS	ARM	MI2	ARM	SWL																
	CATEGORY	CTRG	DRF	RIG	DFMS	SEC	FLD	H2S	OTHR	SCS	WSC	WLS																
	NO. OF PERSONS	16	1	51	1	7	3	2	2	2	4	6																
	OPERATING HRS.	0	12	12	12	0	10	12	12	12	24	12																
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24																
Trucks/Boats	Standby/Tankers		ARAMCO PICK UP#AB-8947 SANAD TANKS TOTAL DIESEL: 469 BBL MAIN CAMP DIESEL = 205 BBL ARAMCO MUD DIESEL: 340 BBL																									
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS 354		Fuel- BBLS 41		Barite- SX 34		Bentonite - SX 14		Cement G- SX 950								Reporter										
REPAIR ASAP	Instrumentation	Computer, Communication & V-Sat Issues																										

\* NO THURAYA PHONE ON RIG & A REPLACEMENT REQUEST NO. 2022031149 HAS BEEN SUBMITTED IN IT ASSET MANAGEMENT SYSTEM BUT NOT ARRIVED TO RIG YET. \* V-SAT LOST CONNECTION EVERYDAY MORNING AND NOON TIME, AND VERY BAD COMMUNICATION VIA PHONE.

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HRDH-1928 (RE-ENTER &amp; SIDE- TRACK THE WELL IN TWO HOLE SIZES TARGETING KHUFF-C (CKC04/05) RESERVOIR .)</b>	Rig <b>PA- 861S</b>	Foreman(s) <b>DIAB, MOHAMMED MANSOUR/ ELSAHER, MOHAMED ELSAYED IBRAHIM/ SIREGAR, VERDY LUNARDIANSYAH/ MILLER, CLAYTON LOWELL</b>
Engineer			
Superintendent			

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>17440</b>	<b>ROTARY STEERABLE DRLG 5-7/8" HOLE AS PER APPROVED 7/8" HOLE FROM 17,088' - 17,440' (TOTAL: 352').</b>	<b>ROTARY STEERABLE DRLG 5-7/8" DIRECTIONAL PLAN TO TD @ +/- 17,499' MD / 13,358' TVD AT 83.55 DEG INCL. CHC. POOH BHA.</b>	<b>224.56 KM FROM DAHARAN MAIN GATE</b>	<b>50.5 (01/07/2023@1700)</b>	<b>SDDM 11713 KFAR 12208 KFCC 12804 KC03 12806 KC05 12929</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>16748</b>	<b>7</b>	<b>9757</b>	<b>13352</b>	<b>12820</b>	<b>9 5/8</b>	<b>10269</b>		<b>692</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
11.5	0500 - 1630	0-1	5 7/8	N	DRLG	D	RSS	SDM	17088	17270			SLB ROTARY STEERABLE DRLG 5-7/8" HOLE WITH RSS/MWD/LWD/GR ASSEMBLY W/ 77 PCF INNOVERT OBM AND 100% RETURN. > PUMP SWEEPS AS REQUIRED. > FOLLOW INTEGRATED HORIZONTAL DRILLING PRACTICES VERSION-3. > OPTIMIZED DRILLING PARAMETERS TO MINIMIZE ERRATIC TORQUE AND STICK-SLIP VIBERATIONS.			
00.5	1630 - 1700	0-1	5 7/8	N	DRLG	RR	TDS	RIG	17270	17270			RIG SERVICE TDS			
12.0	1700 - 0500	0-1	5 7/8	N	DRLG	D	RSS	SDM	17270	17440			SLB ROTARY STEERABLE DRLG 5-7/8" HOLE WITH RSS/MWD/LWD/GR ASSEMBLY W/ 77 PCF INNOVERT OBM AND 100% RETURN. > PUMP SWEEPS AS REQUIRED. > FOLLOW INTEGRATED HORIZONTAL DRILLING PRACTICES VERSION-3. > OPTIMIZED DRILLING PARAMETERS TO MINIMIZE ERRATIC TORQUE AND STICK-SLIP VIBERATIONS.			

> DF FOR PA-861S = 36.10 FT, ODF CORRECTION (ADC-43 = 33 FT): +3.10 FT.

#### =====DIRECTIONAL=====

> HRDH-1928 L1 PLAN06, 09 FEB23.

> SENSOR OFFSET FROM BIT:

- GAMMA RAY : 6.55 FT / D&I : 7.42 FT & RESISTIVITY =33.66
- D&I= 38.86; GAMMA RAY = 41.06, DENSITY = 67.05, NEUTRON = 70.73
- > PROJECTION AT BIT: MD 17,440', INC 82.60 AZI 114, TVD 13,328'
- > SEPARATION FROM PLAN: 23.8' CT-CT, 4.28' RIGHT, 23.4' ABOVE.

#### =====SAFETY AND HSE FINDINGS STATUS=====

> DRILLS: 2 X PIT DRILLS

> SLS SUBMITTED: 10

> STOP WORK AUTHORITY (SWA): 03

> RHSEI: 0 OPENED, ALL CLOSED, CEHA: ALL CLOSED, 3MCI: ALL CLOSED, WCI: ALL CLOSED

> IMPLEMENTING CLOSED LOOP DRILLING PRACTICE.

#### =====ERP-STAGING AREA=====

> ERP POSTED IN ARAMCO FOREMAN OFFICE; EMERGENCY CONTACT NUMBERS VERIFIED.

> SGA1: 1,585 M TO THE NE - COORDINATES: N:2,711,231.00 M, E: 316,062.00 M

> SGA2: 1,572 M TO THE NW - COORDINATES: N:2,711,294.00 M, E: 314,627.00 M

> RELIEF WELL: HRDH-1900.

#### =====ARAMCO PERSONNEL=====

> ARAMCO RIG CLERK, SURESH DHAKAL #8147919, ON LOCATION.

> ARAMCO MATERIAL EXPITATOIR, MOHAMMED AL-OTAIBI #8587951, ON LOCATION FROM 02/15/2023.

> HSE ADVISOR DONGMIN JO #8358240 ON LOCATION SINCE 02/18/2023.

> ARAMCO HSE TECH. IBRAHIM ASULAMI ID# 726658 ON LOCATION FROM 02/23/2023.

#### =====THIRD PARTY PERSONNEL & EQUIPMENT=====

> EMEC MUD ENGINEER.

> HALLIBURTON MUD ENGINEER ON LOCATION 1/24/2023.  
 > HALLIBURTON MUD LOGGING UNIT AND CREW ON LOCATION @ 13:00 02/15/2023  
 > SLB DIRECTIONAL ENGINEERS ON LOCATION @ 10:00 AM 02/15/2023  
 > ULTERA BIT RUNNER ON LOCATION ON 02/16/2023.  
 > COUGAR JAR SN#DJ6-500116 ON LOCATION 02/18/2023 @ 00:00.  
 > BARIOD MUD SUPERVISOR MOHAMMED MOUSTAFA# VISITED RIG YESTERDAY.  
 > NOV DRY CUTTING ENGINEERS (4) ON LOCATION. FROM 01/26/2023  
 > NOV DRY CUTTING EQUIPMENT ON LOCATION. FROM 01/29/2023.

=====GDWD COST OPTIMIZATION=====

> TRANSFERRED 600 BBL'S 110 PCF MILLING FLUID TO ADC-52.  
 > TRANSFERRED 400 BBL'S 110 PCF MILLING FLUID TO NA-393S.  
 > TRANSFERRED 600 BBL'S 110 PCF MILLING FLUID TO ADC-51.

> TRANSFERRED 500 BBLS INNOVERT OBM 150 PCF TO T-571.  
 > TRANSFERRED 500 BBLS INNOVERT OBM 150 PCF TO DPC-74.  
 > TRANSFERRED 500 BBLS INNOVERT OBM 110 PCF TO DPC-74.  
 > TRANSFERRED 500 BBLS INNOVERT OBM 110 PCF TO T-701.  
 > RECYCLED 500 BBLS 110 PCF INNOVERT OBM.

> ACID: 100 BBL SANJEL; SHARED WITH NA-393S.

=====TRUCKING=====

> VACUUM TANKERS FOR HAULING WASTEWATER FROM HRDH-1928: (3 LOADS TODAY) & (131 TOTAL LOADS)  
 > DRSS #1003824508 // 1003846676  
 > PLATE #7336/1009 & 9957/1020 & 6558 /1042  
 > WORKING HOURS PER TRUCK = 8 HRS (25 KM F/RIG TO DUMP SITE)  
 > NUMBER OF TRIPS: 1/ DAY

> DUMP TRUCK FOR GARBAGE FROM HRDH-1928:(1 LOAD TODAY) (3 TOTAL LOADS DUMPED)  
 > DRSS #1003849159  
 > PLATE # 3598 // 753  
 > WORKING HOURS PER TRUCK =10 HRS  
 > NUMBER OF TRIPS: 1/ DAY

> AFZCO TRUCK FOR OBM DRY CUTTING FROM HRDH-1928: (1 LOADS TODAY) & (4 TOTAL LOADS)  
 > DRSS #1003849003  
 > PLATE # 4012 XUA  
 > WORKING HOURS PER TRUCK =8HRS  
 > NUMBER OF TRIPS: 1/ DAY

=====NEXT WELLS=====

> HRDH-1071, PRESET UBCTD KHFC. PRE-WO MEETING 11/30/2022. CHARGE NUMBER SHARED 12/06/2022. WELL STRIPPED OUT. SITE WORK ON GOING 60% READY.

> HRDH-1918, PRESET UBCTD KHFC. PRE-WO MEETING 02/01/2023.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
0-1	17351	83.62	114.06	95	13318.84	-1944.03		5252.23		-1993.2	1.38
0-1	17256	84.93	114.09	95	13309.37	-1905.47		5165.93		-1954.64	0.54
0-1	17161	85.42	114.24	95	13301.38	-1866.72		5079.56		-1915.89	0.24
0-1	17066	85.63	114.16	95	13293.96	-1827.89		4993.18		-1877.06	0.96

MUD DATA	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM
	77 PCF	61 SEC	1.4 HTHP	API	30	14	457 Volts	7 / 8	9 / 12	0	17200	28000
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	
	147	2	0	23	62	15	0	6	0	INOVRT	HRDH-810	
MUD DATA	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM
	77 PCF	62 SEC	1.6 HTHP	API	31	14	452 Volts	7 / 8	9 / 12	0	18000	28500
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	
	147	2	0	23	62	15	0	6	0	INOVRT	HRDH-810	

MUD TREATMENT	CAC03-50	BDF 513	BARITE	CAC03-25	CAOH2	MRBL-M	STELSEALFN	STELSL50	LESUPERMUL
	24(50LB)	8(25KG)	2(5000L)	24(50LB)	12(50LB)	1(2200L)	24(50LB)	24(50LB)	1(55GL)

BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out					
	14	M232	5.875	ULTR	62369	RPS711	/ 4 X 12 /	0.442	13339	17424						
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
									2820	235	171	605.3			37	

	Float	Y													
	BHA Hrs:	240													
	String Wt.	Pick Up	Slack Off	Rot. Torque				Jars:	/ 240		Shock	/ Mud		Motor:	/
	260	280	265	5100				Serial #/Hrs	/ 240		Sub:	/ Motor:			/

	Order	Component		Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #								
DRILL STRING	1	Bit		ULTR	5.875	1	5.875	0	0.57	3-1/2 REG		0			62369								
	2	Stabilizer		SDM	5	1	5	2.12	1.85	3.5" IF	3.5" IF	0											
	3	Float Sub		SDM	4.9	1	4.81	3.75	2.72	3.5" IF	3.5" IF	0											
	4	Saver Sub		SDM	4.81	1	5	2.5	0.86	3.5" IF	3.5" IF	0											
	5	Measurement While Drilling (MWD)		SDM	4.75	1	4.75	3.25	6.49	NC35	NC35	0			B1218								
	6	Saver Sub		SDM	4.75	1	4.75	2.25	1.5	NC35	NC35	0			5610111								
	7	Pulse Sub		SDM	4.75	1	4.75	2.25	32.18	3.5" IF	NC35	0											
	8	Stabilizer		SDM	5.625	1	5.625	2.25	1.5	3.5" IF	3.5" IF	0											
	9	Logging While Drilling (LWD)		SDM	4.75	1	4.75	2.25	23.49	NC38	NC38	0			B1298								
	10	Filter Sub		SDM	4.75	1	4.5	3	8	NC38	NC38	0			B2010452								
	11	Stabilizer		SDM	4.75	1	5.5	2.25	4.63	NC38	NC38	0			5965								
	12	Crossover		RIG	4.75	1	4.875	2.563	3.45	XT39	NC38	0			1484436								
	13	Heavy Weight Drillpipe (HWDP)		RIG	4	2	4	2.5	60.98	XT39	XT39	0											
	14	Hydro-Mechanical Jar		CTC	4.75	1	4.75	2.25	29.78	4"XT39	4"XT39	0			DJ6-500116								
	15	Heavy Weight Drillpipe (HWDP)		RIG	4	3	4	2.5	91.46	XT39	XT39	0											
	16	Drillpipe		RIG	4	89	4	3.34	8413.79	XT39	XT39	0											
	17	Crossover		RIG	6.438	1	6.75	2.562	2.58	XT39	4-1/2" IF	0											
	18	Drillpipe		RIG	5	0	5	4.67	0.56	4-1/2"IF	4-1/2"IF	0											
Miscellaneous	BOP Test 02/13/2023		BOP Drills 02/13/2023		Wind NORMAL		Sea ONSHORE		Weather SEASONAL		DSLTA	Safety Meeting 2X DAILY PRE TOUR SM.											
	Real-Time Data Quality			Sensors Quality			97%	Data Frequency			98%	Real-Time Hrs			11.09/24 hrs								
Personnel and Services Information	COMPANY		ULT	GOS	SDM	RIG	BAR	EMC	MJH	HMS	RIG	ARM	BRD	MI2	ARM	CTC	NPC	Total 88					
	CATEGORY		BITS	CTR G	DPDS	RIG	DFMS	DFMS	SEC	MLS	OTHR	OTHR	SCS	SCS	WSC	JST	JST						
	NO. OF PERSONS		1	15	4	40	1	1	5	4	6	4	4	1	2	0	0						
	OPERATING HRS.		20	0	24	24	12	12	0	24	0	12	24	8	24	24	0						
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24	24	0	0						
Trucks/Boats	Standby/Tankers <b>AMBULANCE DRJ-8380</b>		<b>ARAMCO TRUCK AB-5524</b>																				
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>184</b>		Barite- SX <b>145</b>		Bentonite - SX <b>40</b>		Cement G- SX														
REPAIR ASAP	Instrumentation		Other												Reporter								
	Computer, Communication & V-Sat Issues																						

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D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>UBYL-4 (PRIMARY OBJECTIVE TEST UNAYZAH "A2" RESERVOIR, SECONDARY OBJECTIVE ARAB 'D', JIHL, SARAH RESERVOIRS)</b>	Rig <b>PA- 866S</b>	Foreman(s) <b>WEAVER, STEPHEN SCOTT/ MERIDJA, MOHAMED/</b>
		Engineer Superintendent	<b>BUKHAMSIAN, ADNAN ABDULHAMEED/ BU RUSHAIID, IBRAHIM MOHAMMED</b>
	THURAYA <b>008821677711072</b>	RIG FORMAN VSAT <b>577-6186</b>	OTHER VSAT <b>577-6184 577-6183</b>

Depth <b>0</b>	Last 24 hr operations <b>RIG DOWN ON USKR-6 &amp; MOVE IN ON UBYL-4</b>	Next 24 hr plan <b>RIG DOWN ON USKR-6 &amp; MOVE IN ON UBYL-4</b>	Location <b>(875 KM F/DMG) F/HARAGH GO 133 KM ON KHARKEER HWY, TURN LEFT ON SKID ROAD AND GO 365 KMS T/RIG</b>	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops
Prev. Depth <b>0</b>	Liner Size	TOL MD TVD	Last Csg Size	MD TVD	Footage <b>0</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth   Event depth				Summary of Operations
									Start	End	Start	End	
24.0	0500 - 0500	0		M	RM	RD	NA	RIG	0	0			<p><b>RIG MOVE TO USKR-6 - --HPJSM &amp; RAISE JSA WITH ALL PERSONNEL, DISCUSS RESPONSIBILITIES &amp; USING STOP WORK AUTHORITY.</b>  <b>-PERFORM RISK ASSESSMENT FOR RIG UP OPERATIONS.</b>  <b>PTW'S FOR EACH TANDEM LIFT</b></p> <p><b>*LOAD OUT CEMENT TANKS &amp; MUD TANKS, LOAD OUT MUD PUMPS &amp; MATTING, LOAD OUT WATER &amp; DIESEL TANKS, ACCUMULATOR &amp; KOOMEY SUITCASES, GAS BUSTER &amp; CHOKE MANIFOLD, SHAKERS</b>  <b>*MAKE UP THE BRIDAL LINES TO BLOCK. -REMOVE RIG FLOOR PLATES AND SECURE ALL LINES IN DERRICK PRIOR TO LOWERING THE SUBSTRUCTURE AND THE MAST. LOAD OUT MISC. LOADS</b>  <b>*GENERAL HOUSEKEEPING</b></p> <p><b>* RIGGED UP = 0%</b>  <b>* RIGGED DOWN = 15%</b>  <b>* RIG MOVED = 20%</b>  <b>* SANAD LOADS= 46</b>  <b>* ARAMCO LOADS = 0</b>  <b>* TOTAL DAILY LOADS = 46</b>  <b>* TOTAL LOADS = 99</b>  <b>* SKID ROAD 490 KMS</b>  <b>* ASPHALT ROAD - 652 KMS -</b>  <b>* DAYS SINCE RELEASE: 2</b></p> <p><b>RIG EQUIPMENT &amp; CREW: CRANE (6 X 80-100 TON) / 2 RIGGER ONE / 4 TRUCK PUSHERS / 63 LOW BED / 40 FLAT BED TRUCKS / 3 HYDRAULIC LOWBED / 2 FORKLIFT / 1 WINCH TRUCKS</b></p> <p><b>*ALL RIG MOVE PERSONEL &amp; EQUIPMENT RELATED CERTIFICATES ARE IN COMPLIANCE W/ARAMCO STANDARD.</b></p> <p><b>*RIG MOVE DISTANCE: 1130 KM (490 KM SKID ROAD)</b></p> <p><b>-HPJSM &amp; RAISE JSA W/ALL PERSONEL, DISCUSS RESPONSIBILITIES &amp; USING STOP WORK AUTHORITY.</b>  <b>-PERFORM RISK ASSESMENT FOR BACK LOAD OPERATIONS.</b></p> <p><b>*RIG MOVE KPI: 28.68 DAYS</b>  <b>*RIG MOVE DAY: 2</b></p>

UBAYLA-4 IS AN EXPLORATION WELL LOCATED IN THE WEST RUB' AL-KHALI BASIN, PROPOSED TO BE DRILLED TO A TOTAL DEPTH OF APPROXIMATELY 17,722 FT MD IN (100 FT INTO QASIM FORMATION). THE PRIMARY OBJECTIVE OF THE WELL IS TO TEST THE HYDROCARBON POTENTIAL OF THE UNAYZAH "A2" RESERVOIR WHILE THE SECONDARY OBJECTIVE IS TO THE GAS POTENTIAL WITHIN ARAB D, JILH AND

SARAH RESERVOIRS. THE ESTIMATED DURATION TO DRILL THE WELL IS 98 DAYS WHICH INCLUDES LOGGING, CUTTING CORE AND SETTING 4-1/2" LINER.

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30" CONDUCTOR TO BE SET @ 170' (CONSOILIDATED FORMATION)

24" CASING TO BE SET @ +/- 1,546' (50' INTO RUS)

18-5/8" CSG TO BE SET @ +/- 4,158' (50' INTO LAMS)

13-3/8" CSG TO BE SET @ +/- 10,083' (20' INTO HITH)

9-5/8" CSG TO BE SET @ +/- 13,446' (20' INTO BJDM)

7" LINER TO BE SET @ +/- 15,595 FT (100' INTO KFDA).

4-1/2" LINER TO BE SET @ +/- 17,722 FT (100 FT INTO QASM).

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PERSONNEL:

ARAMCO CLERK CHRISTOPHER SEVILLA #8087965 ON LOCATION 05/31/2022

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DRILLS: NONE.

DISCUSSED WITH CREWS THE FOLLOWING SAFETY ALERTS:

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JOURNEY MANAGEMENT: CALL RIG BEFORE ENTERING THE SKID ROAD AND MAKE SURE YOUR VEHICLE HAS FULL TANK OF FUEL (LAST GAS STATION IS IN UM ATLHA, APPROX 20 KM BEFORE ENTERING SKIDROAD). CALL ARAMCO FOREMAN'S OFFICE (013) 577-6186, CLERK OFFICE (013) 577-6183. THERE IS NO CELL PHONE COVERAGE ON THE SKID ROAD. STAY RIGHT ON ALL HILLS AND NIGHT TIME DRIVING IS NOT ADVISABLE, 4X4 IS REQUIRED. ONCE LEAVING BLACKTOP ON KHARKHEER HWY @ TKMN JUNCTION SKID ROAD PROCEED 365 KMS TO UBYL-4

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PA-866S DIESEL ENGINE CONSUMPTION (RIG+CAMP): DAILY - 479 BBLS;

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WATER WELL UBYL-807:

PRODUCTIVITY = 500 GPM AT 1700 RPM ; PUMP INSTALLED; NO H2S.

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Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS					
MUD DATA														
MUD TREATMENT														
BIT DATA														
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
Miscellaneous	BOP Test	BOP Drills			Wind	Sea		Weather	DSLTA			Safety Meeting		
	Real-Time Data Quality							No Transmission						
Personnel and Services Information	COMPANY	SWK	RIG	EMC	MJH	RIG	ARM	SCM	OTH	ARM	Total <b>138</b>			
	CATEGORY	CTR G	RIG	DFMS	SEC	OTHR	OTHR	PCS	VAC	WSC				
	NO. OF PERSONS	16	41	1	4	69	1	3	1	2				
	OPERATING HRS.	0	24	0	24	24	24	0	10	24				
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24				
Trucks/Boats	Standby/Tankers													
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>827</b>		Barite- SX	Bentonite - SX	Cement G- SX							
REPAIR ASAP	Instrumentation	Other										Reporter		
	Computer, Communication & V-Sat Issues													

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Date <b>MONDAY</b> 02/27/2023		Well No (Type) : <b>SFNY-4210</b> (OIL-EVALUATION/DELINERATION IN SFNY) Charge #: (66- 21013- 4210) Wellbores: (0-2) SFNY_4210_2		Rig <b>PN-7</b>	Foreman(s) <b>PINE, GREGORY TODD/ ALJADAANI, TALAL MENWER/ MEKHIMAR, MOHAMED AHMED/ ALKAHTANI, TRKY HASAN/ YAMI, NASSER SALEM</b>		
				THURAYA <b>0088-2167-771-2104</b>	RIG FORMAN VSAT <b>378-6380</b>	OTHER VSAT <b>013-378-6382 (RR)</b>	OTHER VSAT <b>013-378-6381 (CLERK)</b>
Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops		
4300	CONT DRILL 12.25" HOLE SIDETRACK, ENCOUNTERED LOSSES, SPOT LCM PILLS, CONT DRILL 12.25" HOLE SIDETRACK.	SIDETRACK T/ CP	UTM (ZONE-39) N-3139059.62, E-310932.57	59.1 (12/30/2022@0200)	ARUM 3985 3985' TVD PNGU 725 725' TVD KHBR 970 970' TVD ALVL 1297 1297' TVD RUS 1461 1461' TVD UMER 1864 1864' TVD		
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD
3900			13 3/8	4734	4734	Footage	400
Circ %							100

Hrs (From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations			
								Start	End	Start	End		
03.0	0500 - 0800	0-2	12 1/4	N	DRLG	DMR	MMOT	BHI	3900	3973			DRILLED 12-1/4" HOLE SIDETRACK W/ BAKER MM-GWD ASSY. ENCOUNTERED DYN LOSSES 250 BPH W 800 GPM @ 3970'. PUMPED 3 X 100 BBLS OF 40 PPB LCM PILL. SLOWED LOSSES TO 96 BPH.
00.5	0800 - 0830	0-2	12 1/4	N	DRLG	CIRC	MPMP	RIG	3973	3973			DROPPED CORETRAX OPENING DART & CONFIRMED PBL OPENED BY LOSING GWD SIGNAL.
04.0	0830 - 1230	0-2	12 1/4	N	DRLG	CIRC	MPMP	RIG	3973	3973			SPOTTED LCM PILLS 200 PPB ON BTM, POOH W/ BAKER ASSY ABOVE TOP OF LCM & WAIT ON SOAKING. - DYN LOSSES 80 BPH W/ 100 GPM & STATIC LOSSES 60 BPH.
00.5	1230 - 1300	0-2	12 1/4	N	DRLG	CIRC	MPMP	RIG	3973	3973			DROPPED CORETRAX CLOSING DART, CLOSED PBL W/ 2600 PSI & CONFIRMED PBL CLOSED " GOOD GWD SIGNAL".
16.0	1300 - 0500	0-2	12 1/4	N	DRLG	DMR	MMOT	BHI	3973	4300			CONT DRILL 12-1/4" HOLE SIDETRACK W/ BAKER MM-GWD ASSY. - HAD 45-50 BPH DYN LOSSES W 575 GPM. - WASH UP AND REAM DOWN EVERY STD (TWICE IF NEEDED). - SWEEP HOLE W TANDEM PILLS (LO VIS/HI WT) EVERY STD. - PUMP 30 BBLS OF LCM PILL 40 PPB EVERY STD. - TAKE SURVEY EVERY STD 10 FT OFF BTM. - ROTARY 95 % & SLIDING 5 %.

SFNY-4210 WILL BE DRILLED AS A WATER INJECTION PLATFORM LOCATOR VERTICAL WELL, TO THE TOP OF SHUB RESERVOIR. IT WILL EVALUATE THE OIL COLUMN AND CURRENT OWC ACROSS AHMD, MDDD, WARA, SFNY, AND KHFJ RESERVOIRS IN THE EASTERN FLANKS OF SFNY FIELD.

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RIG HEADING: 011.7 DEG

LAT. 28 DEG 21.86' N, LONG 049 DEG 04.22' E

FINAL LEG PENETRATION: BOW 7.87', PORT 6.88', STBD 7.87'.

AIR GAP: 39.37'

WATER DEPTH: 103'

RKB TO MUD LINE: 226'

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SAFETY:  
\*\* HELD WEEKLY H2S, FIRE & ABANDON RIG DRILLS 02/15/23

\*\* HELD MAN DOWN DRILLS 07/16/22

\*\* HELD CONFINED SPACE RESCUE DRILL 06/4/22

\*\* HELD SECONDARY DRILL ON 06/4/22

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ALERTS DISCUSS WITH CREWS: HSE ALERTS 20-23, 21-23, 22-23 AND 23-23

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\*\* LC-50 SAMPLE:

\*\*SENT IN ON POSH SPRINGBOK. MANIFEST # 2400599328 ON 1/8/2023 WBM

\*\*SENT IN ON POSH SPRINGBOK. MANIFEST # 2400601453 ON 1/22/2023 OBM

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PERSONNEL:

\*\*MESHAL ALMUTIRI, ARAMCO PDP #821064 ON BOARD SINCE 02/21/2023

\*\*SHAIK SABEER, VSAT TECHNICIAN #8549325 ON BOARD SINCE 02/26/2023

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RENTAL TOOLS ONBOARD:

\*\* OILSERV 8" HMJ SN:800187 ON BOARD SINCE 01/08/2023. MANIFEST #2100674784

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> UNICOM I-COM AVIATION RADIO RX181333 W/ MICROPHONE HAD BEEN SENT TO TANAJIB IT BLDG 8100 FOR MAINTENANCE/REPAIR ON 02-AUG

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NEXT LOCATION: ABSF-270-279, 503

HSU SITE SPECIFIC SURVEY: 8800018788

RIG MOVE REQUESTS: RM-2023-4008348

DIVER REQUEST FOR CASING STUB: DP-2023-13039

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> WAIT ON WEATHER: 0 HRS; CUMULATIVE: 0 HRS  
 > WAIT ON MARINE BOAT: 0 HRS; CUMULATIVE: 0 HRS.  
 > WAIT ON PRODUCING 0 HRS; CUMULATIVE: 0 HRS  
 > WAIT ON TOOLHOUSE 0 HRS; CUMULATIVE: 0 HRS

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
0-2	4185	38.57	209.72	95	3788.17	-1009.92	-717.11	1205.47	1.08

0-2	4090	39.60	209.73	95	3714.44	-957.91	-687.41	1145.62	1.28
0-2	3995	40.05	211.49	95	3641.47	-905.55	-656.43	1084.8	1.12
0-2	3900	41.07	211.03	95	3569.3	-852.75	-624.38	1023.03	0.74

MUD DATA	Weight 69 PCF	Funnel Vis. 78 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 18	YP 28	Electrical Stability 0 Volts	3/6 RPM 10 / 11	Gels Sec/Min 11 / 15	PH 9.5	CA PPM 220	CL PPM 58000
	FL Temp 0	Cake HTHP 0	Cake API 1	Water Vol. % 93	Oil Vol. % 0	Solids Vol. % 7	Sand Vol. % 0	% LGS 1.09	MBT 0	Mud type NCPOL	Water Well #	
	Weight 68 PCF	Funnel Vis. 73 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 17	YP 26	Electrical Stability 0 Volts	3/6 RPM 10 / 11	Gels Sec/Min 11 / 16	PH 9.5	CA PPM 240	CL PPM 56000
	FL Temp 0	Cake HTHP 0	Cake API 1	Water Vol. % 93	Oil Vol. % 0	Solids Vol. % 7	Sand Vol. % 0	% LGS 1.16	MBT 0	Mud type NCPOL	Water Well #	

MUD TREATMENT	NAACL 3(2500L)	CAUST 13(50LBP)	SODASH 4(100LB)	XC 18(50LB)	PACLV 6(50LB)	NEWDRLPLUS 2(50LB)	PACR 50(55LB)	MAX-GUARD 4(55GL)	PENETREX 4(55GL)	CONDET 10(5GLD)	RAPIDSWEET 1(DRUM)	MRBL-F 3(2200L)	MRBL-M 3(2200L)	MICA-CRSE 66(55LB)	MICA-FINE 68(55LB)	WELL-SEAL M 30(50LB)	MILLPLUG 30(55LB)
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BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out						
	8	M223	12.25	SMT	SM2431	MDSI616V1C	/ 6 X 16 /	1.178	1656	3596							
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP	
	35	45					1600	575	157			181.12		68			

DRILL STRING	Float	Y															
	BHA Hrs:	127															
	String Wt.	Pick Up	Slack Off	180	Rot. Torque	5		Jars:	Serial #/Hrs	/	50	Shock	/	Mud	/	78	
	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #			
	1	Bit	SMT	12.25	1	12.25	0	1.15	6-5/8" REG					SM2431			
	2	Mud Motor	BHI	8.25	1	8.25	7.6	34.9	6-5/8" REG	6-5/8" REG				14846921			
	3	Stabilizer	BHI	8	1	8	3.12	7.32	6-5/8" REG	6-5/8" REG				ZIBSSBD1074			
	4	Gyro MWD	SCD	8.375	1	8.375	3.5	27.8	6-5/8" REG	6-5/8" REG				SDT1103			
	5	Non Magnetic Drill Collar ( NMDC )	SCD	8	1	8	3.75	5.66	6-5/8" REG	6-5/8" REG				74-095			
	6	Multi Activation Circulating Sub	CRW	8.25	1	8.25	2.81	19.79	6-5/8" REG	6-5/8" REG				CC1B0065			
	7	Drillcollar	RIG	8.5	9	8.5	2.875	273.91	6-5/8" REG	6-5/8" REG							
	8	Hydro-Mechanical Jar	OJR	8	1	8	3	31.79	6-5/8" REG	6-5/8" REG				HMJ800-192			
	9	Drillcollar	RIG	8.5	2	8.5	2.75	61.52	6-5/8" REG	6-5/8" REG							
	10	Crossover	RIG	8	1	8	3	2.17	XT-54	6-5/8" REG							
	11	Heavy Weight Drillpipe ( HWDP )	RIG	5.5	15	5.5	3.109	462.59	XT-54	XT-54							

Miscellaneous	BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting										
	02/19/2023	TRIP DRILL	23 KTS SE	3 FT	SEASONAL	5225	PRE-TOUR SAFETY MEETING										

Personnel and Services Information	Real-Time Data Quality															Total 97
	COMPANY	RIG	BHI	SCD	RIG	BDF	ARM	SCM	ARM	CRW	HDV	GEP				
	CATEGORY	CTRG	DPDS	DPDS	RIG	DFMS	OTHR	PCS	WSC	WBCS	DV	WHES				
	NO. OF PERSONS	14	3	2	66	1	3	2	3	1	1	1				
	OPERATING HRS.	0	24	24	24	12	12	24	24	24	0	0				
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24				

Trucks/Boats	Standby/Tankers	RAWABI 5	SKIPSEY TIDE													
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BULK	Drill Wtr.-BBLS	533	Pot Wtr.- BBLS	2676	Fuel- BBLS	841	Barite- SX	7162	Bentonite - SX	0	Cement G- SX	2318				
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REPAIR ASAP	Instrumentation															Reporter
Computer, Communication & V-Sat Issues																

Having issues with connecting to the network . This is a on going issue through the day everyday. When trying to contact VSAT can never get anyone to answer the call. Just a recording.

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Date	MONDAY 02/27/2023	Well No (Type) :	ZULF-2099 (OIL-WATER INJECTOR IN ZULF)	Rig PN- 8	Foreman(s) Engineer Superintendent	ALDHUFARI, ARAK ODAH / MUHEDB, ALI MOHAMMED/ ADEKUNLE, KADRI LUKMAN / ALYAMI, MANA HUSSAIN/ YAMI, NASSER SALEM
Charge	(66- 22062- #: 2099)	Wellbores:	(0) ZULF_2099_0	THURAYA 0088-2167-771-4133 673-6990	RIG FORMAN VSAT 673-3858 (CLERK) 673-9950 (RR)	OTHER VSAT CONTRACTOR/CLERK VSAT 003-9021021303 (OIM)

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops			
5340	P/U NEW 5-1/2" DP & HWDP P/U 12-1/4" C/O ASSY. RIH, C/O CMT, DV, AND FROM CANTILEVER. PT 13- SHOE TRACK. DISPLACEMENT TO 90 PCF REHLLIANT 5/8" 10K BOPS.	ZULF-2090/2099 PF	27.4 (02/06/2023@1745)	RUS 1921 UMER 2226 ARUM 4087 LAMS 4782	1940' MD 2253' MD 4399' MD 5239' MD			
Prev. Depth 5340	Liner Size	TOL	MD	TVD	Last Csg Size 13 3/8	Footage 53384866	Circ % 0	0

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
01.8	0500 - 0645 0	16	N	DRLG	LDP	STRG	RIG	5340	5340	0	0	P/U NEW 5-1/2" DRILL PIPE FROM CANTILEVER. (P/U 327 JTS OUT OF 327 JTS).	
03.8	0645 - 1030 0	16	N	DRLG	LDP	STRG	RIG	5340	5340	0	0	P/U 15 JTS NEW 5-1/2" HWDP FROM CANTILEVER.	
00.8	1030 - 1115 0	16	N	DRLG	OTH	NA	RIG	5340	5340			CONDUCT H2S, FIRE, AND ABANDON DRILL.	
00.2	1115 - 1130 0	16	N	BOP	BOPT	BOP	RIG	5340	5340			PERFORM BOP FUNCTION TEST.	
03.2	1130 - 1445 0	16	N	BOP	OTH	BOP	RIG	5340	5340			MADE UP AND RIH 4 STANDS DP AND BOP TEST PLUG AND LANDED IN WELL HEAD. FILLED BOP AND FLUSHED RELATED LINES.	
10.2	1445 - 0100 0	16	N	BOP	BOPT	BOP	RIG	5340	5340			PRESSURE TESTED BOP COMPONENTS AS PER ARAMCO WELL CONTROL STANDARD. 300 PSI / 3000 PSI FOR 10 MINS EACH WITH WATER.	
02.5	0100 - 0330 0	16	N	BOP	OTH	BOP	RIG	5340	5340			L/D TEST PLUG ASSEMBLY AND M/U CUP TESTER ASSEMBLY.	
00.8	0330 - 0415 0	16	N	BOP	BOPT	BOP	RIG	5340	5340			PRESSURE TEST WELL HEAD OUTLET VALVES AND ALL BOPS CONNECTIONS AS PER ARAMCO STANDARD. EACH TEST HOLD FOR 10 MIN LOW AND 10 MIN HIGH.	
00.8	0415 - 0500 0	16	N	BOP	BOPT	BOP	RIG	5340	5340			PERFORM KOOMEY DRAW DOWN TEST AS PER ARAMCO STANDARD.	

=====CURRENT WELL DATA=====

ZULF-2099 IS A HORIZONTAL WELL THAT WILL BE COMPLETED ACROSS KHFJ AQUIFER AND UTILIZED AS WATER INJECTOR IN ZULF-2090/2099 PF IN THE SOUTH-EASTERN FLANK OF ZULUF FIELD, AS PART OF ZULF ARAB MEDIUM MAINTAIN POTENTIAL PLAN FOR PERIPHERAL WATER INJECTION.

THE WELL WILL BE COMPLETED AS A H/PWI WELL TARGETING KHFJ SAND AQUIFER WITH STAND-ALONE SAND SCREENS (250 MICRONS), OH PACKERS AND UPPER COMPLETION WITH 4-1/2" OR 7" GRE.

=====SAFETY=====

CONDUCTED H2S AND ABANDON DRILL ON 02-18-2023

HELD FIRE DRILL ON 02-18-2023

=====PERSONNEL ONBOARD=====

RIG CLERK OLIVER TANDINGAN ONBOARD SINCE 12/8/2022

\*\* TURKI ALMJISHAI, MATERIAL EXPEDITOR #814227 ON BOARD SINCE 02/24/2023

=====RENTAL TOOLS=====

6-3/4" MIDAD HYDRO MECHANICAL JAR - SN. DJ6-675-97 - ONBOARD SINCE 2/14/2023

=====BATCH SEQUENCE=====

ZULF-2090 TIE BACK (TIED BACK 18-5/8" AND 13 3/8" CASING)

ZULF-2099 22" SECTION (COMPLETED)

ZULF-2094 22" SECTION (COMPLETED)

ZULF-2096 22" SECTION (COMPLETED)

ZULF-2098 22" SECTION (COMPLETED)

ZULF-2097 22" SECTION (COMPLETED)

ZULF-2095 22" SECTION (COMPLETED)

ZULF-2099 16" SECTION (CURRENT WELL)

=====ZULF-2099 PLANNED CASING POINTS=====

13-3/8" CSG: 100' TVD INTO LAMS (+/- 5,436' MD)

9-5/8" CSG: 216' TVD BELOW KHAFJI (+/- 10,289' MD)

TARGET DEPTH: +/- 13,470' MD

=====RIG DATA=====

AIR GAP - 35.56 FT

RKB: 257.9 FT

INITIAL PENETRATION:

BOW LEG - 10.78 FT

STBD LEG - 10.24 FT

PORT LEG - 10.04 FT

FINAL PENETRATION:

BOW LEG - 11,42 FT

STBD LEG - 10,89 FT

PORT LEG - 10,70 FT

COORDINATES:

LAT N 28.23'15"

LON E 049.23'12"

HEADING 336.8

=====SAIPEM STAFF SHORTAGE TODAY=====

1 FLOORMAN 2 ROUSTABOUT

=====LC-50 MUD SAMPLE NACL POLYMER SENT ON 2/11/2023 MN# 2400604791

Remarks

Lateral	Survey MD		Angle	Azimuth	CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS				
MUD DATA	Weight <b>70</b> PCF	Funnel Vis. <b>54</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>15</b>	YP <b>25</b>	Electrical Stability <b>0</b> Volts		3/6 RPM <b>8 / 9</b>	Gels Sec/Min <b>9 / 12</b>	PH <b>10</b>	CA PPM <b>320</b>	CL PPM <b>51000</b>					
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API	Water Vol. % <b>94</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>6</b>	Sand Vol. % <b>0</b>		% LGS <b>1.82</b>	MBT <b>5</b>	Mud type <b>NCPOL</b>	Water Well #						
	Weight <b>70</b> PCF	Funnel Vis. <b>56</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>15</b>	YP <b>26</b>	Electrical Stability <b>0</b> Volts		3/6 RPM <b>8 / 9</b>	Gels Sec/Min <b>9 / 13</b>	PH <b>9.6</b>	CA PPM <b>360</b>	CL PPM <b>50000</b>					
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API	Water Vol. % <b>94</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>6</b>	Sand Vol. % <b>0</b>		% LGS <b>1.82</b>	MBT <b>5</b>	Mud type <b>NCPOL</b>	Water Well #						
MUD TREATMENT																		
BIT DATA																		
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #				
Miscellaneous	BOP Test	BOP Drills		Wind <b>20-25 KNOTS</b>	Sea <b>2 - 3</b>	Weather <b>SEASONAL</b>		DSLTA		Safety Meeting <b>TOURLY</b>								
	Real-Time Data Quality		Sensors Quality		100%	Data Frequency		100%	Real-Time Hrs		<b>11.49/24 hrs</b>							
Personnel and Services Information	COMPANY		FMC	OTH	SDM	RIG	OES	SMI	SRT	ARM	SCM	BRD	ARM	SAM	Total <b>89</b>			
	CATEGORY		CSR	CTRG	DPDS	RIG	DFMS	DFMS	HO	OTHR	PCS	SCS	WSC	WBCS				
	NO. OF PERSONS		<b>0</b>	<b>13</b>	<b>4</b>	<b>59</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>1</b>				
	OPERATING HRS.		<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>0</b>				
	ON LOCATION HRS.		<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>				
Trucks/Boats	Standby/Tankers																	
	<b>RAWABI-320</b>																	
BULK	Drill Wtr.-BBLS <b>2949</b>	Pot Wtr.- BBLS <b>1826</b>	Fuel- BBLS <b>1649</b>	Barite- SX <b>6241</b>	Bentonite - SX <b>0</b>	Cement G- SX <b>4422</b>												
REPAIR ASAP	Instrumentation	Other												Reporter				
	Computer, Communication & V-Sat Issues																	

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 Daily OffShore  
 (0500-0500) Saudi Aramco

Date	Well No (Type) :	Rig	Foreman(s)	SENGER, MAHMOUD FATHY/ OSMAN, AHMED FAISAL/
MONDAY 02/27/2023	MRJN-677 (OIL PRODUCER SINGLE LATERAL TARGETING MNFR)	PN-9	Engineer	LUQUETTA BERRIO, HELMUT JOSIP/
	Charge #: (66- 18073- 0677)		Superintendent	GHAMDI, MAGID ABDULLA
	Wellbores: (0) MRJN_677_0		RIG FORMAN VSAT	OTHER VSAT
		+88216 77711390	3786354	+39020127000 RADIO ROOM
				CONTRACTOR/CLERK VSAT
				3786355

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
15113	CHC, POOH WBCO ASSY, RIH 6 1/8" REAMING ASSY, CHC ONGING.	PERFORM ACIDIC BRINE JOB, POOH WBCO ASSY TO 7" LNR SHOE, L/D DRILL STRG. BOP TEST, RIH ESP	448 METERS SOUTH OF MARJN ANCHORAGE SOUTHERN LIMIT MRJN-GOSP-2 6.03 KM	58.2 (02/16/2023@1200)	URTR 8320 7926' TVD SULY 8532 8076' TVD LRTL 8567 8102 TVD MNFR 9952 8707' TVD

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
15113	7	7894	10087	8714	9 5/8	8178	7822	0	99

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
01.8	0500 - 0645	0		N	CT	CIRC	MPMP	RIG	15113	15113			PUMP SWEEP & CHC. - DYNAMIC LOSSES 6-8 BPH.
00.2	0645 - 0700	0		N	CT	WCNT	NA	RIG	15113	15113			FLOW CHECK, STATIC LOSSES 4-6 BPH.
03.5	0700 - 1030	0		N	CT	TO	STDP	RIG	15113	15113	10000	2251	POOH 4TH RUN TANDEM 7" X 9 5/8" WBCO ASSY ON 5 1/2" D/P. - STATIC LOSSES 6 BPH.
01.5	1030 - 1200	0		N	CT	HT	BHA	RIG	15113	15113			L/D 9-5/8" CORETRAX WBCO ASSY. - COLLECTED 1.75 KG DEBRIS (1.00 KG F/ JUNK BASKET & 0.75 KG F/ MAGNETS). - MONITOR WELL ON TRIP TANK, STATIC LOSSES: 6 BPH
00.5	1200 - 1230	0		N	CT	HT	BHA	RIG	15113	15113			HELD SAFETY STAND DOWN MEETING WITH ALL ON TOUR CREW & 3RD PARTY PERSONNEL. TOPICS INCLUDE HAZARD RELATED TO THE UPCOMING OPERATION, TOFS AND STOP WORK AUTHORITY, NO RUSH FOR ANY TASK, ONLY DECK CREW AUTHORIZED FOR LIFTING OPERATION, WATER BOTTLES CANNOT BE USED FOR CHEMICALS, POOR HOUSEKEEPING ON SMOKING AREA
00.2	1230 - 1245	0		N	CT	HT	PEL	RIG	15113	15113			CHANGE HANDLING TOOLS F/ 5 1/2" TO 4"
01.0	1245 - 1345	0		N	CT	TO	STDP	RIG	15113	15113	2182	289	POOH 4TH RUN WBCO ASSY ON 4" D/P. - STATIC LOSSES 6 BPH.
00.2	1345 - 1400	0		N	CT	WCNT	NA	RIG	15113	15113			FLOW CHECK AT TOP OF BHA, STATIC LOSSES: 6 BPH.
01.0	1400 - 1500	0		N	CT	HT	BHA	RIG	15113	15113			L/D 7" CORETRAX WBCO ASSY. - COLLECTED 1.00 KG DEBRIS (0.50 KG F/ JUNK BASKET & 0.50 KG F/ MAGNETS). - MONITOR WELL ON TRIP TANK, STATIC LOSSES: 6 BPH
00.2	1500 - 1515	0		N	CT	PJSIM	STRG	RIG	15113	15113			HPJSIM FOR HANDLING REAMING BHA.
00.8	1515 - 1600	0		N	CT	HT	BHA	RIG	15113	15113			P/UP & M/UP 6 1/8" REAMING BHA. - MONITOR WELL ON TRIP TANK, STATIC LOSSES: 6 BPH.
01.0	1600 - 1700	0		N	CT	TI	STHDP	RIG	15113	15113	138	997	RIH 6 1/8" REAMING BHA ON 4" HWDP. - M/UP 4 3/4" DRLG JAR. - MONITOR WELL ON TRIP TANK, STATIC LOSSES: 6 BPH.
00.2	1700 - 1715	0		N	CT	CIRC	MPMP	RIG	15113	15113			INSTALL X.OVER & FILL UP STRG.
01.5	1715 - 1845	0		N	CT	TI	STDP	RIG	15113	15113	997	3100	RIH 6 1/8" REAMING BHA ON 4" DP. - FILL STRG EVERY 20 STD. - STATIC LOSSES 6 BPH.
00.2	1845 - 1900	0		N	CT	CIRC	MPMP	RIG	15113	15113			INSTALL X.OVER & FILL UP STRG.
01.5	1900 - 2030	0		N	CT	TI	STDP	RIG	15113	15113	3100	5300	RIH 6 1/8" REAMING BHA ON 4" DP. - FILL STRG EVERY 20 STD. - STATIC LOSSES 6 BPH.
00.2	2030 - 2045	0		N	CT	CIRC	MPMP	RIG	15113	15113			INSTALL X.OVER & FILL UP STRG.
01.5	2045 - 2215	0		N	CT	TI	STDP	RIG	15113	15113	5300	7619	RIH 6 1/8" REAMING BHA ON 4" DP. - FILL STRG EVERY 20 STD. - STATIC LOSSES 6 BPH.
00.2	2215 - 2230	0		N	CT	HT	PEL	RIG	15113	15113			CHANGE HANDLLING TOOLS F/ 4" TO 5-1/2"
01.5	2230 - 0000	0		N	CT	TI	STDP	RIG	15113	15113	7619	10087	RIH 6 1/8" REAMING BHA ON 5-1/2" DP TO 7" LINER SHOE. - FILL STRG EVERY 20 STD. - STATIC LOSSES 6 BPH.
00.5	0000 - 0030	0		N	CT	PJSIM	STRG	ARM	15113	15113			HELD SAFETY STAND DOWN MEETING WITH ALL ON TOUR CREW & 3RD PARTY PERSONNEL. TOPICS INCLUDE HAZARD RELATED TO THE UPCOMING OPERATION, TOFS AND STOP WORK AUTHORITY, NO RUSH FOR ANY TASK, ONLY DECK CREW AUTHORIZED FOR LIFTING OPERATION, WATER BOTTLES CANNOT BE USED FOR CHEMICALS, POOR HOUSEKEEPING ON SMOKING AREA.
03.5	0030 - 0400	0		N	CT	TI	STDP	RIG	15113	15113	10087	15113	RIH 6 1/8" REAMING BHA ON 5-1/2" DP TO BTM. - FILL STRG EVERY 20 STD. - STATIC LOSSES 6 BPH.
01.0	0400 - 0500	0		N	CT	TI	STDP	RIG	15113	15113	10087	15113	PUMP SWEEP & CHC ONGOING.

MRJN-677, WILL BE DRILLED AS A SINGLE LATERAL WELL TARGETING MANIFA RESERVOIR & COMPLETED W/ ESP.

\* ESTIMATED TOTAL DEPTH OF +/- 15,115 FT MD. THIS WELL WILL BE DRILLED AS BATCH DRILLED ALONG WITH OTHER WELLS (MRJN-672 AND MRJN-673) ON THE PLATFORM.

SAFETY;

- 30 MIN SAFETY STAND DOWN EACH TOUR.
  - 2 X TRIP DRILL.

- ARAMCO CLERK: ALFREDO JR QUEMADO #8243006 ON BOARD SINCE 20-JAN-2023.

- CONTRACTOR MANAGEMENT VIST.
  - SAIPEM RIG MANAGER MICHELE COLOMBO ID# 8303697 ON BOARD SINCE 03-02-2023.
  - SAIPEM RIG HSE SUPERVISOR ABDELHAKIM BENDECHACHE ID# 8238813 DEPART RIG ON 26-12-2022

**ODF TO MSL: 140 FT, RKB TO MSL: 107 FT, CORRECTION [RKB-ODF = + 33 FT]. ALL REPORT DEPTH REFERENCE TO ODF.**

**\*\* WELL: MRJN-677**

**\*\* RIG POSITION: 28° 24.575' N LATITUDE, 049°40.303' E LONGITUDE, RIG HEADING 330.5 DEG.**

**\*\* WATER DEPTH: 151 FT. (MSL)**

**\*\* AIR GAP: 39.6 FT**

**\*\* RKB TO MSL: 107 FT**

**\*\* RKB TO SEA BED: 256.5 FT**

**EXISTING 18-5/8" CSG @ 2640'.**

**EXISTING 13-3/8" CSG @ 5535"**

**EXISTING 9-5/8" CSG @ 8178'.**

## **PLANNED DRILLING 6-1/8" SECTION**

## **DRILLING SEQUENCE:**

- MRJN-672; SUSPENDED FOR FLOWBACK.
  - MRJN-673; SUSPENDED FOR FLOWBACK.
  - MRJN-677; DRILLING 6-1/8" SECTION.

- LC 50 SAMPLE : BACKLOAD MANIFEST # 2400570447 ON RJ COCO ON 07/07/2022.
  - LC 50 SAMPLE : BACKLOAD MANIFEST # 2400582824 ON RAWABI-26 ON 24/09/2022.

- CORETRAX 7" PBL SUB ON BOARD SINCE 24-JAN-2023.
  - NPS 6-1/2" JAR S:N: HJDA-650-0011 ON BOARD SINCE 24-JAN-2023.
  - NPS 4 3/4" DRLG JAR S:N GE-DJ-00049 ONBOARD SINCE 8-FEB-2023 MNFST# 2100680650
  - CORETRAX BPL SUB S-N DUBC-0094 ONBOARD SINCE 08-FEB-2023 MNFST# 2100680650.

## **NEX PLATFORM ; SFNY 1060 1069 PLATFORM.**

- SEA BED / DEBRI SURVEY # 8800019321 APPROVED 30TH JAN 2023.
  - RIG MOVE REQUEST RM-2023-4008380 APPROVED 19TH JAN 2023.
  - RIG MOVE REQUEST RM-2023-4008381 APPROVED 19TH JAN 2023.
  - RIG MOVE MEATING HELD 06TH FEB 2023.
  - PLATFORM DEPRESSURIZATION REQUEST CREATED 30TH JAN 2023.

## Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate				E/W(-)Coordinate				Vertical Sec		DLS				
MUD DATA	Weight <b>74</b>	Funnel Vis. <b>27</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts		3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9.5</b>	CA PPM <b>0</b>	CL PPM <b>181000</b>									
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>89</b>	Oil Vol. %	Solids Vol. % <b>11</b>	Sand Vol. % <b>0</b>		% LGS <b>0</b>	MBT	Mud type <b>NACL</b>	Water Well #										
	Weight <b>74</b>	Funnel Vis. <b>27</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts		3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9.5</b>	CA PPM <b>0</b>	CL PPM <b>181000</b>									
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>89</b>	Oil Vol. %	Solids Vol. % <b>11</b>	Sand Vol. % <b>0</b>		% LGS <b>0</b>	MBT	Mud type <b>NACL</b>	Water Well #										
MUD TREATMENT	HEC <b>28</b> (25KG)	SODASH <b>6</b> (50KG)	NACL <b>44</b> (2200L)	CAUST <b>4</b> (50LBP)																		
BIT DATA																						
DRILL STRING	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #						
	<b>1</b>	<b>Bit</b>			<b>SEC</b>	<b>6.125</b>	<b>1</b>	<b>6.125</b>		<b>0.6</b>	<b>3.5" REG</b>					<b>838306</b>						
	<b>2</b>	<b>Bit Sub</b>			<b>RIG</b>	<b>4.75</b>	<b>1</b>	<b>4.75</b>	<b>1.5</b>	<b>2.42</b>	<b>3.5 IF</b>	<b>3.5 REG</b>				<b>609</b>						
	<b>3</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>4.75</b>	<b>1</b>	<b>4.75</b>	<b>2.25</b>	<b>30.73</b>	<b>3.5 IF</b>	<b>3.5 IF</b>										
	<b>4</b>	<b>String Reamer</b>			<b>RIG</b>	<b>6.125</b>	<b>1</b>	<b>6.125</b>	<b>2</b>	<b>6.13</b>	<b>3.5 IF</b>	<b>3.5 IF</b>				<b>GU5263</b>						
	<b>5</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>4.75</b>	<b>2</b>	<b>4.75</b>	<b>2.25</b>	<b>62.01</b>	<b>XT39</b>	<b>3.5 IF</b>										
	<b>6</b>	<b>Crossover</b>			<b>RIG</b>	<b>4.75</b>	<b>1</b>			<b>2.69</b>	<b>XT-39</b>	<b>3.5 IF</b>				<b>54904-1</b>						
	<b>7</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>4</b>	<b>12</b>	<b>4</b>	<b>2.25</b>	<b>367.94</b>	<b>XT-39</b>	<b>XT-39</b>				<b>RIG TALLY</b>						
	<b>8</b>	<b>Hydraulic Jar</b>			<b>NPJ</b>	<b>4.75</b>	<b>1</b>	<b>4.75</b>	<b>2.25</b>	<b>30.76</b>	<b>XT-39</b>	<b>XT-39</b>				<b>GE-DJ-00049</b>						
	<b>9</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>4</b>	<b>15</b>	<b>4</b>	<b>2.25</b>	<b>460.38</b>	<b>XT-39</b>	<b>XT-39</b>				<b>RIG TALLY</b>						
	<b>10</b>	<b>Drillpipe</b>			<b>RIG</b>	<b>4</b>	<b>210</b>	<b>4</b>	<b>2.5</b>	<b>6620.34</b>	<b>XT39</b>	<b>XT39</b>				<b>RIG TALLY</b>						
	<b>11</b>	<b>Crossover</b>			<b>RIG</b>	<b>5.5</b>	<b>1</b>	<b>5.5</b>	<b>2.5</b>	<b>1.29</b>	<b>XT54</b>	<b>XT39</b>				<b>130966750</b>						
	<b>12</b>	<b>Drillpipe</b>			<b>RIG</b>	<b>5.5</b>	<b>1</b>	<b>5.5</b>	<b>2.5</b>	<b>30</b>	<b>XT54</b>	<b>XT54</b>										
Miscellaneous	BOP Test <b>02/14/2023</b>		BOP Drills <b>TOURLY</b>		Wind <b>16-17 KNOTS</b>		Sea <b>4 FT</b>	Weather <b>5 NM VISIBILITY</b>				DSLTA		Safety Meeting <b>TOURLY</b>								
	Real-Time Data Quality				Sensors Quality			100%	Data Frequency		100%	Real-Time Hrs		10.99/24 hrs								
Personnel and Services Information	COMPANY		BAL	GOC	OTH	BCT	BHI	BDF	SMI	NFT	NPJ	RIG	ARM	HCM	HSL	HCO	ARM	NWT	CRW			
	CATEGORY		ALS	CSR	CTRG	COIL	DPDS	DFMS	DFMS	FILT	JST	OTHR	OTHR	PCS	SLS	SSSV	WSC	WTSE	WBCS			
	NO. OF PERSONS		7	2	13	2	2	1	1	2	0	66	1	1	3	1	2	2	1			
	OPERATING HRS.		0	0	0	3	0	12	12	4	13	24	12	0	0	0	24	0	10			
																	Total <b>107</b>					

	ON LOCATION HRS.	24	24	24	24	24	24	24	0	24	24	24	24	24	24	24
Trucks/Boats	Standby/Tankers															
	<b>HADI-41</b>															
BULK	Drill Wtr.-BBLS <b>3352</b>	Pot Wtr.- BBLS <b>2201</b>	Fuel- BBLS <b>1197</b>	Barite- SX <b>2203</b>	Bentonite - SX <b>573</b>	Cement G- SX <b>3877</b>										
REPAIR ASAP	Instrumentation	Other														Reporter
	Computer, Communication & V-Sat Issues															

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D&WO Morning Report (Service Providers View)  
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Daily OffShore  
(0500-0500) Saudi Aramco

Date <b>MONDAY</b> <b>02/27/2023</b>	Well No (Type) : <b>MRJN-586</b> <b>(DUAL LATERAL</b> <b>RYWI PRODUCER)</b> Charge #: <b>(66- 20073- 0586)</b> Wellbores: (0) MRJN_586_0	Rig <b>QMS-MARYAH</b>	Foreman(s) Engineer Superintendent	<b>DAHMAN, MICHAEL SCOTT/</b> <b>MOUSA, MOHAMMAD ADEL/</b> <b>QAHTANI, SALEM DULAIM</b>	RIG THURAYA	FORMAN VSAT	OTHER VSAT	CONTRACTOR/CLERK VSAT
					<b>009668821677714155</b>	<b>673-5585</b>	<b>673-5735</b>	<b>673-9957</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
15227	<b>CT CLEAN-OUT TPI PROFILE PUMPING BRINE, POH, REMOVE RISERS F/BOP, LD WIS CLEAN-OUT BHA, MU TPI, CONNECT RISERS TO BOP, PT, WAIT ON DAYLIGHT, CT RIH</b>	<b>CT RIH. SET TPI, POH W/ CT, REMOVE RISERS F/BOP, LD TPI SETTING BHA, MU CT N2 LIFT BHA, CONNECT RISERS TO BOP, PT, WAIT ON DAYLIGHT, CT RIH TO LIFT W/ N2</b>	<b>MRJN 580/589 PLTF</b>	<b>100.6</b> (02/15/2023@0000)	

Prev. Depth	Liner Size	TOL	MD	TVB	Last Csg Size	MD	TVB	Footage	Circ %
<b>14913</b>	<b>7</b>	<b>7506</b>	<b>9984</b>	<b>8106</b>	<b>9 5/8</b>	<b>83457807</b>		<b>314</b>	

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
02.0	0500 - 0700	0		E	TEST	OTH	NA	SCT	15227	15227			SLB CT CONT RIH W/ WIS CLEAN-OUT BHA TO 7523' (50' BELOW TPI SETTING DEPTH)
03.0	0700 - 1000	0		E	TEST	OTH	NA	SCT	15227	15227			CLEAN-OUT TPI PROFILE AT 7473' WORKING CT 50' BELOW AND ABOVE PUMPING 74 PCF BRINE AT 1.5 BPM/2000 PSI
06.0	1000 - 1600	0		E	TEST	OTH	NA	SCT	15227	15227			POH W/ WIS CLEAN-OUT BHA ON SLB CT TO SURFACE
01.0	1600 - 1700	0		E	TEST	RD	CTU	SCT	15227	15227			DISCONNECT INJ ASSY/RISERS F/ TOP OF BOPS.
01.0	1700 - 1800	0		E	TEST	OTH	NA	WI2	15227	15227			L/D WIS CLEAN-OUT BHA
02.0	1800 - 2000	0		E	TEST	OTH	NA	SCT	15227	15227			M/U H'BURTON TPI & WIS SETTING ASSY. FUNCTION TEST SAME
06.0	2000 - 0200	0		E	TEST	WO	NA	SCT	15227	15227			WAIT ON DAYLIGHT TO SET TPI - ALSO, WAIT ON HIGH WINDS TO CONNECT RISER/INJ ASSY (WELL SECURE)
01.0	0200 - 0300	0		E	TEST	RU	CTU	SCT	15227	15227			SLB CT CONNECT RISER/INJ ASSY TO TOP OF CT BOPS. SECURE W/ 4-LEGS CHAINS. PT INJ ASSY & RISERS TO 2500 PSI.
02.0	0300 - 0500	0		E	TEST	OTH	NA	AHQ	15227	15227			OPEN CROWN VLV, SLB CT RIH TO SET TPI AT 7473'...IN PROGRESS

## **FLOWBACK PF'S COMPLETED:**

- ZULF-1330/1339 PF (5 WELLS COMPLETED).
  - ABSF-198, 210/219 PF (11 WELLS COMPLETED).
  - ZULF-690/699 PF (7 WELLS COMPLETED).
  - MRJN-770/779 PF (7 WELLS COMPLETED).
  - MRJN-580/589 PF (7 WELLS COMPLETED OUT OF 8 WELLS)

#### **MR-JN 580/589 WELLS TO FLOWBACK**

- MRJN-582 SGL LAT (COMPLETED)
  - MRJN-583 SGL LAT (COMPLETED)
  - MRJN-589 SGL LAT (COMPLETED)
  - MRJN-581 DUAL LAT (COMPLETED)
  - MRJN-587 DUAL LAT (COMPLETED)
  - MRJN-588 DUAL LAT (COMPLETED)
  - MRJN-584 DUAL LAT (COMPLETED)
  - MRJN-586 DUAL LAT LEVEL 5 (CURR

**RAED ALJURBUA #8389808 MATERIAL EXPEDIATOR ONBOARD 15 FEB 2023.  
MOHAMMAD MOUSA #761637 ARAMCO ENG ON BOARD 15 FEB 2023.**

**HELD H2S DRILL ON 22 FEB 2023.  
HELD FIRE DRILL ON 04 DEC 2022**

- SEABED SURVEY REQUESTED FOR ZULF 1380/1389 ON 02 OCT 2022 (8800018696).
  - SEABED SURVEY REQUESTED FOR MRJN 810/819 ON 02 OCT 2022 (8800018697).
  - SEABED SURVEY REQUESTED FOR MRJN 530/539 ON 15 FEB 2023 (8800019423)

#### Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS					
MUD DATA														
MUD TREATMENT														
BIT DATA														
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
Miscellaneous	BOP Test	BOP Drills	Wind	ENE 7-8 KTS	Sea	Weather	1-2 FT	SEASONAL	DSLTA	Safety Meeting	PRE-TOUR			
	Real-Time Data Quality				No Transmission									

Personnel and Services Information	COMPANY	SCT	OTH	HCO	RIG	TSF	HML	ARM	SLL	WI2	BC	ARM	SWT	Total <b>86</b>
	CATEGORY	COIL	CTR G	ICE	RIG	H2S	MULS	OTHR	SLS	SLS	SSSV	WSC	WTSE	
	NO. OF PERSONS	10	14	2	29	1	2	2	2	2	1	1	20	
	OPERATING HRS.	24	0	24	24	24	24	12	24	24	24	24	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24	24	
	Standby/Tankers	<b>RAWABI-17</b>												
Trucks/Boats	ZAMIL-504	Drill Wtr.- BBLS <b>1603</b>	Pot Wtr.- BBLS <b>960</b>	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX							
BULK	REPAIR ASAP	Instrumentation	Other	Computer, Communication & V-Sat Issues										Reporter

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 Daily OffShore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HSBH-23 (DRILL KHUFF &amp; PRODUCE)</b>	Rig <b>RBP- 50A</b>	Foreman(s) <b>VAN HORSSEN, BASTIAAN/ NEACSU, VISAN/ SULEYMANOV, OKTAY/ FARTAS, ZAHIR EL AMAR</b>
Charge <b>(71- 21023- #: 0023)</b>	Wellbores: (0- 1) <b>HSBH_23_1</b>	Engineer Superintendent	<b>THURAYA</b> RIG FORMAN VSAT <b>+8821677712115 +966(0)13 3786 327</b> CONTRACTOR/CLERK <b>VSAT +966(0)13 3786 326</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>12199</b>	<b>TOH WITH DRILLING BHA. TIH WITH SCRAPER ASSY. CIRCULATE AND CONDITION.</b>	<b>TOH WITH SCRAPER ASSY. TIH WITH 8-3/8" REAMING BHA. CHC. DROP GYRO. TOH</b>	<b>HSBH-23/29 PLATFORM</b>	<b>197.9</b> (12/01/2022@0100)	<b>KHFF 11291 KFAC 11304 AS PER PROGRAM KFBC 11420 10' HIGHER THEN PROGRAM KFBR 11560 13' HIGHER THEN PROGRAM. KFCC 11965 108' HIGHER THEN PROGRAM</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>12199</b>	<b>9 5/8</b>	<b>9037</b>	<b>11294</b>	<b>11283</b>	<b>14</b>	<b>97929792</b>		<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
00.2	0500 - 0515	0-1	8 3/8	N	DRLG	HT	STRG	RIG	12199	12199			CONTINUE TOH WITH 8-3/8" DRLG ASSEMBLY ON 5-1/2" DP FROM 1,700' TO 1,384'. HOLE TAKE PROPER DISPLACEMENT.			
00.5	0515 - 0545	0-1	8 3/8	N	DRLG	CIRC	MPMP	RIG	12199	12199			FLOW CHECK ON TRIP-TANK: STATIC.			
01.0	0545 - 0645	0-1	8 3/8	N	DRLG	OTH	NA	RIG	12199	12199			PERFORM FULL SURVEY ON THE ST-120 IRON ROUGH- NECK (THREE (3) 17MM X 5CM BOLTS FOUND UNDERNEATH). SERVICE TBA, TDS AND PRS WHILE MONITOR WELL ON TRIP TANK: STATIC.			
02.5	0645 - 0915	0-1	8 3/8	N	DRLG	HT	BHA	RIG	12199	12199			CONTINUE TOH WITH 8-3/8" DRLG ASSEMBLY ON 5-1/2" HWDP. L/DN JARS, RE-DROP, BREAK OFF BIT AND BIT- SUB. NOTE: 3" HOLLOW DRIFT NOT RECOVERED, INVESTIGATE SAME FOUND DRIFT IN STAND #26. HOLE TAKE PROPER DISPLACEMENT. FUNCTIONED BOP'S PER PROCEDURE.			
02.0	0915 - 1115	0-1	8 3/8	N	DRLG	OTH	NA	RIG	12199	12199			HELD PJSM WITH ALL PARTIES INVOLVED. MANUALLY DRIFT 26 STANDS OF 5-1/2" DP AND 12 STANDS AND A DOUBLE OF 5-1/2" HWDP IN DERRICK. DRIFTED REMAINING STRING WITHOUT ANY PROBLEMS.			
02.5	1115 - 1345	0-1	8 3/8	N	DRLG	HT	BHA	RIG	12199	12199			HELD PJSM. P/UP AND M/UP 9-5/8" WBCO ASSEMBLY: 8- 3/8" PDC, BIG PORTED PDC (RE-RUN), 2X JUNK BASKETS, BIT-SUB, X/O, 2X STRING MAGNETS, X/O, -9-5/8" CASING SCRAPER, X/O, 9-5/8" CASING BRUSH, 2 X STRING MAGNETS, 3X 6-1/2" DC'S, X/O, 30X 5-1/2" HWDP, JARS, 8X 5-1/2" HWDP TO 1,344'. DRIFT ALL NEWLY PICKED UP COMPONENTS.			
00.5	1345 - 1415	0-1	8 3/8	N	DRLG	CIRC	MPMP	RIG	12199	12199			M/UP TDS FILL UP STRING AND BREAK CIRCULATION. PREPARE TO P/UP 29 JOINTS ADDITIONAL 5-1/2" DP.			
00.2	1415 - 1430	0-1	8 3/8	N	DRLG	CIRC	MPMP	RIG	12199	12199			FLUSH SURFACE LINES AND WELL CONTROL EQUIPMENT WITH FRESH LOW SOLID CONTENT 115PCF MUD.			
01.8	1430 - 1615	0-1	8 3/8	N	DRLG	HT	STRG	RIG	12199	12199			HELD PJSM. P/UP AND RIH 9-5/8" WBCO ASSEMBLY ON 29 JOINTS OF 5-1/2" DP TO 2,289' AT CONTROLLED SPEED. DRIFT ALL NEWLY PICKED UP DP.			
00.5	1615 - 1645	0-1	8 3/8	N	DRLG	CIRC	MPMP	RIG	12199	12199			M/UP TDS FILL UP STRING AND BREAK CIRCULATION.			
06.0	1645 - 2245	0-1	8 3/8	N	DRLG	HT	STRG	RIG	12199	12199			CONTINUE RIH WITH 9-5/8" WBCO ASSEMBLY FROM 2,289' TO 9,035' AT CONTROLLED SPEED (TOL). FILLING UP AND BREAKING CIRCULATION EVERY 20 STANDS.			
01.8	2245 - 0030	0-1	8 3/8	N	DRLG	CIRC	MPMP	RIG	12199	12199			CIRCULATE AND CONDITION 115PCF LOW SOLID CONTENT MUD AT 800GPM, 2,270PSI, PER MUD ENGINEER REQUIREMENTS. NO GAS OR LOSSES.			
01.5	0030 - 0200	0-1	8 3/8	N	DRLG	HT	STRG	RIG	12199	12199			ENTER LINER WITH CAUTION, CONTINUE RIH WITH 9-5/8" WBCO ASSEMBLY ON 5-1/2"DP AT CONTROLLED SPEED TO 10,850'.			
02.2	0200 - 0415	0-1	8 3/8	N	DRLG	CIRC	MPMP	RIG	12199	12199			WORK SCRAPER AND BRUSH THREE (3) TIMES THROUGH HALLIBURTON PACKERS DEPTH FROM 10,700' TO 11,105' (15' ABOVE LC) AT 200GPM, 554PSI.			

**00.8 0415 - 0500 0-1    8 3/8    N    DRLG    CIRC    MPMP    RIG    12199    12199    PUMP 30BBLS OF HI-VIS, CIRCULATE AND CONDITION  
115PCF LOW SOLID CONTENT MUD AT 400GPM PER MUD  
ENGINEER'S REQUIREMENTS. ONGOING A RPT.**

**HSBH-23 WILL BE DRILLED IN KHUFF, RUN COMPLETION AND FLOW BACK WELL.**

ODE (RM-74A) VS GDE IS +1 FT.

8-3/8 HOLE SECTION TD @ +/- 12,440FT

**EAS-DBILL (TOP) SETTING DEPTHS: #1**

#### **8-3/8" SECTION DOWN HOLE LOSSES:**

- DAILY 0 BBLS OF 115 PCF WBM.
  - CUMULATIVE 31,676 BBLS OF 115PCF WBM (INCLUDING 100BBLS OF 80PPB, 830BBLS OF 261PPB AND 820BBLS OF 186PPB LCM PILLS).
  - TOTAL CEMENT PUMPED/SQUEEZED: 1,609 BBLS.

#### **DISCUSS RELEVANT STOP CARDS. DAILY AND WEEKLY SAFETY MEETINGS.**

**DISCUSS RELEVANT CLOTH-CARD, DAILEY AND WEEKEY SAFETY MEETINGS.**

**THURAYA CHECK: OK ON 2/26/23.**

MATERIAL EXPEDITOR SALEH ALAKNAH ID# 8531099 ONBOARD 2/21/23.

**RIG ARRIVED AT HSBH-23 ON 11/27/22. (ARO) RIG NET NO: +966135106222 - USA 1-2815602892 IN CASE ARAMCO V-SAT DOWN.**

- WAIT ON WEATHER: TODAY 0 HRS / CUMULATIVE 243.75HRS.
  - WAIT ON PRODUCING: TODAY 0HRS / CUMULATIVE 0HRS.
  - WAIT ON MARINE: TODAY 0HRS / CUMULATIVE 3HRS.
  - WAIT ON TOOL HOUSE: TODAY 0HRS / CUMULATIVE 0HRS.
  - WAIT ON AVIATION: TODAY 0HRS / CUMULATIVE 0HRS.

**CCA-5 40" X 48" = 0 PSI**

**CCA-4 32" X 40" = 0 PSI**

**CCA-3 24" X 32" = 400 PSI**

**CCA-2 18-5/8" X 24" = 100 PS**

**CCA=1 14" X 18-5/8" = 0 PSI**

- POSSIBLE RIG MOVE DATE:
  - NEXT LOCATION: PLATFORM H-22/28, WELL H-28.
  - PLATFORM DEPRESSURIZATION:
  - RIG MOVE:
  - PLATFORM DEBRIS SURVEY REQUEST: CRM-SR 8800019051.
  - RIG MOVE BOAT REQUEST: DRSS#
  - RIG MOVE MEETING:
  - VISIT DONE ON:

- LC-50 SAMPLE FOR HSBH-23 - SENT TO TOWN ON CAROLINE TIDE III. MM#2400596446. 23 DECEMBER 2022.

#### Remarks

DRILL STRING	BHA Hrs:																							
	String Wt.	Pick Up	Slack Off		Rot. Torque		Jars: / 0		Shock /		Mud /													
	375	385	375		375		Serial #/Hrs		/ /		Sub: / /		Motor: / /											
	Float Y																							
	BHA Hrs:																							
	String Wt.	Pick Up	Slack Off		Rot. Torque		Jars: / /		Shock / /		Mud / /													
	Order		Component		Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #								
	1	Bit		HTC	8.375	1	8.375		0.92	4-1/2" REG						7916373								
	2	Component Not listed		RIG	6.625	2	6.625	2.25	5.31	4-1/2" REG	4-1/2"REG					ARO								
	3	Bit Sub		RIG	6.625	1	6.625	2.5	3.17	4-1/2"IF	4-1/2"REG					7-1-0343								
	4	String Magnet		SAM	6.625	2	6.625	2	12.39	4-1/2"IF	4-1/2"IF					SAMAA								
	5	Crossover		RIG	6.5	1	6.5	2.25	2.7	4-1/2"REG	4-1/2"IF					122472-1								
	6	Component Not listed		RIG	9.625	1	9.625	2.25	4.58	4-1/2"REG	4-1/2"REG					A32158-02								
	7	Crossover		RIG	6.5	1	6.5	2.25	2.63	4-1/2"IF	4-1/2"REG					122470-1								
	8	Component Not listed		SAM	9.625	1	9.625	2.125	5.02	4-1/2"IF	4-1/2"IF					WBS-9-50724								
	9	String Magnet		SAM	6.625	2	6.625	2	12.41	4-1/2"IF	4-1/2"IF					SAMAA								
	10	Drillcollar		RIG	6.5	3	6.5	2.375	91.95	4-1/2"IF	4-1/2"IF					RIG								
	11	Crossover		RIG	6.625	1	6.5	3	2.54	VX-54	4-1/2"IF					117575-1-2								
	12	Heavy Weight Drillpipe (HWDP)		RIG	5.5	30	5.5	3.875	921.49	VX-54	VX-54					RIG								
	13	Hydraulic Jar		SJS	6.5	1	6.5	2.75	32.61	VX-54	VX-54					93017J								
	14	Heavy Weight Drillpipe (HWDP)		RIG	5.5	8	5.5	3.875	247.02	VX-54	VX-54					RIG								
	15	Drillpipe		RIG	5.5	1	5.5	4	0	VX-54	VX-54					RIG								
Miscellaneous	BOP Test	BOP Drills	Wind		Sea		Weather		DSLTA		Safety Meeting													
	03/05/2023	TOURLY	ENE 20 KNTS		2-3 FT		SEASONAL 20 DEG C				PRE-TOUR W/ CREW EVERY 12 HRS													
Personnel and Services Information	Real-Time Data Quality			Sensors Quality			100%	Data Frequency		100%	Real-Time Hrs		10.74/24 hrs											
	COMPANY		HCB	GOS	RIG	BAR	GCD	SJS	RO1	ARM	HCM	ARM	BAW											
	CATEGORY		BRCR	CTRG	RIG	DFMS	ISS	JST	MLS	OTHR	PCS	WSC	WLS											
	NO. OF PERSONS		1	14	54	2	2	0	4	1	1	2	6		Total 87									
	OPERATING HRS.		0	0	24	24	0	4	24	12	24	24	0											
	ON LOCATION HRS.		24	24	24	24	24	0	24	24	24	24	24											
Trucks/Boats	Standby/Tankers		RAWABI-44 (RIG)		POSH PUFFIN (TAN)																			
BULK	Drill Wtr.-BBLS 3572	Pot Wtr.- BBLS 1240	Fuel- BBLS 2215		Barite- SX 18727		Bentonite - SX		Cement G- SX 4358															
REPAIR ASAP	Instrumentation		Other												Reporter									
	Computer, Communication & V-Sat Issues																							

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 Daily OffShore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HSBH-68 (WELL WILL BE DRILLED FROM SPUD AS A GAS PRODUCER)</b> Charge (66- 21023- #: 0068) Wellbores: (0) HSBH_68_0	Rig <b>RM-74A</b> Engineer Superintendent	Foreman(s) <b>BOYES, JAMES RICHARD/ SALAKO, OLAOLUWA SAMSON/ MATA LEON, GILBERTO ELIECER/ FARTAS, ZAHIR EL AMAR</b>		
		THURAYA <b>008821677712704</b>	RIG FORMAN VSAT <b>3788365</b>	OTHER VSAT <b>3788367 3788366</b>	CONTRACTOR/CLERK VSAT

Depth	Last 24 hr operations			Next 24 hr plan			Location			Days Since Spud/Comm (Date)		Formation tops			
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %						
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Start	End	Start	End	Summary of Operations		
05.0	0500 - 1000 0	8 3/8	N	MAIN	RR	RWCS	RIG	12175	12175				ARO CONTINUE WITH CHANGE OUT OF BOP WINCHES, REMOVE AND LOWER THE BOW BOP HOIST FROM THE BOW TROLLEY BEAM, L/DN SAME ON CANTILEVER.		
02.0	1000 - 1200 0	8 3/8	N	MAIN	RR	RWCS	RIG	12175	12175				SKID SUB-BASE TO AFT. CLEAR EXCESS BOP HOIST EQUIPMENT FROM CANTILVER DECK, SKID SUB BASE FORWARD TO TOW POSITION.		
06.0	1200 - 1800 0	8 3/8	N	MAIN	RR	RWCS	RIG	12175	12175				ARO WORK ON REMOVING THE AFT BOP WINCH FROM TROLLEY, REMOVE AND LOWER THE BOW BOP HOIST FROM THE BOW TROLLEY BEAM, L/DN SAME ON CANTILEVER.		
05.0	1800 - 2300 0	8 3/8	N	MAIN	RR	RWCS	RIG	12175	12175				SKID SUB-BASE TO AFT. CLEAR EXCESS BOP HOIST EQUIPMENT FROM CANTILVER DECK, SET NEW BOP WINCHES IN POSITION FOR INSTALLING, SKID SUB BASE FORWARD TO TOW POSITION.		
06.0	2300 - 0500 0	8 3/8	N	MAIN	RR	RWCS	RIG	12175	12175				ARO COMMENCE INSTALLATION OF NEW BOP WINCHES. BOP WINCH REMOVAL: 100% NEW BOP WINCH INSTALLATION: 20% LOAD TESTING: 0%		

HSBH-68 WELL WILL BE DRILLED FROM SPUD AS A GAS PRODUCER, WITH 5-7/8" EXPLORATION HOLE SECTION

PLANNED 8-3/8" HOLE CASING POINT @ 13,197' TVD

9-5/8" FAS-DRILL (TOP) SETTING DEPTHS: #1 @ 11,162' #2 @ 11,160' #3 @ 11,156' #4 @ 11,150'

#### 8-3/8" SECTION DOWN HOLE LOSSES:

- DAILY ZERO BBLS OF 117 PCF WBM, ZERO BBLS OF 80 PPB LCM, ZERO BBLS OF 160 PPB LCM, ZERO BBLS OF 261 PPB LCM
- CUMULATIVE 51,793 BBLS OF 115/116/117 PCF WBM & 7,214 BBLS OF 115/116/117 PCF LCM PILLS, 1400 BBLS 115/118PCF CEMENT SLURRY

#### PLATFORM LOCATION

- HSBH-68/71 PLATFORM, LAT 28DEG 09.96 "N, LONG 050DEG, 00.02"E
- RIG HEADING: 330 DEGREES - AIRGAP: 52 FT, WATER DEPTH 139 FT
- DFE: RKB TO PLATFORM MAIN DECK 74.84 FT, RKB TO MSL 119 FT, RKB TO MUDLINE 256 FT

- RM-74A (ARO) RIG NET NO: +966135106322 - USA 1-2815608352 IN CASE ARAMCO VSAT DOWN
- CONDUCT H2S, FIRE FIGHTING & ABANDON RIG DRILLS: 19 FEB 2023
- CONDUCTED WEEKLY THURAYA CHECK #8628293 @ 20:15 HRS. READING 5/5 ON 26 FEB 2023
- REVIEW AND DISCUSS SAUDI ARAMCO SAFETY ALERTS AS RECEIVED

#### PERSONNEL:

- MATERIAL EXPEDITOR MOHAMED BAHURUDEEN ID# 8581994 ONBOARD 2/8/2023.

- WAIT ON WEATHER: TODAY 0 HRS / CUMULATIVE 251.75 HRS
- WAIT ON PRODUCING: TODAY 0 HRS / CUMULATIVE 0 HRS
- WAIT ON MARINE: TODAY 0 HRS / CUMULATIVE 0 HRS
- WAIT ON TOOL HOUSE: TODAY 0 HRS / CUMULATIVE 0 HRS

- LC-50 SAMPLE FOR HSBH-68 - SENT TO TOWN ON LIB-210, MM#2400565992 6 JUNE 2022

CCA-5 (48" X 36") = 0 PSI  
 CCA-4 (36" X 30") = 0 PSI

**CCA-3 (30" X 24") = 0 PSI**  
**CCA-2 (24" X 18-5/8") = 0 PSI**  
**CCA-1 (18-5/8" X 14") = 0 PSI**

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS
MUD DATA	Weight <b>117</b> PCF	Funnel Vis. <b>50</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>31</b>	YP <b>38</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>13 / 15</b>	Gels Sec/Min <b>14 / 17</b>	PH <b>10</b>	CA PPM <b>360</b>	CL PPM <b>5000</b>				
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol.% <b>72</b>	Oil Vol.% <b>0</b>	Solids Vol.% <b>28</b>	Sand Vol.% <b>0</b>	% LGS <b>0.68</b>	MBT <b>5</b>	Mud type <b>NCPOL</b>	Water Well #					
	Weight <b>117</b> PCF	Funnel Vis. <b>50</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>30</b>	YP <b>39</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>14 / 15</b>	Gels Sec/Min <b>14 / 17</b>	PH <b>10</b>	CA PPM <b>360</b>	CL PPM <b>5000</b>				
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol.% <b>72</b>	Oil Vol.% <b>0</b>	Solids Vol.% <b>28</b>	Sand Vol.% <b>0</b>	% LGS <b>0.68</b>	MBT <b>5</b>	Mud type <b>NCPOL</b>	Water Well #					
MUD TREATMENT																
BIT DATA																
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
Miscellaneous	BOP Test <b>02/17/2023</b>		BOP Drills <b>TOURLY</b>		Wind <b>E 22-25 KTS</b>			Sea <b>6-7 FT</b>		Weather <b>SEASONAL</b>		DSLTA		Safety Meeting <b>TOURLY</b>		
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs			11.49/24 hrs	
Personnel and Services Information	COMPANY		HCB	GOS	RIG	BDF	SGR	ARM	HCM	ARM	CAM	Total <b>80</b>				
	CATEGORY		BRCR	CTR G	RIG	DFMS	MLS	OTHR	PCS	WSC	WHES					
	NO. OF PERSONS		<b>1</b>	<b>12</b>	<b>57</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>					
	OPERATING HRS.		<b>0</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>0</b>					
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>					
Trucks/Boats	Standby/Tankers <b>HIGHLAND PRINCESS (RIG)</b>		<b>RAWABI-42 (TJ)</b>													
BULK	Drill Wtr.-BBLS <b>1712</b>	Pot Wtr.- BBLS <b>1331</b>	Fuel- BBLS <b>1990</b>	Barite- SX <b>10548</b>	Bentonite - SX <b>0</b>	Cement G- SX <b>3388</b>									Reporter	
REPAIR ASAP	Instrumentation		Other Computer, Communication & V-Sat Issues													

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<b>D&amp;WO Morning Report (Service Providers View)</b> Copyright 2010 Saudi Aramco. All Rights Reserved Daily Onshore (0500-0500) Saudi Aramco	<b>Date</b> <b>MONDAY</b> <b>02/27/2023</b>	<b>Well No (Type) :</b> <b>UTMN-1991</b> <b>(KILL AND SECURE</b> <b>THE WELL.)</b>  <b>Charge (61- 23057-</b> <b>#:</b> <b>1991)</b>  Wellbores: (0) UTMN_1991_0	<b>Rig</b> <b>RPKU-</b> <b>2</b>	<b>Foreman(s)</b> <u><b>TOUARES, ABDESSATTAR/</b></u> <u><b>HARTHI, SULTAN MOHSIN/</b></u> <u><b>QAHTANI, YAZEED SAEED/</b></u>  <b>Engineer</b> <u><b>HAJRI, ASKAR SAUD</b></u>
				<b>Superintendent</b> <u><b>THURAYA</b></u>  <b>THURAYA</b> <b>RIG FORMAN VSAT</b> <b>008821677711344</b> <b>572-6889</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>8220</b>	<b>R/U X-TREE &amp; PT, SL RETRIEVE PLUGS, ATTEMPT BULLHEAD, PREPARE TO MOBILIZE CTU.</b>	<b>R/U CTU, FLOW BACK WELL, BULLHEAD W/ INHIBITED BRINE.</b>	<b>200 KM FROM DHAHRAN MAIN GATE</b>	<b>2.1</b> (02/25/2023@0200)	
Prev. Depth <b>8220</b>	Liner Size	TOL	MD	TVD	Last Csg Size MDTVD Footage <b>0</b> Circ % <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
02.5	0500 - 0730	0		N	WH	NU	TREE	RIG	9822	9822			N/U 7" CIW TREE. PT TREE & CONNECTION TO 2500 PSI. HOLD.
03.5	0730 - 1100	0		N	DCOM	OTH	NA	RIG	9822	9822			CLEAN MUD TANKS, MIX 600 BBLS OF 84 PCF BRINE.
01.5	1100 - 1230	0		N	DCOM	DTU	DRFT	NSL	9822	9822			HPJSM, R/UP NESR SL & PT LUBRICATOR TO 2000 PSI - HOLD.
05.5	1230 - 1800	0		N	DCOM	RTRV	PLUGT	NSL	9822	9822			HPJSM, NESR S/L: - RIH & RETRIEVE INTERWELL JUNK CATCHER, POH & L/D SAME. - RIH & RETRIEVE INTERWELL ME PLUG, POH & L/D SAME. - RIH & RETRIEVE INTERWELL PTP, POH & L/D SAME. - FLOW CHECK, STATIC. - R/D SL.
03.5	1800 - 2130	0		N	DCOM	KILL	MPMP	RIG	9822	9822			ATTEMPT TO BULLHEADING DOWN TBG WITH FRESH WATER, GET FORMATION LOCKED AFTER PUMPING 18 BBLS & PRESSURE INCREASED TO 1800 PSI, REPIET SEVERAL TIMES, NO INJECTIVITY. - PLAN TO MOBILIZE CTU AND ATTEMP DISPLACING TO WATER THEN FLOW BACK.
07.5	2130 - 0500	0		N	DCOM	OTH	NA	RIG	9822	9822			PREPARE TO MOBILIZE CTU.

**>> OIL SERV. PUMPING UNIT & CREW.**

>> TOTAL WELLS COMPLETED SINCE (OCTOBER-12-2021)= 95 WELLS.

=====**DIESEL REPORT**=====

>> DIESEL CONSUMPTION FOR ENGINES: ZERO (PROVIDING BY RPKU-2).

#### **===== NEXT LOCATIONS =====**

>> HRDH-440, STRIP OUT : 100%, WELLSITE : 100%, WHIT DONE ON 02/25/2023 ALL VALVES HOLDING.

>> UTMN1990, STRIP OUT : 100%, WELLSITE : 90%, NEED WHIT, WASTE & FLARE PIT.

### Remarks



Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>NYYM-117 (RIGLESS FLOW BACK)</b> Charge #: <b>(71- 22068- 0117)</b> Wellbores: (0- 3) NYYM_117_3	Rig <b>SADRU-1</b>	Foreman(s) <b>BOUCENNA, IBRAHIM/ SINDI, BADR FOUAD/</b> Engineer Superintendent <b>GRATIA, PAOLO ILHAM/ LAHLAH, AZZEDINE</b>
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Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>12480</b>	<b>R/D CTU &amp; WELL TESTING EQPT, RELEASE RIGLESS UNIT.</b>		<b>671 KM FROM DHAHRAN MAIN GATE</b>	<b>37.7</b> (02/23/2023@1600)	<b>SUDR 6606 6606FT MD KHFF 7418 7441FT MD (1FT SHALLOWER) BKBR 7801 7892FT MD (5FT SHALLOWER) KFCR 8048 8240FT MD (7FT SHALLOWER) BKCR 8254 8558FT MD (13FT SHALLOWER) KFDA 8336 8693FT MD (15FT SHALLOWER) BKDC 8557 9123FT (14FT SHALLOWER) BKFC 8648 9372FT (11FT SHALLOWER) PKFU 8662 9421FT (16FT SHALLOWER) UZ01 8714 9703FT MD (8FT DEEPER) UZ02 8748 10197FT MD (3FT DEEPER)</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>12480</b>	<b>7</b>	<b>6726</b>	<b>9540</b>	<b>8689</b>	<b>9 5/8</b>	<b>7448</b>	<b>7448</b>	<b>0</b>	<b>98</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
<b>02.0</b>	<b>0500 - 0700</b>	<b>0-3</b>		<b>E</b>	<b>TEST</b>	<b>RD</b>	<b>CTU</b>	<b>AS1</b>	<b>12480</b>	<b>12480</b>			<b>CONT'D R/D SPRINT INJECTOR HEAD, SURFACE LINES, CT RISER, QUAD BOP, REMOVED CT UNIT &amp; N2 PUMP UNIT. - RD WFT WELL TESTING EQUIPMENT.</b>
<b>02.0</b>	<b>0700 - 0900</b>	<b>0-3</b>		<b>E</b>	<b>TEST</b>	<b>RD</b>	<b>WTSE</b>	<b>WWW</b>	<b>12480</b>	<b>12480</b>			<b>CONT'D RIG DOWN WEATHERFORD WELL TESTING SURFACE EQUIPMENT.</b>
<b>01.0</b>	<b>0900 - 1000</b>	<b>0-3</b>		<b>E</b>	<b>TEST</b>	<b>OTH</b>	<b>NA</b>	<b>WWW</b>	<b>12480</b>	<b>12480</b>			<b>SECURED WELL (CLOSED TREE VALVES) INSTALLED BLIND FLANGES. &gt;&gt; WHP= 1050 PSI, TCA = 0 PSI, CCA = 0 PSI.</b>
<b>00.0</b>	<b>1000 - 1000</b>	<b>0-3</b>		<b>S</b>	<b>OT</b>	<b>RELS</b>	<b>NA</b>	<b>RIG</b>	<b>12480</b>	<b>12480</b>			<b>RELEASE RIG LESS OPERATIONS @ 10:00HRS ON 02/26/2022.</b>

#### ERP:

- 1/2 LFL 110 M, RER 100 PPM @ 0 M, RER 30 PPM @ 0 M.
- GOR UNAIZA A RESERVOIR: 1,200 SCF/STB & H2S: 0.0 %.

#### POB:

- \*\* ARAMCO MATERIAL EXPEDITOR TURKI ALENNAZI (ID #745403) ON LOCATION SINCE 02/14/2023.
- \*\* ARAMCO MATERIAL EXPEDITOR SAEED ALHAJRI (ID #8415522) ON LOCATION SINCE 02/26/2023.

#### WATER DATA

- WATER SOURCE: NYYM-804.
- DAILY WATER RECEIVED: 188 BBL.
- DAILY WATER CONSUMED: 166 BBL.
- TOTAL WATER IN MUD SYSTEM: 263 BBL.

#### WELLSITE EQUIPMENT:

SPRINT: 1.75" CT UNIT, NITROGEN UNIT, 1 X PUMP UNIT, 2 X FRAC TANKS, 10 X TOWER LIGHTS, 1 X FORKLIFT, 1 X CRANE, FIRE FIGHTING PUMP, LAB CABIN.  
 WFD SWT: 1 X COFLEX HOSE, 1 X SSV, 1X SAND FILTER, 1 X CHOKE MANIFOLD, 1 X SEPARATOR, 2 X SURGE TANK 100BBL, HIGH PRESSURE PUMP, IGNITION SYSTEM, LAB CABIN,  
 FAST BELONG TO WFD: 4XH2S & 4X LEL SENSORS, 20 SCBA, 2 MULTI-GAS SENSORS, 20 H2S PORTABLE SENSORS.

#### WINDOW DATA:

- TOW AT 6871'
- BOW AT 6884'
- RATHOLE TO 6891'
- WS SETTING DEPTH 6895'

#### WELL CONTROL DATA

- HOLE VOLUME WITHOUT STRING: 658 BBL
- TBG VOLUME: 65 BBLS.
- TCA ABOVE PKR: 430 BBLS.
- TCA BELOW PKR: 5.5 BBLS.
- CASING BELOW EOT: 68.5 BBLS.
- LOWER COMPLETION: 47 BBLS.

#### ARAMCO VEHICLE SERVICE DETAILS

- ARAMCO CAR WITH NUMBER DH-5064 SERVICED ON 01/25/2023, NEXT SERVICE DUE 03/25/2023.

#### Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS				
<b>MUD DATA</b>													
MUD TREATMENT													
<b>BIT DATA</b>													
DRILL STRING													
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #													
Miscellaneous		BOP Test	BOP Drills	Wind	Normal	Sea	Weather	DSLTA	Safety Meeting				
Real-Time Data Quality						No Transmission							
Personnel and Services Information	COMPANY	AS1	SCP	BR1	ARM	WWW							
	CATEGORY	COIL	ICE	MLS	WSC	WTSE							
	NO. OF PERSONS	18	1	1	2	8			Total 30				
	OPERATING HRS.	5	5	0	5	5							
	ON LOCATION HRS.	5	5	5	5	5							
	Standby/Tankers <b>DH-5064</b>	<b>2 RAW WATER TANKERS</b>											
BULK	Drill Wtr.-BBLS <b>241</b>	Pot Wtr.- BBLS <b>19</b>	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX							
REPAIR ASAP	Instrumentation	Other							Reporter				
Computer, Communication & V-Sat Issues													
<b>NEED TO CHANGE VSAT ANTENNA IMMEDIATELY.</b>													

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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>SDGM-1143 (DRILL TWO LATERALS ACROSS UNZC RESERVOIR.)</b>	Rig <b>SCTD-1</b>	Foreman(s) <b>GHARASH, HAIDAR SAMI/ ALZahrani, AHMAD SALEM/ ALBASRI, MORTADA MOHSEN/ KHAMEES, SHAKER ABDUL MAJEED</b>
Charge #: <b>(71- 23054- 1143)</b>	Wellbores: (0) SDGM_1143_0	THURAYA <b>+8821677711178 577-3573</b>	RIG FORMAN VSAT <b>OTHER VSAT COIL CAB: 013-664-8906 013-664-8901</b>

Depth	Last 24 hr operations							Next 24 hr plan			Location				Days Since Spud/Comm (Date) Formation tops				
Prev. Depth	Liner Size		TOL		MD		TVD		Last Csg Size	MD	TVD	Footage	Circ %						
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations						
06.0	0500 - 1100	0		N	RM	RU	NA	RIG	14804	14804					HOLD PRE JOB SAFETY MEETING PRIOR EACH TASK PERFORMED. ~ PERFORM ESD FUNCTION TEST & ENGINE KILLS AT ALL STATIONS & AIR COMPRESSORS - OK. ~ UBD FUNCTION TEST HIGH PRESSURE PILOT W/ SSV1, SSV2, SSV3 & DOWNSTREAM CHOKES, AND CONDI EXPORT PUMP- OK. ~ UBD FUNCTION TEST EVERGREEN BURNER W/ AIR COMPRESSORS -OK. ~ UBD FUNCTION TEST COLD FLARE IGNITOR -OK. ~ UBD FUNCTION TEST H2S TREATMENT MIXING/ INJECTION PUMPS -OK. ~ FUNCTION TEST CORROSION INHIBITOR PUMP TO 7,000 PSI -OK. ~ INSPECTED, CALIBRATED AND FUNCTION TESTED CHOKES- OK. ~ CTD FUNCTION TEST INJECTOR BRAKE-OK.				
07.5	1100 - 1830	0		N	RM	RU	NA	RIG	14804	14804					PREFORM SAFETY WALK AROUND WITH ALL SERVICES & CLOSE OUT ACTION ITEMS. ~ D&M PREPARE BHA#1 AND BENCH TEST SAME. ~ FINALIZE PRE-ACCEPTANCE DOCUMENTS.				
01.0	1830 - 1930	0		N	RM	RU	NA	RIG	14804	14804					PERFORM H2S & MUSTER DRILL PRIOR RIG ACCEPTANCE.				
00.0	1930 - 1930	0		S	OT	COMM	NA	RIG	14804	14804					ACCEPT RIG FOR OPERATION ON 02/26/2023 AT 19:30 HRS.				
01.5	1930 - 2100	0	3 5/8	N	DRLG	HT	BHA	RIG	14804	14804					PJSM, DEPLOY BHA #1 TURBINE DRILLING BHA, WHP @ 0 PSI. ~ D&M TEST TOOLS IN RISER - OK.				
07.5	2100 - 0430	0	3 5/8	N	DRLG	TI	CTBG	RIG	14804	14804	0		14767		RIH WITH BHA#1 1.25 TURBINE DRLG ASSY APP. ~ OPEN WELL AT SURFACE & SET PR AT 0.5 BPM. ~ PUMP COIL TREATMENTS APP. ~ WEIGHT CHECK EVERY 3,000 FT. ~ TEST TOOLS AT 1,000 FT, 5,000 FT, 10,000 FT (GOOD TEST). ~ PERFORM GR CORRELATION AT 14,500 FT-14,650 FT : + 67 FT. ~ WEIGHT CHECK AT 14,650 FT: 66K / 56K (UP/DN). ~ STAGE PUSMPS TO 1.5 BPM AND PRECAUTIONARY WASH DOWN TO TAG CMT.  * OBSERVED HIGHER CIRC PRESSURE, IPRS, AND DIFF PRESSURE THAN NORMAL.				
00.5	0430 - 0500	0	3 5/8	N	DRLG	DC	TBINE	SDM	14804	14804	14767	14804			TROUBLESHOOT HIGH CIRC AND IPRS PRESSURES, ~ PR @ 84 GPM, CIRC PRESSURE @ 6,000 PSI, IPRS @ 9,605 PSI, DIFF PRESSURE @ 3,300 PSI				

SGA1: 400 M NW, SGA2: 800 M NE

#### COIL STRING #39956

- COIL LENGTH: 19,496 FT, E-LINE LENGTH: 20,150 FT, SLACK: 2.4%, VOL: 69 BBLS
- TTL DRILLED FOOTAGE: 0 FT, DAILY RUN FOOTAGE: 16410 FT, ACCUM RUNNING FOOTAGE: 16410 FT, HIGHEST FATIGUE: 10% @ 955'.

\* RUNS SINCE LAST SLACK MANAGEMENT: 1 RUNS

#### LATERL FOOTAGE:

05:00 GAS RATE: NA MMSCF.

- DAILY FLARED: NA MMSCF, (TTL: NA MMSCF)
- DAILY CONDENSATE PRODUCED: 0 BBLS (TTL: 0 BBL)
- DAILY CONDENSATE BURNED: 0 BBLS (TTL: 0 BBLS)
- H2S @ NA , CO2 @ NA
- TREAT WITH: G SCAV= NA BPH ; CAUSTIC NA BPH,
- EXPORT LINE PRESSURE: NA

- N2 ON LOCATION: 18,000 GALLONS, DAILY N2 USAGE = 0 GALLONS, CUMULATIVE N2 USAGE = 0 GALLONS

VACUUM TANKERS ON LOCATION: DAILY LOADS: 0 LOADS (WELL TTL: 517 LOADS)

- DRSS #1003816947 & 1003816949, 4 EA TANKERS FROM AL-FUWAILEH EST:

+ 9241-ZEA / 869

+ 2312-BTA / 877

+ 4613-ARA / 845

+ 1288-DHA / 23  
 + 9681-JAA / 234  
 + 1693 -HSA / 123  
 + 1905 -NLA / 868  
 + 9323 -ELA / 896

\* NEXT WELLS:

**ANDR-1006:**

- PRE-WORKOVER MEETING HELD ON 01/24/2023, CIVIL WORK: 80 %, STRIP-OUT: NOT REQUIRED.

**ANDR-1018:**

- PRE-WORKOVER MEETING HELD ON 01/24/2023, CIVIL WORK: 0 %, STRIP-OUT: NOT REQUIRED.

**SDGM-1254:**

- PRE-WORKOVER MEETING HELD ON 12/08/2022, CIVIL WORK: 0 %, STRIP-OUT: 0%.

**SDGM-1032:**

- PRE-WORKOVER MEETING HELD ON 12/08/2022, CIVIL WORK: 0 %, STRIP-OUT: 0 %.

**DRILLS:**

- BRAHIM SEDDIKI #177313 ON SCTD-6/SDGM-727 LOCATION.

- FCT, ALI ALNAMER, 790721 ON LOCATION.

- GDWD HSE ADVISOR, AHMAD F ANSARI #8538280 ON LOCATION.

Remarks

**MR. SHAKER KHAMEES DIV. 3 SUPT VISITED RIG.**

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS		
MUD DATA	Weight PCF	Funnel Vis. <b>63 SEC</b>	Filtrate(WL) HTHP	Filtrate (WL) API	PV	YP		Electrical Stability Volts	3/6 RPM /	Gels Sec/Min /	PH	CA PPM	CL PPM			
	FL Temp <b>118</b>	Cake HTHP	Cake API	Water Vol. % <b>100</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>0</b>		Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT	Mud type <b>WATER</b>	Water Well # <b>SDGM-3502</b>				
	Weight PCF	Funnel Vis. <b>63 SEC</b>	Filtrate(WL) HTHP	Filtrate (WL) API	PV	YP		Electrical Stability Volts	3/6 RPM /	Gels Sec/Min /	PH	CA PPM	CL PPM			
	FL Temp <b>118</b>	Cake HTHP	Cake API	Water Vol. % <b>100</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>0</b>		Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT	Mud type <b>WATER</b>	Water Well # <b>SDGM-3502</b>				
MUD TREATMENT	CAUST	O-3670R	C-RN477													
	1(50LBP)	1(55GL)	1(55GL)													
BIT DATA																
DRILL STRING	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit			HTC	<b>3.625</b>	<b>1</b>			<b>0.72</b>						<b>7916216</b>
	2	Turbine			NEY	<b>2.875</b>	<b>1</b>	<b>2.875</b>		<b>24.2</b>						<b>24013A52892</b>
	3	Drilling Cycle Disconnector			SDM	<b>3.125</b>	<b>1</b>			<b>3.95</b>						<b>33</b>
	4	Float Sub			SDM	<b>3.125</b>	<b>1</b>			<b>1.3</b>						<b>16</b>
	5	Measurement While Drilling (MWD)			SDM	<b>3.125</b>	<b>1</b>			<b>17.92</b>						<b>17</b>
	6	Orienter			SDM	<b>3.125</b>	<b>1</b>			<b>16.5</b>						<b>18</b>
	7	Dual Ball Valve Sub			SDM	<b>3.125</b>	<b>1</b>			<b>4</b>						<b>03</b>
	8	Drilling Head			SCT	<b>3.125</b>	<b>1</b>			<b>7.73</b>						<b>27</b>
	9	HUK (Head-up Kit)			SDM	<b>3.125</b>	<b>1</b>			<b>2</b>						<b>10</b>
	10	Coil Tubing			SCT	<b>2.375</b>				<b>19496</b>						<b>39956</b>
Miscellaneous	BOP Test <b>02/26/2023</b>	BOP Drills		Wind <b>SEASONAL</b>		Sea <b>NA</b>	Weather <b>SEASONAL</b>		DSLTA <b>4885</b>	Safety Meeting <b>2X PRE-TOUR + PJSMS</b>						
															Real-Time Data Quality	
Personnel and Services Information	COMPANY		TGC	SCT	SDM	RUE	STO	RIG	ARM	STO	OTH	ARM	HMS	Total <b>100</b>		
	CATEGORY		CTRG	COIL	DPDS	H2S	IOS	OTHR	OTHR	UBD	VAC	WSC	MLS			
	NO. OF PERSONS		<b>25</b>	<b>19</b>	<b>7</b>	<b>6</b>	<b>2</b>	<b>11</b>	<b>2</b>	<b>16</b>	<b>8</b>	<b>2</b>	<b>2</b>			
	OPERATING HRS.		<b>0</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>12</b>	<b>9</b>	<b>10</b>	<b>24</b>	<b>0</b>			
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>12</b>			
Trucks/Boats	Standby/Tankers															
BULK	Drill Wtr.-BBLS <b>2000</b>	Pot Wtr.- BBLS <b>358</b>	Fuel- BBLS <b>647</b>													
REPAIR ASAP	Instrumentation	Other													Reporter	
	Computer, Communication & V-Sat Issues															

D&WO Morning Report (Service Providers View) Copyright 2010 Saudi Aramco. All Rights Reserved Daily Onshore (0500-0500) Saudi Aramco								Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>UTMN-1938 (DRILL 3 LATERALS IN KHUFF-B RESERVOIR)</b> Charge #: <b>(71- 23057- 1938)</b> Wellbores: (0-2) UTMN_1938_2	Rig <b>SCTD-2</b>	Foreman(s) <b>TURAIFI, MOHAMMED AHMED/ GUMSANI, ABDULLAH MUSTAFA/ MUHAISH, FAISAL FAHD/ ALBASRI, MORTADA MOHSEN/ KHAMEES, SHAKER ABDUL MAJEED</b>	Engineer Superintendent	<b>RIG FORMAN VSAT +8821677712366</b>	<b>RIG FORMAN VSAT 576-3027</b>	CONTRACTOR/CLERK VSAT <b>5773569</b>
Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops										

12662	HYDRO PRESSURE TEST FOR ALL SURFACE EQUIP	HYDRO PRESSURE TEST FOR ALL SURFACE EQUIP/ N2 PRESSURE TEST	161 KM FROM DHAHRAN MAIN GATE	0.0 (@)										
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %					
12662	4 1/2	11056	12659	12092	9 5/8	10387	10387	0	100					

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations				
									Start	End	Start	End					
05.0	0500 - 1000	0-2		N	RM	RU	NA	RIG	12662	12662			<b>HPJSM, PERFORM REVERSE SLACK MANAGEMENT</b>				
													<ul style="list-style-type: none"> <li>- PR @ 3.3 BPM, CIRC PRESSURE @ 4500 PSI, TOTAL VOLUME = 170 BBL (2.5 X CT CAPACITY) - NO E-LINEM MOVEMENT</li> <li>- PR @ 3.5 BPM, CIRC PRESSURE @ 5000 PSI, TOTAL VOLUME = 170 BBL (2.5 X CT CAPACITY) - E-LINE MOVED</li> <li>- CUT 120 FT OF COIL AND 125 FT OF E-LINE, NEW SLACK@ 2.4 % AND MINI UTT= 0.204"</li> <li>- GREASE WELLHEAD VALVES AND LM AS PER ARAMCO GWS</li> <li>- MAKE UP PERMANENT COIL CONNECTOR AND PULL TEST TO 40 KLB WHILE FILL UP UBD VESSELS WITH WATER</li> <li>- MEANWHILE, CONT CYCLE VALVES FOR HYDRO PRESSURE TEST</li> <li>- OFFLINE: SLB D&amp;M MAKE UP HUK</li> </ul>				
19.0	1000 - 0500	0-2		N	RM	RU	NA	RIG	12662	12662			<b>HYDRO PRESSURE TEST SURFACE EQUIP, FIX LEAKS AS REQUIRED.</b>				
													<ul style="list-style-type: none"> <li>- PRESSURE TEST 10K EQUIP/BOPE: 300/9500 PSI</li> <li>- PRESSURE TEST ANNULAR BOP &amp; LUBRICATOR: 300/7000 PSI</li> <li>- OFFLINE: PRESSURE TEST SLB UBD EQUIP APP</li> <li>- PRESSURE TEST COLD VENT LINE: 300/1200 PSI</li> <li>- PRESSURE TEST TCA LINE: 300/5000 PSI</li> <li>- SLB UBD RIG UP PRODUCTION LINE &amp; RELATED VALVES</li> <li>- PERFORM ACCUMULATOR DRILL - GOOD</li> <li>- PERFORM MASS FLOW METER CALIBRATION AT LS &amp; HS AT 1.5 BPM, 2 BPM, 2.5 BPM AND 3 BPM</li> <li>- PRESSURE TEST STRIPPERS: 300/7000 PSI</li> </ul>				

SGA #1: 1.7 KM NE FROM LOCATION. ON SKID ROAD

SGA #2: 1.7 KM NW FROM LOCATION ON SKID ROAD

ELEVATIONS: ODF NA-18: 38 FT, SCTD-2 DF XX FT , CORRECTION: +XX FT

#### REEL INFO:

- NEW REEL# 40100: COIL LENGTH = 18,825 FT, E-LINE LENGTH = 19,275 FT, COIL VOLUME = 68 BBL, SLACK= 2.4%, MAX COIL LIFE = 12.7% @ 11,887 FT
- TOTAL CUM RUNNING FOOTAGE: 72,661 FT; CUM DRILLED FOOTAGE: 5,905 FT
- TRIPS SINCE LAST SLACK MANAGEMENT: 3 RUNS

#### LATERAL INFO:

#### BHA INFO

- N2 ON LOCATION: 8000 GAL, DAILY N2 USED: 0 GAL. TOTAL N2 USED IN WELL: 0 GAL (0 GAL FOR P/T & CALBR.)

#### SITE VISIT

- UTMN-1952: LAST VISIT: 2/26/2023, CIVIL WORK: 50%, STRIP OUT: 0%, PRODUCTION LINE: 0%
- UTMN-3102: LAST VISIT: 2/26/2023, CIVIL WORK: 40%, STRIP OUT: 0%, PRODUCTION LINE: 0%

#### Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS					
<b>MUD DATA</b>														
MUD TREATMENT														
BIT DATA														
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
Miscellaneous	BOP Test	BOP Drills		Wind	Sea	Weather			DSLTA <b>4499</b>	Safety Meeting				
	Real-Time Data Quality								<b>No Transmission</b>					
Personnel and Services Information	COMPANY	OTH	ARM	STO	SCT	STO	RUE	SDM	RIG					
	CATEGORY	CTR G	WSC	IOS	COIL	UBD	H2S	DPDS	OTHR					
	NO. OF PERSONS	20	3	2	23	23	6	4	11					
	OPERATING HRS.	0	24	24	24	24	24	24	24					
	ON LOCATION HRS.	24	24	24	24	24	24	24	24					
Standby/Tankers														
										Total <b>92</b>				

Trucks/Boats							
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX	
REPAIR ASAP	Instrumentation	Other					Reporter

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D&WO Morning Report (Service Providers View)  
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 Daily OffShore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>MRJN-652 (SINGLE LATERAL HORIZONTAL OIL PRODUCER)</b>	Rig <b>SDA</b>	Foreman(s) <b>ANDREEV, ANDREY/ ALJAMAAN, ALI HASAN/ MUDHI, ABDURRAHEEM FAISAL/ BAYAT, AHMED HAIDER/ UMAIRIN, ISA SALEM</b>
Engineer Superintendent	THURAYA <b>008821677711337</b>	RIG FORMAN VSAT <b>3788390</b>	OTHER VSAT <b>378 8392 3788391</b>
Wellbores: (0) MRJN_652_0			

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>11382</b>	<b>WOC. RIH WITH 5" OEDP, TAG TOC, PT PLUG, POOH WITH 5" DP.</b>	<b>POOH WITH 5" DP, LD 5 STANDS OF DP, ND BOP, SKID TO MRJN-656, NU BOP AND PT.</b>	<b>P/F MRJN-650/659</b>	<b>85.4</b> (01/23/2023@0500)	<b>LRTR 8921 10467 FT-MD MNFR 9066 10674 FT-MD HITH 9188 10849 FT-MD ABAR 9436 11204 FT-MD ABBR 9505 11258 FT-MD</b>
Prev. Depth <b>11382</b>	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ % <b>9 5/8 92338057 0 100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
17.2	0500 - 2215	0	8 1/2	E	PA	WOC	SQZ	RIG	11382	11382			<b>WAIT ON CEMENT, MEANWHILE: - COMPLETE REVERSE CIRC, PERFORM DIRECT CIRCULATION &amp; DROP FOAM BALL. OBSERVED PRESSURE INCREASE WHILE CHC. STRING PLUGGED. - ATTEMPT TO REVERSE CIRCULATE, NO SUCCESS. - POOH WITH 2-7/8" CMT STINGER ON 5" DP TO SURFACE. PULL OUT WET, NO CMT CONTAMINATION IN MUD. - OBSERVED CMT SCALE IN LAST 5 STANDS ABOVE 2- 7/8" STINGER. - FLUSH AND CLEAR DP WHILE POOH. - DROP FOAM BALL IN 2-7/8" STINGER AND FLUSH, POOH AND LD 2-7/8" CMT STINGER (NO CMT OBSERVED).</b>
04.2	2215 - 0230	0	8 1/2	E	PA	ST	STDP	RIG	11382	11382	0	8010	<b>RIH WITH 5" OEDP. CIRCULATE WITH ROTATION EVERY 20 STDs TO CLEAR DP.</b>
00.5	0230 - 0300	0	8 1/2	E	PA	CIRC	MPMP	RIG	11382	11382			<b>CIRCULATE HOLE CLEAN.</b>
01.2	0300 - 0415	0	8 1/2	E	PA	OTH	NA	RIG	11382	11382			<b>RIH WITH 5" OEDP. WASH DOWN LAST 2 STANDS, TAG TOC AT 8785 FT.</b>
00.5	0415 - 0445	0	8 1/2	E	PA	PTST	MPMP	RIG	11382	11382			<b>PRESSURE TEST PLUG WITH 500 PSI/10 MINS.</b>
00.2	0445 - 0500	0	8 1/2	E	PA	ST	STDP	RIG	11382	11382	8765	8480	<b>POOH WITH 5" DP.</b>

=====NEAREST GOSP=====

\*\*MRJN GOSP-1, DISTANCE 14.8 KM

=====WELL OBJECTIVES=====

\*\*THE WELL WILL BE DRILLED AS KHFJ RESERVOIR SINGLE LATERAL HORIZONTAL OIL PRODUCER.

A PILOT HOLE WILL BE DRILLED TO ARAB-C RESERVOIR TO EVALUATE AND FURTHER ASSESS ALL POTENTIAL HYDROCARBON ZONES.

=====SAFETY & DRILLS=====

HELD H2S DRILL ON FEBRUARY 18, 2023

ABANDONMENT DRILL ON FEBRUARY 18, 2023

FIRE DRILL ON FEBRUARY 18, 2023

H2S RESCUE DRILL ON FEBRUARY 12, 2023

MANDOWN DRILL ON JANUARY 29, 2023

ACCUMULATOR DRILL ON JANUARY 23, 2023

MANOVERBOARD DRILL ON DECEMBER 16, 2022

LIFE RAFT DRILL ON NOVEMBER 28, 2022

LIFEBOAT DRILL ON DECEMBER 03, 2022

CONFINED SPACE RESCUE JANUARY 29, 2023

ENVIRONMENTAL SPILL DRILL FEBRUARY 7, 2023

TRIP - PIT DRILL DAILY

HSE ALERTS REVIEWED WITH CREWS AS RECEIVED: HSE ALERT 20-23, 21-23, 22-23 AND 23-23

NM # 4382220 SUBMITTED IN SLS ON JANUARY 28, 2023

=====ARAMCO PERSONNEL=====

MAT. EXPEDITOR MOHAMED AL SHEHRI # 8552736 ONBOARD SINCE 14 FEB 2023

=====RENTAL TOOLS & SUSPENSION KIT=====

6-1/2" HYDR-MECH JAR# 675248 FROM OILSERVE RECEIVED JAN 19TH-2022.

SUSPENSION EQUIP ONBOARD:

DSA 13-5/8"X 4-1/16" 3M ----- 7 EACH.

4-1/16" 3M GATE VALVES----- 16 EACH.

DSA, 11" X 4-1/6" 3M-----3 EACH.

=====WAITING TIME=====

WAIT ON WEATHER: TODAY 0 HRS / CUMULATIVE 0 HRS  
 WAIT ON PRODUCING: TODAY 0 HRS / CUMULATIVE 0 HRS  
 WAIT ON MARINE: TODAY 0 HRS / CUMULATIVE 18 HRS.

RIG HEADING = 330 DEG

FINAL POSITION: LAT 28 32.29 N, LONG 49 33.98 E

FINAL LEG PENETRATION: BOW: 7.3 FT; STBD: 7.5 FT; PORT: 6.6 FT.

RIG FLOOR (RF) TO SEA BED = 253 FT

WATER DEPTH (MEAN SEA LEVEL) = 150 FT

ELEVATION RF TO SEA (MSL) = 103 FT

=====12-1/4" BATCH DRILLING SEQUENCE =====

NEXT WELL: MRJN-656 8-1/2" PH

WELL MRJN-654 - SUSPENDED ON 13-3/8" CSG

WELL MRJN-658 - SUSPENDED ON 13-3/8" CSG

WELL MRJN-659 - SUSPENDED ON 13-3/8" CSG

WELL MRJN-657 - SUSPENDED ON 13-3/8" CSG

WELL MRJN-653 - SUSPENDED ON 13-3/8" CSG

WELL MRJN-651 - SUSPENDED ON 13-3/8" CSG

WELL MRJN-656 - SUSPENDED ON 9-5/8" CSG

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS
MUD DATA	Weight 77 PCF	Funnel Vis. 82 SEC	Filtrate(WL) 3.2 HTHP	Filtrate (WL) API	PV 30	YP 24	Electrical Stability 245 Volts	3/6 RPM 12 / 13	Gels Sec/Min 12 / 18	PH	CA PPM	CL PPM <b>145024</b>			
	FL Temp 0	Cake HTHP 0.8	Cake API 0	Water Vol. % 26	Oil Vol. % 61	Solids Vol. % 13	Sand Vol. % 0	% LGS 3.84	MBT	Mud type <b>RELIANT</b>	Water Well #				
	Weight 77 PCF	Funnel Vis. 80 SEC	Filtrate(WL) 3.2 HTHP	Filtrate (WL) API	PV 30	YP 23	Electrical Stability 250 Volts	3/6 RPM 10 / 11	Gels Sec/Min 12 / 17	PH	CA PPM	CL PPM <b>145024</b>			
	FL Temp 0	Cake HTHP 1	Cake API 0	Water Vol. % 26	Oil Vol. % 61	Solids Vol. % 13	Sand Vol. % 0	% LGS 3.84	MBT	Mud type <b>RELIANT</b>	Water Well #				
MUD TREATMENT	CAUST 1(55LB)	BCTRН 1(5GL)													
BIT DATA															
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #	
Miscellaneous	BOP Test 02/12/2023		BOP Drills		Wind 12 - 15 NE KNOTS				Sea 1-2 FT		Weather CLEAR		DSLTA	Safety Meeting <b>TOURLY</b>	
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs		11.49/24 hrs	
Personnel and Services Information	COMPANY		GOS	SDM	RIG	BDF	OJR	RIG	ARN	NCS	RIG	ARM	Total <b>73</b>		
	CATEGORY		CTRГ	DPDS	RIG	DFMS	JST	MED	OTHR	PCS	SCS	WSC			
	NO. OF PERSONS		12	3	48	2	0	1	1	2	1	3			
	OPERATING HRS.		0	0	24	24	0	0	12	24	24	24			
	ON LOCATION HRS.		24	24	24	24	0	24	24	24	24	24			
	Trucks/Boats		Standby/Tankers <b>TOPAZ KHUWAIR</b>												
BULK	Drill Wtr.-BBLS <b>3573</b>	Pot Wtr.- BBLS <b>1783</b>	Fuel- BBLS <b>2435</b>	Barite- SX <b>5868</b>	Bentonite - SX <b>519</b>	Cement G- SX <b>4797</b>									
REPAIR ASAP	Instrumentation		Other Computer, Communication & V-Sat Issues												

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Reporter

Date	Well No (Type) :	Rig	Foreman(s)	MUSHARY, ABDULRAHMAN ABDULLAH/ ELESAWI, ELMAHDI/ MUTAIRI, NAIF MUTLAQ
MONDAY 02/27/2023	KHRS-289 (SINGLE LATERAL OIL PRODUCER TARGETING ARAB-D (ARBD) RESERVOIR) Charge (66- 22051- #: 0289) Wellbores: (0) KHRS_289_0	SIN30L	Engineer	
THURAYA	RIG FORMAN VSAT 008821677711516 5784205	OTHER VSAT 0555129850 SINO RIG 5784295	OTHER VSAT	CONTRACTOR/CLERK VSAT

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date) Formation tops
0	RIG MAINTENANCE & CONTINUE RIG 60% R/U	MAINTENANCE & R/U	241 KM FROM DHAHHRAN MAIN GATE & 30 KM WEST FROM KHURAIS CAMP GATE	0.0 (@)

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
0								0	

Hrs (From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations		
								Start	End	Start	End	
24.0	0500 - 0500	0		M	MAIN	OTH	NA	RIG	0	0		*RIG IS UNDER PLANNED MAINTENANCE AS PER APPROVED BUSINESS PLAN.  *ALLOCATED DAYS ARE: 15 DAYS.  *TYPE OF MAINTENANCE: CAT IV INSPECTION FOR SUB-BASE AND MAST.  *HELD PJSM WITH THE CREW AND DISCUSSED THE OPERATIONAL AND HSE HAZARDS INVOLVED DURING THE RIG MAINTENANCE ACTIVITIES.  PERFORMING RIG MAINTENANCE AND INSPECTION OPERATION, PROGRESS AS FOLLOW:  1.MAINTAIN BOP HOIST CONTROL STATION (100% IN PROGRESS). 2.REPLACE RIG FLOOR SURFACE WITH NEW PLATE (100% IN PROGRESS). 3.CALIBRATION RIG FLOOR LADDER AND HANDRAIL (100% IN PROGRESS). 4.MODIFY FLOW LINE, CASING FILLING SYSTEM ADDED (100% IN PROGRESS). 5.MAINTAIN TOP DRIVE BRAKE DISK ASSEMBLY, REFURBISH & PAINT BODY (100% IN PROGRESS).  6.MAN RIDER, ROTARY TABLE, TDS, MUD PUMPS, TRAVELLING BLOCK CAT III (100% IN PROGRESS). 7.CHANGE TO NEW AIR CONTROL LINE AND OIL CONTROL LINE IN DRILLER CABIN (100% IN PROGRESS). 8.MAINTAIN, SERVE CORROSION AND REFURBISH MUD SYSTEM, ADD 2 NEW MUD TANKS (100% IN PROGRESS). 9.THE CONTAINER OF GENERATOR UNIT INCLUDING CAMP NEED TO BE PAINTED AND REPOST THE SIGN BOARD (100% IN PROGRESS). 10.CHANGE TO NEW LUBRICATION SYSTEM, CHANGE TO NEW INSIDE FILTER OF PULSATION DAMPENER IN MUD PUMP (100% IN PROGRESS). 11.MAINTAIN AUXILIARY BRAKE DISK, CHANGE TO NEW WATER COOLING LINE. CHECK STATIC BRAKE DISK IN DRAW-WORK (100% IN PROGRESS). 12.MAINTAIN CAMPS (95% IN PROGRESS). 13.SUBBASE AND MAST CAT VI INSPECTION (93% IN PROGRESS). 14.MAINTAIN ELECTRIC EQUIPMENT (90% IN PROGRESS). 15.UPGRADE SAFETY EQUIPMENT (80% IN PROGRESS). 16.RIG UP AND TEST (60% IN PROGRESS). 17.PRE-SPUDDING ACCEPTANCE (0% IN PROGRESS).  DAYS SINCE START MAINTENANCE: 18 DAYS  EXCEPTED TO FINISH RIG MAINTENANCE & INSPECTION ON 28-FEB-23

KHRS-289 WELL WILL BE DRILLED AS A SINGLE LATERAL OIL PRODUCER TARGETING ARAB-D (ARBD) RESERVOIR. THE WELL WILL BE DRILLED BY SINO-30L RIG AND COMPLETED AS 8-1/2" OPEN-HOLE WITH BORETS ESP + Y-TOOL AND 9-5/8" PACKER WITH 4 1/2" TUBING.

#### =====WELL DATA=====

34" PLAN/ACTUAL: 75' /  
 28" PLAN/ACTUAL: 200' /  
 22" PLAN/ACTUAL: 1663' / (+/- 100 FT TVD ABOVE SHUB).  
 16" PLAN/ACTUAL: 2154' / (+/- 50 FT TVD INSIDE BUWB).  
 12-1/4" PLAN/ACTUAL: 5903' / (+/- 2 FT TVD INSIDE ARAB-D-1).  
 8 1/2" PLAN/ACTUAL: 9623' /

#### =====PERSONNEL ON BOARD=====

- NO ARAMCO CLERCK ON LOCATION.
- LSTK SLB DSV: ASHRAF.

#### Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS																					
<b>MUD DATA</b>																														
<b>MUD TREATMENT</b>																														
<b>BIT DATA</b>																														
<b>DRILL STRING</b>																														
<b>Miscellaneous</b>																														
<table border="1"> <tr> <td>BOP Test</td> <td>BOP Drills</td> <td>Wind</td> <td>Sea</td> <td>Weather</td> <td>DSLTA</td> <td>Safety Meeting</td> </tr> <tr> <td></td> <td></td> <td>NORMAL</td> <td>N/A</td> <td>SEASONAL</td> <td></td> <td>PRE-JOB MEETING</td> </tr> <tr> <td colspan="4">Real-Time Data Quality</td> <td colspan="3">No Transmission</td> </tr> </table>										BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting			NORMAL	N/A	SEASONAL		PRE-JOB MEETING	Real-Time Data Quality				No Transmission		
BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting																								
		NORMAL	N/A	SEASONAL		PRE-JOB MEETING																								
Real-Time Data Quality				No Transmission																										
<b>COMPANY</b>		TGC	RIG	MJH	TK3	RIG	TK3	ARM																						
<b>CATEGORY</b>		CTR G	RIG	SEC	OTHR	OTHR	WSC	WSC																						

Personnel and Services Information	NO. OF PERSONS	15	66	5	2	25	1	1	Total <b>115</b>
	OPERATING HRS.	0	24	0	24	24	24	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers								
	<b>AB-7224</b>								
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX			
REPAIR ASAP	Instrumentation <b>OK</b>	Other Computer, Communication & V-Sat Issues							Reporter

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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date	Well No (Type) :	Rig	Foreman(s)	KRAMA, ABDELMALEK/
MONDAY 02/27/2023	ABJF-611 (SIDETRACK THE WELL AS DUAL LATERAL PWI ACROSS ABD1)	SINO-1L	Engineer	ALAMRO, YAZEED SULAIMAN/ ALBALAWI, ANAS MAHMOUD/
	Charge (71- 23087-#: 0611)		Superintendent	KHALDI, MOHAMMED SALEH
	Wellbores: (0- 1) ABJF_611_1		THURAYA	RIG FORMAN VSAT
			8821677712698	013-578-4278
			OTHER VSAT	013-502-3966 MEDIC 013-838-9823 HALL DSV
			CONTRACTOR/CLERK VSAT	013 5023966 RIG MGR

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
6350	MU & RIH W/ 6-1/8" RSS DRLG ASSY, RELOG, CONT DRILL 6-1/8" LATERAL SECTION.	SPS DRILL 6-1/8" LATERAL SECTION TO +/- 10,103 FT MD.	320 KM FROM DHAHREN MAIN GATE.	10.5 (02/16/2023@1600)	A BAR 4603 0.6 FT SHALLOWER AR BB 4628 5.6 FT DEEPER AB BR 4720 4 FT DEEPER AR BC 4741 6.6 FT DEEPER AB CR 4902 6.1 FT DEEPER AR BD 5017 1.3 FT SHALLOWER PA DS 5126 6.6 FT SHALLOWER BP DS 5129 9.1 FT SHALLOWER

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
6144	7	759	6208		9 5/8	3172		206	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Start	End	Start	End	Summary of Operations			
03.0	0500 - 0800	0-1	6 1/8	N	DRLG	LDP	BHA	RIG	6144	6144	157	0			CONT POOH & L/D SPS ICRAVE RSS/LWD DRLG ASSY. - MONITOR WELL ON TRIP TANK, WELL STATIC.			
03.0	0800 - 1100	0-1	6 1/8	N	DRLG	HT	BHA	SPS	6144	6144					HPJSM, PU & MU 6-1/8" LATERAL SECTION ICRAVE RSS/LWD DRLG ASSY. FUNCTION TEST ALL TOOLS TOGETHER, OK. - SHALLOW TEST M/LWD WITH 220 GPM & 1450 PSI. - MONITOR WELL THROUGH TRIP TANK, WELL STATIC.			
00.5	1100 - 1130	0-1	6 1/8	N	DRLG	HT	BHA	SPS	6144	6144					HPJSM, LOAD RADIOACTIVE SOURCE.			
00.5	1130 - 1200	0-1	6 1/8	N	DRLG	HT	BHA	SPS	6144	6144					CONT RIH W/ 6-1/8" LATERAL SECTION ICRAVE/LWD/MWD BHA WHILE PU 4" HWDP & 4-3/4" DRILLING JAR TO 294 FT. - MONITOR WELL THROUGH TRIP TANK, WELL STATIC.			
02.5	1200 - 1430	0-1	6 1/8	N	DRLG	TI	STHDP	RIG	6144	6144	294	3835			CONT RIH W/ 6-1/8" LATERAL SECTION ICRAVE/LWD/MWD BHA ON 4" DP FROM 294 FT TO 3,835 FT. - FILL UP STRING W/ 96 PCF WBM. - MONITOR WELL THROUGH TRIP TANK, WELL STATIC.			
01.0	1430 - 1530	0-1	6 1/8	N	DRLG	SURV	MWD	SPS	6144	6144					HPJSM, MIDWAY TEST MWD/LWD TOOLS WITH 96 PCF WBM, 230 GPM & 1500 PSI.			
02.0	1530 - 1730	0-1	6 1/8	N	DRLG	TI	STHDP	RIG	6144	6144	3835	6044			CONT RIH W/ 6-1/8" LATERAL SECTION ICRAVE/LWD/MWD BHA ON 4" DP FROM 3,835 FT TO 6,044 FT. - FILL UP STRING W/ 96 PCF WBM. - MONITOR WELL THROUGH TRIP TANK, WELL STATIC.			
01.5	1730 - 1900	0-1	6 1/8	N	DRLG	LOG	LWD	SPS	6144	6144	6044	6144			SPS RELOG AS PER GOC REQUEST FROM 6,044 FT TO BTM AT 6,144 FT.			
05.0	1900 - 0000	0-1	6 1/8	N	DRLG	D	RSS	SPS	6144	6261					SPS DIRC DRILL 6-1/8" LATERAL SECTION FROM 6,144 FT TO 6,261 FT WITH 96 PCF WBM. 100 % CIRC. > WASH UP & REAM DOWN ONE SINGLE EVERY CONNECTION. > SWEEP HOLE WITH 10 BBL LV & 20 BBL HW TANDEM PILL TWICE EACH STD.			
00.5	0000 - 0030	0-1	6 1/8	N	DRLG	CIRC	MPMP	RIG	6261	6261					CIRCULATE BTM'S UP WITH 96 PCF WBM.			
02.0	0030 - 0230	0-1	6 1/8	N	DRLG	CIRC	MPMP	RIG	6261	6261					POOH TO 6,202 FT, PERFORM STICKY TEST FOR 15 MIN - NO O/P. - RECORDED PRESSURE POINT WITH GEO-TAP TOOL AT 6,084 FT (SUPERCHARGE POINT). - P/U STRING FREE, NO O/P.			
02.0	0230 - 0430	0-1	6 1/8	N	DRLG	D	RSS	SPS	6261	6350					SPS DIRC DRILL 6-1/8" LATERAL SECTION FROM 6,261 FT TO 6,350 FT WITH 96 PCF WBM. 100 % CIRC. > WASH UP & REAM DOWN ONE SINGLE EVERY CONNECTION. > SWEEP HOLE WITH 10 BBL LV & 20 BBL HW TANDEM PILL TWICE EACH STD.			
00.5	0430 - 0500	0-1	6 1/8	N	DRLG	RR	TDS	RIG	6350	6350					SERVICED TDS & CHECKED FOR DROPPED OBJECTS.			

ODF CORRECTION: -11.4 FT.

=====

- TOW AT 4,300 FT.

- BOW AT 4,309 FT.

=====DIRECTIONAL DATA=====

> BIT TO SENSOR DISTANCE: GR: 39.74', DIRECTIONAL: 53.52', RESISTIVITY: 75.22', DENISTY: 90.15', POROSITY: 104.68', FM PWD: 117.5', PWD: 118'

=====PERSONNEL ON BOARD=====

\* HALL. REP:

- LSTK DSV: EHAB (DAY)/ M.AL DEREYA (NIGHT) & HSE: A.SELMY.

=====NEXT LOCATION=====

\* MZLJ-632: KOM HELD ON 01/10/2023. STRIP-OUT 100% & LOCATION READINESS 80%.

=====DIESEL CONSUMPTION=====

- DAILY DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP) 31 BBLS, CUM.CONSUMPTION =494 BBLS.

- RIG & CAMP DIESEL PROVIDED BY HALLIBURTON.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD		N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)		PV API	24	25	Electrical Stability		3/6 RPM	Gels Sec/Min	PH	CA PPM
	96 PCF	58 SEC	12 HTHP	API					0 Volts		7 / 9	8 / 14	9.3	999
	FL Temp	Cake HTHP	Cake API	Water Vol. %		Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS		MBT	Mud type	CL PPM	195000
	110	1	1	74		2	24	0	WBM-CAC			Water Well #		
MUD TREATMENT	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)		PV API	24	28	Electrical Stability		3/6 RPM	Gels Sec/Min	PH	CA PPM
	96 PCF	67 SEC	12 HTHP	API				0 Volts	8 / 10		9 / 16	9.3	999	CL PPM
BIT DATA	FL Temp	Cake HTHP	Cake API	Water Vol. %		Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS		MBT	Mud type	Water Well #	
	110	1	1	74		2	24	0	WBM-CAC		11	0	ABJF-817	
MCROMX		MCROMX		MRBL-M		CACL2-80 DEXT								
15(2200L)		7(2200L)		3(2200L)		44(50LB)								
Bit Number		IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out			
2RR		M323	6.125	SEC	13261222R	GTI64H	/ 3 X 14 /	0.451	6144	6233				

	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
	9	130									3180	250	178	489.59		53
	Float	Y														
	BHA Hrs:	7														
	String Wt.	Pick Up	Slack Off		Rot. Torque				Jars:		/		Shock		/	Mud
	150	162	124		6000				Serial #/Hrs		/		Sub:		/	Motor:
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
	1	Bit	SEC	6.125	0	6.125	2	0.71	P 3-1/2" REG					13261222R		
	2	RSS	SPS	4.75	0	4.75	3.636	34.95	B 3-1/2" IF	B 3-1/2" REG				13670840		
	3	Measurement While Drilling (MWD)	SPS	4.75	0	4.75	2.2	9.14	B 3-1/2" IF	P 3-1/2" IF				90715318		
	4	Stabilizer	SPS	4.75	0	4.75	2.625	4.99	B 3-1/2" IF	P 3-1/2" IF				90716338		
	5	Measurement While Drilling (MWD)	SPS	4.75	0	4.75	2.61	8.93	B 3-1/2" IF	P 3-1/2" IF				90714419		
	6	Logging While Drilling (LWD)	SPS	4.75	0	4.75	1.25	27.03	B 3-1/2" IF	P 3-1/2" IF				90716120		
	7	Logging While Drilling (LWD)	SPS	4.75	0	4.75	1.25	14.17	B 3-1/2" IF	P 3-1/2" IF				90717923		
	8	Logging While Drilling (LWD)	SPS	4.75	0	4.75	1.25	10.89	B 3-1/2" IF	P 3-1/2" IF				90716823		
	9	PWD (Pressure while Drilling)	SPS	4.75	0	4.75	1.25	23.52	B 3-1/2" IF	P 3-1/2" IF				90710542		
	10	Pulse Sub	SPS	4.75	0	4.75	2.81	11.07	B 3-1/2" IF	P 3-1/2" IF				13473571		
	11	Screen sub	SPS	4.75	0	4.75	2.25	6.84	B 3-1/2" IF	P 3-1/2" IF				12845010		
	12	Float Sub	SPS	4.75	0	4.75	2	3.2	B 3-1/2" IF	P 3-1/2" IF				13818198		
	13	Crossover	RIG	4.75	0	4.75	2.5	1.8	B 4" XT39	P 3-1/2" IF				1812405		
	14	Heavy Weight Drillpipe (HWDP)	RIG	4	3	4	3	91.04	B 4" XT39	P 4" XT39				ONFILE		
	15	Hydraulic Jar	WJS	4.75	1	4.75	2.25	30.9	B 4" XT39	P 4" XT39				1420-1650		
	16	Heavy Weight Drillpipe (HWDP)	RIG	4	2	4	3	60.9	B 4" XT39	P 4" XT39				ONFILE		
	17	Drillpipe	ARM	4	159	4	3.34	5021.35	B 4" XT39	P 4" XT39				ONFILE		
	18	Heavy Weight Drillpipe (HWDP)	RIG	4	45	4	3	1368.08	B 4" XT39	P 4" XT39				ONFILE		
	19	Drillpipe	ARM	5	1	5	4.276	31	B 4" XT39	P 4"-1/2 IF				ONFILE		
Miscellaneous	BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting									
	02/17/2023	2/17/2022	N 16-20 KM/H	N/A	SEASONAL	4747	DRILLING LATERAL SECTION									
	Real-Time Data Quality		Sensors Quality		97%	Data Frequency		100%	Real-Time Hrs		10.99/24 hrs					
Personnel and Services Information	COMPANY	SCC	SPS	RIG	BAR	TK1	ARM									
	CATEGORY	CTRG	DPDS	RIG	DFMS	WSC	WSC									Total 82
	NO. OF PERSONS	14	4	60	1	2	1									
	OPERATING HRS.	0	24	24	24	24	24									
	ON LOCATION HRS.	24	24	24	24	24	24									
Trucks/Boats	Standby/Tankers	SINO AMBULANCE														
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX										
REPAIR ASAP	Instrumentation	Other	Computer, Communication & V-Sat Issues												Reporter	

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Date	MONDAY 02/27/2023	Well No (Type) :	UTMN-1043 (ST AS SINGLE LATERAL OIL PRODUCER AD2A .)	Rig	Foreman(s) Engineer Superintendent	BENLAHRECHE, ILYES/ ALI, AMIN TAHIA AMIN/ ALABDULQADER, AHMAD FOUD/ ALBLWEI, AHMED JMIAL
			Charge (71- 23057-#: 1043)	THURAYA +8821677712548	RIG FORMAN VSAT 013-5779658	OTHER VSAT 013-5779659 CONTRACTOR/CLERK VSAT HALL 013-8387886 CONTRACTOR/CLERK VSAT HALL 0504637044

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops	
5973	SET W STOCK , MILL WINDOW, DRILL 6- POH W/ 6-1/8" MILLING BHA , JET 1/8" RAT HOLE, CHC, INCREASE MWT IN STAGES TO 89 PCF, F/C WELL STATIC.	13.76 KM N OF UTMN GOSP-4.	6.0 (02/21/2023@0500)			
Prev. Depth 6265	Liner Size	TOL MD TVD	Last Csg Size 7	MD 67989798	Footage -292	Circ % 100

Hrs (From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations					
								Start	End	Start	End						
01.0 0500 - 0600 0			N	TINL	CIRC	MPMP	RIG	9889	9889			BREACK CIRC. 2 X STRING CAPACITY W/ 3 BPM @ 250 PSI.					
02.5 0600 - 0830 0			N	TINL	SURV	SS	GCD	9889	9889			HPJSIM, R/U GYRO SHEAVES AND M/U GYRO TOOLS; RIH LAND SAME IN UBHO, ORIENT WHIPSTOCK TO 87 DEG AZIMUTH; CHECK WITH 3 GYRO READINGS POOH WITH GYRO; R/D GYRO TOOLS & SHEAVES.					
02.0 0830 - 1030 0			N	TINL	SURV	MS	GCD	9889	9889			W/L POH W/ GYRO ASSY WHILE RECORDING MULTISHOT GYRO SURVEYS EVERY 100 FT TO SURFACE, L/D GYRO ASSY. R/D W/L GYRO SHEAVES					
00.5 1030 - 1100 0			N	TINL	SET	WPSTK	WWD	9889	9889	5971	5955	SET 7" WFD WHIPSTOCK BY MAINTAINING 360GPM FOR 5 MINS; CONFIRM WHIPSTOCK SET & HOLD WT WITH 15KLB SLACK DOWN, SHEAR BOLT WITH 43KLB S/D WT, APPLY 10 KLB'S EXTRA S/D WT TO CONFIRM SLIPS SETTING, P/U 5' FREE, RECORD PARAMETERS. - TOW @ 5955'. - BOW @ 5964'. - BOTTOM OF WHIPSTOCK @ 5971'.					
01.0 1100 - 1200 0			N	TINL	CIRC	MPMP	RIG	9889	9889			DISPLACE HOLE TO 76 PCF POLYMER MUD, CONDITION MWT IN/OUT, FLOW CHECK WELL STATIC					
03.0 1200 - 1500 0			N	TINL	MILL	MILL	WI1	9889	9889	5955	5964	CUT 7" CSG WINDOW W/ 6 1/8" WFD MILLING ASSY F/ 5,955 FT (TOW) T/ 5,964 FT (BOW) W/ 76 PCF POLYMER MUD & 100% RETURNS. - MILLING PARAMETER : 5-18 KLB WOM, 60-90 RPM @ 2,000-4,000 FT-LB TQ, 260 GPM @ 950 PSI SPP. - SWEEP HOLE WITH 10 -15 BBL'S HVP EVERY 1 FT MILLED. - PERIODICALLY CLEAN DITCH MAGNETS EVERY 1/2 HOUR. ** TOW @ 5,955 FT-MD ODF. ** BOW @ 5,964 FT-MD ODF.					
00.0 1500 - 1500 0-2	6 1/8	S	OT	TINL	NA	RIG	5964	5964			TIE-IN NEW LATERAL 0-2 @ 5964FT.						
03.0 1500 - 1800 0-2	6 1/8	N	DRLG	D	TDS	RIG	5964	5973			DRILL RAT HOLE FROM 5,964FT (BOW) TO 5973FT (KOP) W/ 76 PCF POLYMER MUD, 100% CIRC. PARAMETERS: WOB: 18/30 KLB , RPM: 90, TQ: 2.4-4 KLB FT, GPM 260, PRESS: 950 PSI.						
00.5 1800 - 1830 0-2	6 1/8	N	TINL	CIRC	MPMP	RIG	5973	5973			REAM & SMOOTH THE WINDOW, CHECK WINDOW WITH AND WITHOUT ROTATION & CIRCULATION,WINDOW IN GOOD CONDITION.						
02.0 1830 - 2030 0-2		N	TINL	CIRC	MPMP	RIG	5973	5973			SWEEP HOLE WITH 30 BBL HVP FOLLOWED BY 30 BBL HVP-BAROLIFT PILL, CHC TILL SHAKERS CLEAN W/ 260 GPM @ 950 PSI. ** TOTALLY COLLECTED 35 KG OF PURE METAL JUNK.						
08.0 2030 - 0430 0-2		N	TINL	CIRC	MPMP	RIG	5973	5973			FLOW CHECK, HITH FORMATION GOT SLIGHT FLOW, CLOSE BOP CHECK PRESSURE; ZERO PSI, INCREASED MWT TO 79PCF MUD, FLOW CHECK GOT VERY SLIGHT FLOW. CLOSE BOP CHECK PRESSURE; ZERO PSI. INCREASE MWT TO 83PCF MUD, EXTENDED FLOW CHECK GOT VERY SLIGHT FLOW, INCREASE MWT TO 89PCF MUD, FLOW CHECK WELL STATIC.						
00.5 0430 - 0500 0-2		N	TINL	CIRC	MPMP	RIG	5973	5973			EXTENDED FLOW CHECK BEFORE POOH, WELL STATIC.						

ODF CORRECTION= -9.1 FT.

-----PERSONNEL ON BOARD-----

> ARAMCO HSE SANDEEP DAULE #8383055 ON LOCATION  
 > HALLIBURTON : DAY DSV HOSSAM, NIGHT DSV AHMED, HSE (ARUN).

=====FUEL CONSUMPTION=====

> DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) = (DAILY: 27 BBL / CUMULATIVE FOR CURRENT WELL: 237 BBL).

=====NEXT LOCATION READINESS=====

> UTMN-1304 (GOSP-13): KOM HELD ON 2/06/2023, STRIP-OUT 100% & LOCATION 00 %

> UTMN-1762 (GOSP-4): KOM NOT HELD.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD		N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS
	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP				Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM		
MUD DATA	76 PCF	45 SEC	12.8 HTHP	API	14	19				Volts	5 / 7	6 / 8	9.7	400	40000		
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %				Sand Vol. %	% LGS	MBT	Mud type	Water Well #			
	110	1	1	86	0	14				0	11.9	0	WBM-NAC	UTMN-3508, UTMN-3526			

	Weight <b>85</b> PCF	Funnel Vis. <b>54</b> SEC	Filtrate(WL) <b>12.8</b> HTHP	Filtrate (WL) API	PV <b>23</b>	YP <b>25</b>	Electrical Stability Volts	3/6 RPM <b>6 / 8</b>	Gels Sec/Min <b>7 / 9</b>	PH <b>9.8</b>	CA PPM <b>400</b>	CL PPM <b>40000</b>
	FL Temp <b>110</b>	Cake HTHP <b>1</b>	Cake API <b>1</b>	Water Vol. % <b>77</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>23</b>	Sand Vol. % <b>0</b>	% LGS <b>21.1</b>	MBT <b>0</b>	Mud type <b>WBM-NAC</b>	Water Well # <b>UTMN-3508, UTMN-3526</b>	
MUD TREATMENT	<b>BRZN</b>	<b>CAOH2</b>	<b>MARBLE-FINE DEXT</b>	<b>NACL</b>								
BIT DATA	<b>15(50LB)</b>	<b>4(50LB)</b>	<b>73(2200L)</b>	<b>40(50LB)</b>	<b>12(2200L)</b>							
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade
Miscellaneous	BOP Test <b>02/19/2023</b>	BOP Drills	Wind	<b>SEASONAL</b>		Sea <b>N/A</b>	Weather <b>COLD</b>		DSLTA		Safety Meeting <b>TOURLY</b>	
	Real-Time Data Quality	Sensors Quality	99%	Data Frequency	100%	Real-Time Hrs	10.74/24 hrs					
Personnel and Services Information	COMPANY	SCC	WWD	RIG	TK1	ARM						
	CATEGORY	CTRG	WPSTK	RIG	WSC	WSC						Total <b>70</b>
	NO. OF PERSONS	<b>12</b>	<b>1</b>	<b>54</b>	<b>2</b>	<b>1</b>						
	OPERATING HRS.	<b>0</b>	<b>20</b>	<b>24</b>	<b>24</b>	<b>12</b>						
	ON LOCATION HRS.	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>						
Trucks/Boats	Standby/Tankers <b>PICK-UP DH-8935</b>	AMBULANCE	BUS									
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX <b>400</b>						
REPAIR ASAP	Instrumentation	Other										Reporter
	Computer, Communication & V-Sat Issues											

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Date <b>MONDAY 02/27/2023</b>	Well No (Type): <b>FDHL-114</b> <b>(1)KILL &amp; DE-COMPLETE THE WELL.</b> <b>2)PLUG AND ABANDON EXISTING WELLBORE. 3)CHECK CASING INTEGRITY AND)</b> Charge #: <b>(71- 22018- 0114)</b> Wellbores: (0) FDHL_114_0	Rig <b>SINO-7N</b>	Foreman(s) <b>RAMADAN, SABER ABDELKHALEK HAMMAD/</b>
		Engineer Superintendent <b>MOQATI, FAHAD GHAZI/ ABBAS, MUHAMMAD NASSER</b>	
	THURAYA <b>+88 21677712815</b>	RIG FORMAN VSAT <b>013 378-7482</b>	CONTRACTOR/CLERK VSAT <b>013 378-7482</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>10750</b>	<b>COMMENCE OPERATION, KILL WELL, S/L DPU PUNCH TBG, BULLHEDA TCA.</b>	<b>CONT BULLHEADIN TCA &amp; TBG, S/L SET BARRIERS, PRIMARY W.H WORK, N/D X-TREE, N/U &amp; P/T BOPE, S/L RETRIEVE PLUGS, STING-OUT SEAL ASSY, POH W/ OLD UPPER COMPELTION.</b>	<b>FDHL-114 CORD = N-2987500.08 E-315799.89 (121 KM FROM DHN MAIN GATE)</b>	<b>1.0</b> (02/26/2023@0500)	
Prev. Depth <b>10750</b>	Liner Size <b>7</b>	TOL <b>6128</b>	MD <b>10379</b>	TVD <b>10379</b>	Last Csg Size <b>9 5/8</b> MD <b>6633</b> TVD <b>6633</b> Footage <b>0</b> Circ % <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
00.0	0500 - 0500	0		S	OT	COMM	NA	RIG	10750	10750			COMMENCED OPERATIONS ON FDHL-114 @ 05:00 HRS ON FEB 26, 2023.			
01.0	0500 - 0600	0		N	DCOM	OTH	NA	RIG	10750	10750			CONT MIXING 2000 BBLS 64 PCF NACL VIS BRINE, 200 BBLS HI-VIS & 300 BBLS 64 PCF NACL NON-VISCOUS BRINE.			
02.0	0600 - 0800	0		N	DCOM	OTH	NA	RIG	10750	10750			HPJSM, R/U SURFACE LINES TO X-TREE & CHOKE MANIFOLD, P/T SAME TO 2500 PSI AGAINST WING VALVE, OK. CHECKED WELL HEAD VALVES INTEGRITY, OK.			
01.0	0800 - 0900	0		N	WH	SET	BPV	ARM	10750	10750			HPJSM, R/U ARAMCO BPV LUBRICATOR, RETRIEVED 4" BPV, OK. R/D.			
01.0	0900 - 1000	0		N	DCOM	OTH	NA	RIG	10750	10750			HPJSM, OPEN TRSSSV, X-TREE MV & SSV. > RECORD WHP AFTER OPEN TRSSSV : TBG 520 PSI, TCA 0 PSI & CCA 0 PSI, CHECKED CELLAR FOR ANY GAS, NONE. > MARKED WELL HEAD ORIENTATION: WING VALVE TO EAST DIRECTION & OPERATING VALVES TO NORTH, WING VALVE HEIGHT= 7.63 FT, RIG FLOOR TO TBG SPOOL FLANGE= 32.8 FT > TBG SPOOL HAS ONLY ONE GATE VALVE ON TCA AND OTHER SIDE IS BLIND FLANGE, PLAN TO INSTALL 1 EA NEW 2-1/16" X 3M GATE VALVE.			
03.2	1000 - 1315	0		N	DCOM	KILL	MPMP	RIG	10750	10750			HPJSM, BULLHEAD TBG W/ 30 BBLS 64 PCF NACL (NON VIS BRINE), 50 BBLS HVP, FOLLOWED BY 225 BBLS 64 PCF NACL VIS BRINE AS FOLLOWING: * 100 BBLS 64 PCF NACL VIS BRINE W/ MAX SURFACE PUMPING PRESSURE 1485 PSI @ 1 BPM * 45 BBLS 64 PCF NACL VIS BRINE W/ MAX SURFACE PUMPING PRESSURE 1600 PSI @ 1.5 BPM. * 160 BBLS 64 PCF NACL VIS BRINE W/ MAX SURFACE PUMPING PRESSURE 1765 PSI @ 3.1 BPM -STOPPED PUMPING & OBSERVED WELL, PRESSURE DROPPED SLOWLY TO 200 PSI IN 40 MIN, BLEED-OFF REMAINING PRESSURE TO 0 PSI. -CONTINUE OBSERVING WELL FOR 30 MIN, WELL DEAD & STATIC. > MONITOR TCA & CCA PRESSURES, BOTH 0 PSI DURING BULLHEADING TBG.			
02.2	1315 - 1530	0		N	DCOM	PTST	MPMP	RIG	10750	10750			HPJSM, PERFORM THE FOLLOWING: - P/T TCA T/ 1500 PSI, HOL DON CHART FOR 20 MIN-OK. - P/T TBG BONNET WITH HGR SEAL T/ 1500 PSI, HOLD FOR 15 MIN-OK. - P/T 9-5/8" SEALS AND SLIPS T/ 1000 PSI, HOLD-OK. - P/T 9-5/8" X 13-3/8" CCA T/ 500 PSI WITH INHIBITED WATER, PRESSURE DROP TO 400 PSI IN 5 MIN THEN HOLD ON CHART ON 400 PSI FOR 10 MIN-OK.			
10.0	1530 - 0130	0		N	DCOM	DTU	DRFT	NSL	10750	10750			HPJSM, R/U NESR S/L AND LUBRICATOR, P/T T/ 2000 PSI, HOLD FOR 10 MIN-OK. S/L PERFORM THE FOLLOWING: > S/L RIH W/ 3.833" DRIFT, TAG TRSSSV@230', POH. > S/L RIH W/ 3.8" DRIFT, HANG-UP ON X-NIPPLE @ 9653' MD, 3 TIMES ATTEMPT TO PASS BUT NO SUCCESS, CONTACT OFFICE AND DECIDED TO RIH W/ SMALLER DRIFTS AND CHECK. > S/L RIH W/ HALL 3.795" DRIFT, PASSED X-NIPPLE & TAG 4-1/2" X-NIPPLE @10019'(10026' SL DEPTH), POH FLAG MARK @ PLANNED MONO-LOCK & DPU PUNCH DEPTH, CONT POH. > S/L RIH W/ HALL 4-1/2" 12.6# DPU PUNCHER, PUNCH TBG @ 9875' MD (9882' S/L DEPTH), POH. > S/L ESTIMATED FLUID LEVEL @ +/- 50'.			
03.5	0130 - 0500	0		N	DCOM	KILL	MPMP	RIG	10750	10750			HPJSM, WITH TBG CLOSED, BULLHEAD TCA W/ 510 BBLS 64 PCF			

> ODF TO THS= 25.4 FT

> RIG SINO-7N TO THS= 32.8 FT

> CORRECTION =-7.4 FT

-----PERSONNEL-----

- ARAMCO RIG CLERK: CHRISTOPHER BUENAVENTURA # 8088593 ON LOCATION SINCE 09/19/2022.

- SALEM BIN MASHNI #283813 ASSIGNMENT RIG FOREMAN ON LOCATION 02/13/2023.

- ARAMCO FCT ABDULAZIZ ABDULLAH ELMOGBIL ID#796645 ON LOCATION SINCE 02/20/2023.

- ME: KHALID AL-GHAMDI ID# 8549841 ON LOCATION SINCE 2/17/2023.

- ACES 7 PERSONS STAY ON RIG SINCE 1/23/2023

- ZAID ALZAID ID# 813579 ON LOCATION SINCE 2/20/2023

- OLEG MERINOV NAWOD HSE ADVISOR ID#8043171 ON LOCATION FOR HSE SUPPORT.

----- ERP EQUIPMENT & CONTINGENCY PLAN -----

- 55 MEN CAPACITY EVACUATION BUS ON STANDBY.

- 1ST STAGING AREA 3 KM SOUTH EAST DIRECTION TO JUBAIL, 2ND STAGING AREA 3 KM SOUTH WEST DIRECTION TO SARRAR.

- RAWABI H2S REMOTE DETECTION SYSTEM, 4 EA H2S/LEL SENSORS ON RIG SINCE 02/23/2023.

- COMMUNICATIONS PROTOCOL HELD WITH RIG SINO-7N AND SP-124 TEAM & DAILY COMMUNICATION BY EMAIL STABILISHED.

-----RENTAL TOOLS-----

- 30 BBLS 15% HCL ON HALLIBURTON TANKER SINCE 02/26/2023.

-----DRILLSITE STATUS-----

- DRILL SIDE (FW-03) HAS FDHL-604, 605, 615, 619 (4 PWI)& 1 OBSERVATIONS WELL FDHL-114.

- ALL ADJACENT WELLS (100M DISTANCE BETWEEN EACH OTHERS) ARE SHUT-IN, BARRICADED & ISOLATED, X-TREE AND WELLHEAD VLVS ARE CLOSED.

- ALL PWI WELLS SHUT DOWN IN FW-03.

- DE-PRESSURIZED & BARRICADED HEADER & FLOW LINES IN FW-03.

-----NEXT WELLS STATUS-----

- KOM HELD FOR FDHL-114 ON 01/12/2023, FIELD SERVICE 100 %, WELL SITE 100 %

- KOM HELD FOR FDHL-142 ON 02/06/2023, FIELD SERVICE 0 %, WELL SITE 0 %

- KOM HELD FOR FDHL-122 ON 02/06/2023, FIELD SERVICE 0 %, WELL SITE 0 %

- KOM HELD FOR FDHL-103 ON 07/27/2022, FIELD SERVICES: 100%, WELL SITE 100%.

-----SAFETY DATA-----

- DRILLS:

- REPORTED ON SAFELIFE SYSTEM: 15 X OBB'S

-----DIESEL CONSUMPTION-----

- DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) DAILY: 31.38 BBLS / CUMMULATIVE FOR CURRENT WELL: 206.82 BBLS.

----- WELL SITE SERVICES -----

Remarks

Lateral	Survey MD		Angle	Azimuth	CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS				
MUD DATA	Weight <b>64 PCF</b>	Funnel Vis. <b>50 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API <b>0</b>	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0 Volts</b>	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>27900</b>				
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>99</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>1</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>NACL</b>	Water Well # <b>FDHL-807, FDHL-806</b>					
	Weight <b>64 PCF</b>	Funnel Vis. <b>50 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API <b>0</b>	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0 Volts</b>	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>27900</b>				
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>99</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>1</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>NACL</b>	Water Well # <b>FDHL-807, FDHL-806</b>					
MUD TREATMENT	<b>XC</b>	<b>CAUST</b>	<b>SURFM</b>	<b>NACL</b>	<b>S-SCAV</b>	<b>S BENT</b>										
	<b>27(40LB)</b>	<b>7(50LBP)</b>	<b>1(55GL)</b>	<b>12(2200L)</b>	<b>5(55LB)</b>	<b>1(50LB)</b>										
BIT DATA																
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade				
Miscellaneous	BOP Test <b>02/24/2023</b>	BOP Drills <b>AS PER SCHEDULE</b>			Wind <b>NORMAL</b>	Sea <b>N/A</b>	Weather <b>COLD</b>	DSLTA <b>4440</b>	Safety Meeting <b>PRE-TOUR SAFETY MEETING</b>							
	Real-Time Data Quality						No Transmission									
Personnel and Services Information	COMPANY	<b>TGC</b>	<b>RIG</b>	<b>OES</b>	<b>ASH</b>	<b>RUE</b>	<b>RIG</b>	<b>ARN</b>	<b>ARM</b>	<b>NSL</b>	<b>ARM</b>	<b>HSL</b>				
	CATEGORY	<b>CTRG</b>	<b>RIG</b>	<b>DFMS</b>	<b>FLD</b>	<b>H2S</b>	<b>OTHR</b>	<b>OTHR</b>	<b>OTHR</b>	<b>SLS</b>	<b>WSC</b>	<b>SLS</b>				
	NO. OF PERSONS	<b>15</b>	<b>56</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>7</b>	<b>6</b>	<b>3</b>	<b>1</b>	<b>1</b>				
	OPERATING HRS.	<b>0</b>	<b>24</b>	<b>24</b>	<b>12</b>	<b>24</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>13.5</b>	<b>24</b>	<b>5</b>				
	ON LOCATION HRS.	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>				
Trucks/Boats	Standby/Tankers <b>DH-9118</b>	<b>3 EA RAW WATER TRUCKS AL -SHUREI</b>				<b>MAIN CAMP DIESEL = 80.59 BBL</b>			<b>GASOLINE = 76.6 BBL</b>		<b>ARAMCO MUD DIESEL = 140 BBL</b>					
BULK	Drill Wtr.-BBLS <b>120</b>	Pot Wtr.- BBLS <b>120</b>	Fuel- BBLS <b>418</b>	Barite- SX		Bentonite - SX	Cement G- SX									
REPAIR ASAP	Instrumentation	Other Computer, Communication & V-Sat Issues											Reporter			

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>FZRN-208 (REPAIR LINER LEAK)</b> Charge <b>(61- 22055- #: 0208)</b> Wellbores: (0) FZRN_208_0	Rig <b>SINO- 8</b>	Foreman(s) <b>HAWSAWI, MAZEN MOHAMMED/ GARNI, SAAD SALEH/ OKOCHA, ONYINYE STEPHEN/ HAJRI, ASKAR SAUD</b>
THURAYA	RIG FORMAN VSAT <b>008821677712120</b>	OTHER VSAT <b>572-5169</b>	CONTRACTOR/CLERK VSAT <b>572-6819 572-7166</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>15095</b>	<b>M/U &amp; RIH 2-7/8" WFD MOTOR, D/OUT HARD CMT &amp; FLOAT EQUIP</b>	<b>D/OUT HARD CMT TILL FREE, CHC, PT CASING, POOH &amp; L/D 3-7/8" WFD MOTOR ASSY, RIH POLISH MILL, RIH UPPER COMPLETION</b>	<b>92 KM FROM DAHHRAN MAIN GATE</b>	<b>20.8</b> (02/06/2023@1000)	
<b>Prev. Depth</b>	<b>Liner Size</b>	<b>TOL</b>	<b>MD</b>	<b>TVD</b>	<b>Last Csg Size</b> <b>MD</b> <b>TVD</b> <b>Footage</b> <b>Circ %</b>
<b>10702</b>	<b>7</b>	<b>2907</b>	<b>10702</b>	<b>8736</b>	<b>9 5/8</b> <b>57925792</b> <b>4393</b> <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
<b>05.0</b>	<b>0500 - 1000</b>	<b>0</b>		<b>N</b>	<b>MILL</b>	<b>HT</b>	<b>BHA</b>	<b>RIG</b>	<b>15095</b>	<b>15095</b>			<b>M/U 3-7/8" WFD MOTOR ASSY: (3-7/8" WFD FBM JUNK MILL, 2-7/8" MOTOR, 3-1/2" CENTRALIZER, MOTOR HEAD, X/O, FS), RIH ON 25 STD 2-3/8" DP, 12X 2-7/8" DC, SLB 3-3/8" D.JAR, 1 STD 2-7/8" DC, XO.</b>
<b>05.0</b>	<b>1000 - 1500</b>	<b>0</b>		<b>N</b>	<b>MILL</b>	<b>HT</b>	<b>BHA</b>	<b>RIG</b>	<b>15095</b>	<b>15095</b>	<b>0</b>	<b>4353</b>	<b>RIH WITH WFD MOTOR ASSY ON 2-3/8" DP, CHANGE HANDELING TOOL TO 4" &gt;&gt; FILL UP &amp; CIRCULATE STRING VOLUME EVERY 5 STD'S. &gt;&gt; KEEP TRIP TANK RUNNING; WELL STATIC.</b>
<b>03.0</b>	<b>1500 - 1800</b>	<b>0</b>		<b>N</b>	<b>MILL</b>	<b>TI</b>	<b>STDP</b>	<b>RIG</b>	<b>15095</b>	<b>15095</b>	<b>4353</b>	<b>10432</b>	<b>CONT RIH WITH 3-7/8" WFD MOTOR ASSY ON 4" DP TO 10432'. &gt;&gt; FILL UP &amp; CIRCULATE STRING VOLUME EVERY 15 STD'S. &gt;&gt; KEEP TRIP TANK RUNNING; WELL STATIC.</b>
<b>11.0</b>	<b>1800 - 0500</b>	<b>0</b>		<b>N</b>	<b>MILL</b>	<b>MILL</b>	<b>MILL</b>	<b>RIG</b>	<b>15095</b>	<b>15095</b>	<b>10432</b>	<b>10507</b>	<b>P/U KELLY, CHC, SET MILLING PARAMETER, DRILL OUT HARD CEMENT WITH 2-7/8" WFD MOTOR F/ 10,432' TO 10,507' WITH 72 PCF BRINE, 100% CIRC.</b>

**>> HELD DAILY SAFETY MEETING WITH ALL PERSONNEL ON LOCATION.**

**===== ARAMCO POB =====**

**>> ARAMCO MATERIAL EXP. ALJUBRAN, HASSAN #813621 ON LOCATION.**

**>> ARAMCO FIELD COMPLIANCE TECHNICIAN ABDULKAREEM ALSULAMI #790914 ON LOCATION.**

**===== DIESEL CONSUMPTIONS=====**

**- DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP): (DAILY: 30 BBL / CUMULATIVE FOR CURRENT WELL: 647 BBL).**

**===== NEXT LOCATIONS=====**

**>> WELL FZRN-205 KOM DONE ON DEC 05, 2022. STRIP OUT 100%, LOCATION 100%.**

**>> WELL FZRN-312 KOM DONE ON FEB 26, 2022. STRIP OUT 0%, LOCATION 0%.**

**>> WELL ANDR-1208 KOM DONE BY RIG SND-1501 ON FEB 02, 2023, STRIP OUT 0%, LOCATION 0%.**

**>> WELL ANDR-299 KOM DONE ON FEB 20, 2023, STRIP OUT 0%, LOCATION 0%.**

**>> WELL ABQQ-421 KOM DONE ON FEB 14, 2023, STRIP OUT 0%, LOCATION 0% (NEED DE-ENERGIZE OH POWER LINE).**

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS			
MUD DATA	Weight <b>72 PCF</b>	Funnel Vis. <b>40 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0 Volts</b>	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9.6</b>	CA PPM <b>0</b>			
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>96</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>4</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>CACL</b>	Water Well # <b>ANDR-839</b>			
	Weight <b>72 PCF</b>	Funnel Vis. <b>40 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0 Volts</b>	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9.6</b>	CA PPM <b>0</b>			
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>96</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>4</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>CACL</b>	Water Well # <b>ANDR-839</b>			
MUD TREATMENT														
BIT DATA														
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
Miscellaneous	BOP Test <b>02/17/2023</b>		BOP Drills <b>AS PER SCHEDULE</b>			Wind <b>NORMAL</b>		Sea <b>N/A</b>	Weather <b>COOL</b>	DSLTA <b>3982</b>	Safety Meeting <b>TOURLY</b>			
	Real-Time Data Quality						No Transmission							
	COMPANY		GOS	RIG	GDF	ARM	WTS	OTH	ARM					

Personnel and Services Information	CATEGORY		CTR G	RIG	DFMS	OTHR	SLS	VAC	WSC	Total <b>80</b>
	NO. OF PERSONS		12	60	1	1	1	3	2	
	OPERATING HRS.		0	24	24	12	24	12	24	
	ON LOCATION HRS.		24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers									
	<b>AB-6411</b>									
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX				
REPAIR ASAP	Instrumentation	Other								Reporter
	Computer, Communication & V-Sat Issues									

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>UMGR-1 (OIL EXPLORATION WITH HADRIYA TARGET )</b> Charge #: <b>(75- 22853- 0001)</b> Wellbores: (0) UMGR_1_0	Rig <b>SINO- 10</b> Foreman(s) Engineer Superintendent	<b>ABUALHUDA MOHAMED, ABUALHUDA MOHAMED/ HEBBICHE, ZINELAABIDINE/ GRUJOVIC, DRAGAN/ SHAIJI, OMAR ADNAN</b>	
		THURAYA <b>882167771222</b>	RIG FORMAN VSAT <b>578-4015</b>	CONTRACTOR/CLERK VSAT <b>578-4196</b>

Depth <b>9768</b>	Last 24 hr operations <b>RUN 9-5/8" CASING , CHC PRIOR CEMENT JOB</b>	Next 24 hr plan <b>TWO STAGES CEMENT QARYAT AL ULYA, 31KM JOB, WELL HEAD AND DIRECTION TO UM GHOR, TURN BOP WORK, LDN OLD BHA.</b>	Location <b>LEFT 37KM SKID ROAD. N- 3013635.73, E-754028.03</b>	Days Since Spud/Comm (Date) <b>21.5 (02/05/2023@1700)</b>	Formation tops <b>PAMU 6120 311 FT SHALLOWER RUML 6420 252 FT SHALLOWER AHMD 6580 283 FT SHALLOWER SFNC 6640 372 FT SHALLOWER SHUB 8120 245 FT SHALLOWER BYDH 8220 221 FT SHALLOWER BUWB 9640 278 FT SHALLOWER MDTM 9720 277 FT SHALLOWER</b>
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Prev. Depth <b>9768</b>	Liner Size	TOL	MD	TVD	Last Csg Size <b>13 3/8</b>	MD <b>4920</b>	TVD <b>4920</b>	Footage <b>0</b>	Circ % <b>100</b>
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Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
<b>01.5</b>	<b>0500 - 0630</b>	<b>0</b>	<b>12</b>	<b>N</b>	<b>CSG</b>	<b>RCSG</b>	<b>CSTR</b>	<b>SPR</b>	<b>9768</b>	<b>9768</b>	<b>0</b>	<b>164</b>	<b>P/UP &amp; M/UP 9-5/8" SHOE TRACK ( 9-5/8" F.S, 2*9-5/8" 53.5#, VAM TOP HC-NA, FC W/ BYPASS BAFFLE, 2*9-5/8" 53.5#, V, TOP HC-NA, LC, 1* 9-5/8" CSG), (5 JTS/243), CHECK FLOATS - OK, THREADLOCK EACH CONNECTION, FUNCTION TEST OK, M/UP V.TOP HC-NA @ 23,150 FT.LB. OK.</b>
<b>02.2</b>	<b>0630 - 0845</b>	<b>0</b>	<b>12</b>	<b>N</b>	<b>CSG</b>	<b>RCSG</b>	<b>CRT</b>	<b>SPR</b>	<b>9768</b>	<b>9768</b>	<b>164</b>	<b>1590</b>	<b>- CONT'D P/UP &amp; M/UP WHILE RIH &amp; FILL EA JT'S W/SAPESCO CRT, 9-5/8" CASING 53.53#, V.TOP HC-NA, TOT 40/241 JT'S - KPI 14 JPH, ACTUAL JT'S 15 JPH., FILL THE STRING EA JT'S WHILE RIH, WELL ON TRIP TANK OK.</b>
<b>01.2</b>	<b>0845 - 1000</b>	<b>0</b>	<b>12</b>	<b>N</b>	<b>CSG</b>	<b>RCSG</b>	<b>BACE</b>	<b>RIG</b>	<b>9768</b>	<b>9768</b>			<b>HPJSM, P/UP AND M/UP ENPRO (TAM INTERNATIONAL 9-5/8" INFLATABLE PKR. WITH TWO X-OVERS AS PER ENPRO ENG. OK, R/UP SAPESCO SPIDER SLIPS OK. (PKR S/N# 50234928 - PART NO#963-05LF-13936500).</b>
<b>05.5</b>	<b>1000 - 1530</b>	<b>0</b>	<b>12</b>	<b>N</b>	<b>CSG</b>	<b>RCSG</b>	<b>CRT</b>	<b>SPR</b>	<b>9768</b>	<b>9768</b>	<b>1590</b>	<b>5140</b>	<b>- CONT'D P/UP &amp; M/UP WHILE RIH &amp; FILL EA JT'S W/SAPESCO CRT, 9-5/8" CASING 53.53#, V.TOP HC-NA, TOT 129/241 JT'S - KPI 14 JPH, ACTUAL JT'S 15 JPH., FILL THE STRING EA JT'S WHILE RIH, WELL ON TRIP TANK OK.</b>
<b>01.0</b>	<b>1530 - 1630</b>	<b>0</b>	<b>12</b>	<b>N</b>	<b>CSG</b>	<b>RCSG</b>	<b>DV</b>	<b>HDV</b>	<b>9768</b>	<b>9768</b>			<b>P/UP &amp; M/UP 9-5/8" *13-3/8" HALL. DV.TOOl, &amp; SERVICE CHECK AS REQ. , PN: 102749863, SN: 4589850, AS PER DV.TOOl ENG. OK.</b>
<b>00.8</b>	<b>1630 - 1715</b>	<b>0</b>	<b>12</b>	<b>N</b>	<b>CSG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>9768</b>	<b>9768</b>			<b>LINE UP AND CIRC. CSG. VOL. OK.</b>
<b>07.2</b>	<b>1715 - 0030</b>	<b>0</b>	<b>12</b>	<b>N</b>	<b>CSG</b>	<b>RCSG</b>	<b>CRT</b>	<b>SPR</b>	<b>9768</b>	<b>9768</b>	<b>5140</b>	<b>9700</b>	<b>- CONT'D P/UP &amp; M/UP WHILE RIH &amp; FILL EA JT'S W/SAPESCO CRT, 9-5/8" CASING 53.53#, V.TOP HC-NA, TOT 241/241 JT'S - KPI 14 JPH, ACTUAL JT'S 15 JPH., FILL THE STRING EA JT'S WHILE RIH, WELL ON TRIP TANK OK.</b>
<b>02.8</b>	<b>0030 - 0315</b>	<b>0</b>	<b>12</b>	<b>N</b>	<b>CSG</b>	<b>RW</b>	<b>CSG</b>	<b>RIG</b>	<b>9768</b>	<b>9768</b>	<b>9700</b>	<b>9768</b>	<b>P/UP &amp; M/UP CAM. 9-5/8" FMH, &amp; 4 EA P.JOINTS , RIH WHILE WASH DOWN F/9700' TO 9768' BTM AND SET SAME, CONFIRM IN PLACE OK. , STICK UP AS PER THE TALLY, CLEAR MARK @SOV'S OK. AS PER CAM. ENG.</b>
<b>01.8</b>	<b>0315 - 0500</b>	<b>0</b>	<b>12</b>	<b>N</b>	<b>CSG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>9768</b>	<b>9768</b>			<b>LINE UP AND CONT'D CIRC. @BTM, SHALE SHAKER CLEAN OK. MUD IN &amp; OUT 76 PCF OK. MEANWHILE PREPARE FOR CMT. JOB. ON GOING @R.T.</b>

THE OBJECTIVE OF UMGR-1 WILL BE DRILLED AS AN OIL EXPLORATION. PRIMARY TARGET THE HADRIYA RESERVOIR, UPPER HANIFA AND FARIDAH AS SECONDARY TARGETS.

\*\*\*\*\* ESTIMATED GEOLOGICAL HORIZONS INFORMATION \*\*\*\*\*

CASING SETTING DEPTHS:

- 30" CONDUCTOR SET @ +/- 120 FT. ACTUAL @ 120 FT.

- 24" SET @ +/- 572 FT. ACTUAL @ XXXX FT. (44 FT INTO DAMMAM FORMATION, CONTINGENT CASING POINT FOR 24")
- 18 5/8" CASING POINT @ 1,182' (50 FT INTO RUS) ACTUAL AT 1193 FT (51 FT INTO RUS).
- 13 3/8" CASING POINT @ 5,148' (50 FT INTO LAMS). ACTUAL@ 4920 FT (70 FT INTO LAMS).
- 9 5/8" CSG @ 10,047' (50 FT INTO MDTM). ACTUAL @ 9768 FT (48 FT INTO MDTM).
- 7" LINER POINT @12,857' (50 FT INTO BLHR). ACTUAL @ XXXX FT (XX FT INTO BLHR).
- 4-1/2" LINER SET AT WELL TD @ 15,229' (~100 FT INTO DRMS). ACTUAL @ XXXXX FT. (XXX FT INTO DRMS)

\*\*\*\*\*POB\*\*\*\*\*

\* ARAMCO CLERK JOMAR PALAWAN ID# 8293568 ON LOCATION SINCE 2/8/2023.

\* ARAMCO FCT KHALID ALQARNI BDG #790706 ON LOCATION SINCE 02/21/2023.

\* ARAMCO GEOLOGIST ALQAHTANI, ZIAD ID# 775483 ON LOCATION SINCE 20TH FEB 2023.

\* ARAMCO GEOLOGIST ALQAHTANI, HAZZAA FAYEZ ON LOCATION SINCE 19TH FEB 2023.

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- DAILY CONSUMED DIESEL= 44 BBLS. - MONTHLY CONSUMED DIESEL= 1,477 BBLS. WELL, UMGR-1 CONSUMED DIESEL= 1,635 BBLS.

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- WATER WELL: UMGR-801 PRODUCES 650 GPM.

> VT-1: PARMESH RAZAKLIQ#2479262723 / VEHICLE DOOR# 864/ TRUCK PLATE# XDA-7354

> VT-2 MAZHAR QAYYUM ABDUL QAYYUM # 2346274455 / VEHICLE DOOR# 848 TRUCK PLATE#ENA-1732

\*\*\*\*\*

NEXT WELL: MZHR-1

- LOCATION PROGRESS,

- WELL CHARGE NUMBER: 75-228520-001.

- WATER WELL: XXXX

- LAST COMMUNICATION WITH WSE.

- LAST VISIT:

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**DISCUSSES SAFETY ALERT 003-23 WITH BOTH RIG CREW.**

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec		DLS
MUD DATA	Weight <b>76</b> PCF	Funnel Vis. <b>56</b> SEC	Filtrate(WL) <b>10</b> HTHP	Filtrate (WL) API	PV <b>16</b>	YP <b>28</b>	Electrical Stability 0 Volts	3/6 RPM <b>10 / 11</b>	Gels Sec/Min <b>11 / 14</b>	PH <b>9.7</b>	CA PPM <b>280</b>	CL PPM <b>71000</b>		
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>0.5</b>	Water Vol.% <b>84</b>	Oil Vol.% <b>1</b>	Solids Vol.% <b>15</b>	Sand Vol.% <b>0</b>	% LGS <b>2.57</b>	MBT <b>5</b>	Mud type <b>NCPOL</b>	Water Well # <b>UMGR-801</b>			
	Weight <b>76</b> PCF	Funnel Vis. <b>56</b> SEC	Filtrate(WL) <b>11</b> HTHP	Filtrate (WL) API	PV <b>18</b>	YP <b>27</b>	Electrical Stability 0 Volts	3/6 RPM <b>10 / 11</b>	Gels Sec/Min <b>11 / 13</b>	PH <b>9.5</b>	CA PPM <b>280</b>	CL PPM <b>70000</b>		
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>0.5</b>	Water Vol.% <b>84</b>	Oil Vol.% <b>1</b>	Solids Vol.% <b>15</b>	Sand Vol.% <b>0</b>	% LGS <b>2.57</b>	MBT <b>5</b>	Mud type <b>NCPOL</b>	Water Well # <b>UMGR-801</b>			
MUD TREATMENT	SODASH <b>2(50KG)</b>	XC <b>2(55LB)</b>	CAUST <b>3(55LB)</b>	BENT <b>2(2500L)</b>	BARITE <b>16(5000L)</b>	FLO-TROL <b>3(55LB)</b>								
BIT DATA														
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
Miscellaneous	BOP Test <b>02/18/2023</b>		BOP Drills		Wind <b>CALM</b>		Sea <b>N/A</b>	Weather <b>SEASONAL</b>		DSLTA <b>6208</b>		Safety Meeting <b>DAILY</b>		
	Real-Time Data Quality			Sensors Quality			99%	Data Frequency		98%	Real-Time Hrs		10.99/24 hrs	
Personnel and Services Information	COMPANY		SPR	TGC	HDV	RIG	EMC	ENP	XLG	ARM	NCS	ARM	CAM	Total <b>102</b>
	CATEGORY		CSR	CTRG	DV	RIG	DFMS	ECPOH	MLS	OTHR	PCS	WSC	WHES	
	NO. OF PERSONS		6	17	2	60	1	1	4	4	4	2	1	
	OPERATING HRS.		24	0	12	24	12	12	12	12	0	24	0	
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers <b>AB-6507</b>	AMBULANCE	COASTER BUS											
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>321</b>	Barite- SX	Bentonite - SX	Cement G- SX <b>3500</b>								
REPAIR ASAP	Instrumentation Computer, Communication & V-Sat Issues				Other		Reporter							
<b>RIG FOREMAN PRINTER IS NOT WORKING OUT OF SERVICE BP#427979</b>														



Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>UMJF-22 (UNZA PRODUCER ESP CHANGE OUT.)</b> Charge (61- 23041- #: 0022) Wellbores: (0) UMJF_22_0	Rig <b>SINO-11</b>	Foreman(s) <b>DJERIBAA, ABDELDJALIL/ BOUFFAGHAR, YOUCEF/ ALKHATEEB, MOHAMMAD ABDULLAH/ LAHLAH, AZZEDINE</b>
			Engineer Superintendent <b>THURAYA</b>
			RIG FORMAN VSAT <b>008821677712327</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>6190</b>	<b>RIH NEW COMPLETION, SET AND PT MONO-LOCK PLUG, ND BOP, NU &amp; PT WELL HEAD, RIH TO RETRIEVE MONO-LOCK PLUG.</b>	<b>ESP FUNCTION TEST, L/D EXCESS 3-1/2 DP, RIG RELEASE TO NYYM-21</b>	<b>681 KM FROM DHARAHAN MAIN GATE.</b>	<b>5.4</b> (02/21/2023@2000)	
Prev. Depth <b>6212</b>	Liner Size <b>7</b>	TOL <b>4578</b>	MD <b>6211</b>	TVD <b>2611</b>	Last Csg Size <b>9 5/8</b> MD <b>48674867</b> TVD <b>-22</b> Footage Circ % <b>80</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
00.2	0500 - 0515	0		C	COMP	RPCS	SPCOM	GOC	6190	6190	2950	3046	CONT RIH W/APC ESP ASSY ON 3-1/2" TUBING FROM 2950' TO 3046' (#93/137). KEEP FILLING HOLE W/68PCF INHIBIT BRINE FROM TRIP TANK.  FILL UP STRING EVERY 12JOINTS. LOSSES 10 BPH			
00.5	0515 - 0545	0		C	COMP	HT	ESPL	KSC	6190	6190			CHECK CABLE INTEGRITY: PHASE TO PHASE IS 3.40 OHM PHASE TO GROUND IS 3.09 G.OHM/5MINUTES, 4.23 GOHM/10MINUTES.			
01.8	0545 - 0730	0		C	COMP	RPCS	SPCOM	GOC	6190	6190	3046	3835	CONT RIH W/APC ESP ASSY ON 3-1/2" TUBING FROM 3046' TO 3835' (#118/137). KEEP FILLING HOLE W/68PCF INHIBIT BRINE FROM TRIP TANK.  FILL UP STRING EVERY 12JOINTS.			
00.5	0730 - 0800	0		C	COMP	HT	ESPL	KSC	6190	6190			CHECK CABLE INTEGRITY: PHASE TO PHASE IS 3.4 OHM PHASE TO GROUND IS 2.32 G.OHM/5MINUTES, 3.44 GOHM/10MINUTES.			
01.5	0800 - 0930	0		C	COMP	RPCS	SPCOM	GOC	6190	6190	3835	4433	CONT RIH W/APC ESP ASSY ON 3-1/2" TUBING FROM 3835' TO 4433' (#137/137). KEEP FILLING HOLE W/68PCF INHIBIT BRINE FROM TRIP TANK.  FILL UP STRING EVERY 12JOINTS.			
00.5	0930 - 1000	0		C	COMP	HT	TBG	GOC	6190	6190			M/U OLD GRAY 11" X 3-1/2" EUE TUBING HANGER FROM 4433' TO 4443'. CHECK CABLE INTEGRITY: PHASE TO PHASE IS 3.4 OHM PHASE TO GROUND IS 2.02 G.OHM/5MINUTES, 2.95 GOHM/10MINUTES.			
01.0	1000 - 1100	0		C	COMP	DTU	DRFT	NSL	6190	6190			HPJSM, R/U NESR S/L EQUIPMENTS AND PT SAME TO 2000PSI FOR 10MINUTES, OK. RIH W/2.867" DRIFT TO 4265' TO TAG PUMP THRU PLUG. R/D NESR S/L EQUIPMENTS.			
00.5	1100 - 1130	0		C	COMP	OTH	SSD	NSL	6190	6190			HPJSM, M/U SAFETY VALVE AND LANDING JOINT. R/D APC CABLE SHEAVE.			
02.5	1130 - 1400	0		C	COMP	HT	ESPL	KSC	6190	6190			HPJSM, QCI ENGINEER SPLICE PENETRATOR TO TUBING HANGER. CHECK CABLE INTEGRITY: PHASE TO PHASE IS 3.4 OHM PHASE TO GROUND IS 2.10 G.OHM/5MINUTES, 2.97 GOHM/10MINUTES. TOTAL NEW 137JTSX3-1/2" EUE J-55 #9.3 TUBING. PUMP NECK CLAMP X 3EA CROSS COUPLING X 137EA STRAP BAND X 43EA.			
00.5	1400 - 1430	0		C	COMP	HT	TBG	RIG	6190	6190			HPJSM, LAND TUBING HANGER IN OLD VG TUBING SPOOL AND TIGHT TIE-DOWN BOLTS. PT TUBING HANGER W/PENETRATOR TO 1500 PSI FOR 10MINUTES, OK.			
05.0	1430 - 1930	0		C	COMP	DTU	DRFT	NSL	6190	6190			HPJSM, R/U NESR S/L EQUIPMENTS AND PT SAME TO 2000PSI FOR 10MINUTES, OK. NESR RIH TO RETRIEVE HES 2.78" PUMP THROUGH PLUG @4288'. NESR RIH W/HES 2.78" MONO-LOCK AND SET SAME @4330'. RIH W/HES PRONG AND SET SAME IN THE NONO-LOCK. PT MONO-LOCK TO 1000PSI FOR 10MINUTES, OK. R/D NESR S/L EQUIPMENTS.			

01.0	1930 - 2030	0		C	WH	SET	BPV	RIG	6190	6190				HPJSM,L/D LANDING JOINT AND SAFETY VALVE. SET 3-1/2"BPV IN TUBING HANGER. R/D ALGAITH 3-1/2" TUBING HANDLING TOOLS.
00.5	2030 - 2100	0		C	BOP	ND	BNIP	RIG	6190	6190				HPJSM, N/D BELL NIPPLE AND FLOW LINE.
03.0	2100 - 0000	0		C	BOP	ND	BOP	RIG	6190	6190				HPJSM, N/D 13-5/8" 3M CLASS "B" BOP AND RELATED EQUIPMENT IN TWO STAGES. CHECK CABLE INTEGRITY: PHASE TO PHASE 2.30 OHM PHASE TO GROUND IS 2.0 G.OHM/5MINUTES, 2.89 GOHM/10MINUTES.
03.0	0000 - 0300	0		C	WH	NU	TREE	RIG	6190	6190				HPJSM, M/U OLD VG 11'X3-1/8"ROTARY BONNET. QCI ENGINEER WORK ON CABLE PENETRATOR. INSTALL JUNCTION BOX AND P/T BONNET SEAL TO 2500PSI - OK. N/U NEW FMC 3-1/8" PRODUCTION TREE, REMOVE BPV AND INSTALL TWCV AND PT SAME TO 2500PSI FOR 10MINUTES - OK.
02.0	0300 - 0500	0		C	COMP	RTRV	PLUGT	NSL	6190	6190				HPJSM, R/U NESR S/LINE, P/T LUBRICATOR TO 2000 PSI FOR 15 MINS, HOLD "OK". - RIH & RETRIEVE 3-1/2" PRONG AND MONO-LOCK PLUG, POOH & L/D. -- ONGOING--  - OIL SERV CONT SPOT TEST PACKAGE EQUIPMENT & CONNECTED SURFACE LINES OFFLINE

ODF: - 4.71 FT

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#### KPI

RIH 3-1/2" TBG W/ NEW ESP KPI: 12 JTS/HR

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#### ERP

GOR = 41 SCF/STB & H2S : 0.0 %

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#### HSE

- SAFETY: PRE-TOUR SAFETY MEETINGS: 02, SAFETY TOPIC ON MENTAL HEALTH, STRESS AWARENESS, AND STRESS MANAGEMENT (0),  
- WEEKLY SAFETY MEETINGS: (0).

- STOP CARDS 15, PTW: (2), JSA: (2), NEAR MISS (1), INCIDENTS: (0),

- DRILLS: PIT DRILL (0) TRIP DRILL (0)- H2S DRILL (2)- FIRE DRILL (1), MAN DOWN DRILL (0), ACCUMULATOR DRILL: (0), SWA DRILL: (0).

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#### POB:

ARAMCO MATERIAL EXPEDITOR ABDULLAH ALOSAIMI #816163 ON LOCATION SINCE 2/20/2023.

ARAMCO FCT MOHAMMED ALSHEHRI #787090 ON LOCATION SINCE 02/21/2023.

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#### AUDIT

- RHSI DONE ON JAN 17/2022 : FINDING = 68, CLOSED = 68, OPEN = 0.  
- WCI DONE ON JAN 17/2022 : FINDING = 13, CLOSED = 13, CLOSED  
- 2ND QSI ON MAY 26 , 2022 : FINDING = 54, CLOSED = 54, OPEN = 0.  
- 3RD QSI ON 08/27/2022 , : FINDING = 54, CLOSED = 54, OPEN = 0.

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#### WATER DATA

- WATER SOURCE : UMJF-801  
- TOTAL WATER IN MUD SYSTEM: 33600 GAL.  
- DAILY WATER CONSUMED: 18900 GAL.  
- DAILY WATER RECEIVED: 18900 GAL.

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#### MUD/COMPLETION DIESEL IN BBLS:

- STOCK: 285 BBL  
- CONSUMED: 0  
- RECEIVED: 0

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#### NEXT WELLS

- NYYM-21 KOM HELD, STRIP OUT 100% , LOCATION 0%  
- KHRs- 357 KOM HELD, STRIP OUT 100% , LOCATION 0%  
- KHRs- 358 KOM HELD, STRIP OUT 0% , LOCATION 0%  
- KHRs- 359 KOM HELD, STRIP OUT 0% , LOCATION 0%

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#### RENTAL TOOLS:

SCHLUMBERGER 4 3/4" D/JAR S/N: 00798KA SINCE :01/13/2023

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#### WELLSITE EQUIPMENT:

- NONE.

- ECC HAS RADIO COMMUNICATION FUNCTIONAL,

### ARAMCO VEHICLE SERVICE DETAILS

- ARAMCO CAR WITH NUMBER AB-6417 SERVICED ON 12/22/2022,NEXT SERVICE DUE 02/22/2023.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS																							
MUD DATA	Weight <b>68</b> PCF	Funnel Vis. <b>30</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>1</b>	YP <b>4</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>1 / 2</b>	Gels Sec/Min <b>2 / 3</b>	PH <b>10</b>	CA PPM <b>240</b>	CL PPM <b>74000</b>																										
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>100</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>0</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>WBM-NAC</b>	Water Well # <b>GHNH-13</b>																											
	Weight <b>68</b> PCF	Funnel Vis. <b>30</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>1</b>	YP <b>4</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>1 / 2</b>	Gels Sec/Min <b>2 / 3</b>	PH <b>10</b>	CA PPM <b>240</b>	CL PPM <b>74000</b>																										
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>100</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>0</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>WBM-NAC</b>	Water Well # <b>GHNH-13</b>																											
MUD TREATMENT																																						
BIT DATA																																						
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #																								
Miscellaneous	BOP Test <b>02/22/2023</b>	BOP Drills			Wind <b>SOFT</b>	Sea <b>NA</b>	Weather <b>SEASONAL</b>			DSLTA <b>4117</b>	Safety Meeting <b>EACH TOUR</b>																											
	Real-Time Data Quality								<b>No Transmission</b>																													
Personnel and Services Information	COMPANY	<b>SJC</b>	<b>KSC</b>	<b>GOC</b>	<b>TGC</b>	<b>RIG</b>	<b>EMC</b>	<b>ASH</b>	<b>RIG</b>	<b>ARM</b>	<b>NSL</b>	<b>ARM</b>	<b>OWT</b>	Total <b>114</b>																								
	CATEGORY	<b>PCS</b>	<b>ALS</b>	<b>CSR</b>	<b>CTR G</b>	<b>RIG</b>	<b>DFMS</b>	<b>FLD</b>	<b>OTHR</b>	<b>OTHR</b>	<b>SLS</b>	<b>WSC</b>	<b>WTSE</b>																									
	NO. OF PERSONS	<b>3</b>	<b>3</b>	<b>2</b>	<b>14</b>	<b>66</b>	<b>1</b>	<b>4</b>	<b>5</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>9</b>																									
	OPERATING HRS.	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>6</b>	<b>12</b>	<b>0</b>																									
	ON LOCATION HRS.	<b>9</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>																									
Trucks/Boats	Standby/Tankers																																					
BULK	Drill Wtr.-BBLS <b>800</b>	Pot Wtr.- BBLS		Fuel- BBLS <b>92</b>	Barite- SX		Bentonite - SX	Cement G- SX																														
REPAIR ASAP	Instrumentation	Other													Reporter																							
	Computer, Communication & V-Sat Issues																																					
	<b>PRINTER DOWN.</b>																																					

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Date	Well No (Type) :	MONDAY 02/27/2023			HRDH-451 (SIDETRACK THE WELL AS A SINGLE LATERAL ACROSS ARAB-D)			GABR, ABDELAZIZ ELSAYED/ ZAHRANI, OSAMA MAJHOOD/ KHALDI, MOHAMMED SALEH		
	Charge #:	71- 23058- 0451			THURAYA			RIG FORMAN VSAT OTHER VSAT OTHER VSAT CONTRACTOR/CLERK VSAT		
	Wellbores:	(0- HRDH_451_1 1)			008821677712699 (013)578-4075 (013)578-4036 (013)8389378 MEDIC (013) 838-9509 HALL					
	Wellbores:	(0) HRDH_451_0								

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
4647	CONT. WH WORK , N/U NEW T.H.S , PT, N/U BOP, PT, POOH 9-5/8" RTTS PKR, M/U, RIH 7" WDF WHIPSTOCK, SET SAME, CUT 7" WINDOW, DRILL 6-1/8" RAT HOLE, CHC.	CHC, POOH W/ 6-1/8" WFD MILL. ASSY. , L/D SAME ,JET BOP,M/U & RIH W/ 6-1/8" D.D CURVE SECTION ASSY., DRLG 6-1/8" HOLE.	249 KM FROM DHARAHAN MAIN GATE	6.4 (02/20/2023@1800)	
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %
4639	7	1705	6958	6229	9 5/8 34973497 8 0

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations		
									Start	End			
02.0	0500 - 0700	0		N	WH	OTH	NA	IWS	11885	11885	CONT. HOT HED RE-STUB 9-5/8" CSG - AL-MANSOURI PERFORM UT INSPECTION ON WELDED AREA, OK.		
01.5	0700 - 0830	0		N	WH	NU	WH	RIG	11885	11885	N/U NEW 13-5/8" X 11" 3M "CIW" THS (S/N : 121673345-03 ) W/ 9-5/8" INTERFERENCE SEAL, P/T THS CAVITY SEALS & 9 5/8" SLIPS TO 1500 PSI, OK.		
02.2	0830 - 1045	0		N	BOP	NU	BOP	RIG	11885	11885	- REMOVE 2" BLIND FLANGES, VR PLUG & INSTALL TWO NEW 2-1/16" "CIW" GATE VLV ON THS, P/T SAME W/ VR PLUG T/ (300-2250), HOLD,OK.		
01.5	1045 - 1215	0		N	BOP	BOPT	BOP	RIG	11885	11885	HPJSM, N/U 13 5/8"-5M CLASS "A" BOP'S & RELATED EQUIPMENT.		
01.2	1215 - 1330	0		N	PA	OTH	NA	HCO	11885	11885	M/U & RIH W/ 9-5/8" CUP TESTER, P/T LB & THS OUTLETS, BOPE CONNECTIONS & EMERGENCY LINES, ANNULAR BOP AS PER ARAMCO STANDARD T/ ( 300-2250) PSI, HOLD		
00.8	1330 - 1415	0		N	PA	TO	STDP	RIG	11885	11885	- POOH & L/D 9-5/8" CUP TESTER.		
00.2	1415 - 1430	0		C	WH	SET	WBSH	RIG	11885	11885	INSTALLED 11" "CIW" WEAR BUSHING		
00.5	1430 - 1500	0		N	MAIN	RR	TDS	RIG	11885	11885	SERVICE T.D.S.		
02.0	1500 - 1700	0		N	TINL	HT	BHA	RIG	11885	11885	HPJSM, M/U 7" WFD QC RHN HYD WHIPSTOCK W/ MILLING BHA & MWD AS FOLLOW:		
											- BHA: 5-1/2" QC RHN WHIPSTOCK, 6-1/8" QC LEAD MILL, 6-1/8" QC FLEX MILL, 1 X 3-1/2" HWDP, MWD, DH SCREEN SUB, F.S W/ FV, XO.		
											- ORIENTED WHIPSTOCK FACE TO MWD HIGH SIDE.		
											- PERFORMED SHALLOW TEST FOR MWD W/180 GPM / 300 PSI.		
04.5	1700 - 2130	0		N	TINL	TI	STHDP	RIG	11885	11885	RIH W/7" WFD WHIPSTOCK ON 4" HWDP/DP STD'S AT CONTROLLED SPEED TO 4646 FT.		
											- FILL UP STRG EVERY 15 STD'S.		
01.5	2130 - 2300	0		N	TINL	SET	WPSTK	WWD	11885	11885	HPJSM, ORIENT 7" WHIPSTOCK TOOLFACE TO 60 DEG RIGHT OF HIGH SIDE & SET WHIPSTOCK @ 4646° AS FOLLOWING:		
											- INCREASE FLOW RATE GRADUALLY TO 450 GPM , MAINTAIN PRESSURE FOR 5 MIN.		
											- CONFIRM ANCHOR SET W/ 20 KLBS S.O.W, CONTINUE S.O.W & SHEAR KNOCK OFF BOLT W/ 43 KLBS S/O WT.		
											- P/U MILL FREE & TAGGED W/ 45 KLBS TO CONFIRM WHIPSTOCK IN POSITION.		
02.5	2300 - 0130	0		N	TINL	MILL	MILL	RIG	11885	11885	SET MILLING PARAMETERS, MILL & CUT WINDOW IN 7" CSG F/ 4630 FT (TOW) T/ 4630 FT (BOW) W/ 76 PCF MILLING FLUID & 100% CIRC.		
											- SWEEP HOLE W/ 10 BBLS HI-VIS & BAROLIFT PILL AS REQUIRED.		
											- INSTALL 3 MAGNETS AT SHALE SHAKERS & ONE AT DITCH LINE, CLEAN SAME EVERY 30 MINS.		
00.0	0130 - 0130	0-1	6 1/8	S	OT	TINL	NA	RIG	4639	4639	TIE IN NEW LATERAL L-0-1 @ 4639'		
02.0	0130 - 0330	0-1	6 1/8	N	DRLG	D	TDS	RIG	4639	4647	DRILL 6-1/8" RAT HOLE F/ 4639 FT T/ 4647 FT, W/ 76 PCF WBM, 100% CIRC.		
											- SWEEP HOLE W/ 15 BBLS HI-VIS PILL EVERY 1 FT DRILLED.		
01.0	0330 - 0430	0-1	6 1/8	N	TINL	OTH	NA	WFS	4647	4647	DRESS WINDOW TILL PASS FREE W/O TRQ OR DRAG & CHECK STRG W/O ROTATION AND CIRC., OK.		
00.5	0430 - 0500	0-1	6 1/8	N	TINL	CIRC	MPMP	RIG	4647	4647	PUMP 50 BBL'S HI-VIS BAROLIFT PILL, CHC TILL DITCH MAGNETS CLEAN ..... INC @ RT.		

ODF= -11.6 FT  
 - TOW AT 4630 FT.  
 - BOW AT 4639 FT.

#### PERSONNEL ON BOARD:

- ARAMCO FCT MOHAMED BIN HUMAID #784004 ON LOCATION SINCE 20TH FEBRUARY 2023.  
 - HALL LSTK DSV: SAMEH / LALIT / RAMY, SAFETY MAN: SURESH.

#### DIESEL CONSUMPTION:

- DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) = (DAILY: 21.35 BBLS / CUMULATIVE FOR CURRENT WELL: 214.64 BBLS).

\* RIG & CAMP DIESEL PROVIDED BY HALLIBURTON.

#### NEXT LOCATION:

HRDH-1463: HELD KOM ON 12/06/2022, STRIP OUT 100 % & LOCATION 30 %.

HRDH-26: HELD KOM ON 02/14/2022 , STRIP OUT 00 % & LOCATION 00%

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight 76 PCF	Funnel Vis. 40 SEC	Filtrate(WL) HTHP	Filtrate (WL) API	PV	YP	Electrical Stability Volts	/	Gels Sec/Min /	PH	CA PPM
	FL Temp 90	Cake HTHP	Cake API	Water Vol. % 96	Oil Vol. % 0	Solids Vol. % 4	Sand Vol. %	% LGS 0	MBT	Mud type CACL	Water Well # HRDH-3505, HRDH-804

	Weight <b>76</b> PCF	Funnel Vis. <b>40</b> SEC	Filtrate(WL) HTHP	Filtrate (WL) API	PV	YP	Electrical Stability Volts	3/6 RPM <b>I</b>	Gels Sec/Min /	PH	CA PPM	CL PPM							
	FL Temp <b>90</b>	Cake HTHP	Cake API	Water Vol. % <b>96</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>4</b>	Sand Vol. %	% LGS <b>0</b>	MBT	Mud type <b>CACL</b>	Water Well # <b>HRDH-3505, HRDH-804</b>								
MUD TREATMENT																			
BIT DATA																			
DRILL STRING	Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #																		
Miscellaneous	BOP Test <b>02/21/2023</b>	BOP Drills <b>02/26/2023</b>	Wind <b>20 KM/HR</b>	Sea <b>N/A</b>	Weather <b>SEASONAL</b>	DSLTA <b>4717</b>	Safety Meeting <b>RIH W/ WFD WHIPSTOCK</b>												
	Real-Time Data Quality		Sensors Quality		98%	Data Frequency		100%	Real-Time Hrs		11.49/24 hrs								
Personnel and Services Information	COMPANY	HCB	OTH	WWD	SPS	RIG	MJH	TK1	RIG	ARM	TK1	ARM	Total <b>86</b>						
	CATEGORY	BRCR	CTRG	WPSTK	DPDS	RIG	SEC	OTHR	OTHR	OTHR	WSC	WSC							
	NO. OF PERSONS	1	12	1	4	55	4	1	3	1	3	1							
	OPERATING HRS.	1	0	8	4	24	24	12	12	12	24	24							
	ON LOCATION HRS.	8	24	24	24	24	24	24	24	24	24	24							
Trucks/Boats	Standby/Tankers <b>AB-6421</b>	<b>SINO AMBULANCE</b>		<b>WATER WELL: HWYH-804</b>															
BULK	Drill Wtr.-BBLS <b>0</b>	Pot Wtr.- BBLS <b>0</b>	Fuel- BBLS <b>0</b>	Barite- SX <b>0</b>	Bentonite - SX <b>0</b>	Cement G- SX <b>600</b>													
REPAIR ASAP	Instrumentation	Other											Reporter						
	Computer, Communication & V-Sat Issues																		

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Date	Well No (Type) :	Rig	Foreman(s)
MONDAY 02/27/2023	ANDR-394 (SINGLE LATERAL OIL PRODUCER WITHIN TOP OF ARAB- D1 RESERVOIR.) Charge (71- 23056- #: 0394) Wellbores: (0- ANDR_394_1 1)	SINO- 15L	PRED A, ADRIAN GEORGE/ ALI, AMIN TAH A MIN/ SAAD, SAAD RASHED
THURAYA	RIG FORMAN VSAT	OTHER VSAT	CONTRACTOR/CLERK VSAT
8821677712403	0135722894 ARMCO 4MAN	0138387934 HALL DSV	0135728506 ARAMCO

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
10307	REVERSE CIRC, POH & LD EXCESS RIH 3-7/8" C/O RUN, D/O CMT, P/T LINER, 4" DP, CHANGE UPR, PT BOP'S, M/U DISPLACE TO BRINE, D/O & P/T HYDRO-SEAL & RIH 3-7/8" C/O ASSY.	111 KM FROM DHARAHAN MAIN GATE	18.5 (02/08/2023@1700)	HITH 5769 5818' MD (54.2 FT SHALLOWER) ABAR 6256 6344' MD (42.7 FT SHALLOWER) ARBB 6299 6397' MD (38.4 FT SHALLOWER) ABBR 6347 6462' MD (33.9 FT SHALLOWER) ARBC 6378 6505' MD (34.8 FT SHALLOWER) ABCR 6475 6652' MD (31.8 FT SHALLOWER) ABC4 6520 6744' MD (33 FT SHALLOWER) ARBD 6569 6856' MD (26.7 FT SHALLOWER) PADS 6670 7288' MD (20.5 FT SHALLOWER) BPDS 6673 7316' MD (0.7 FT SHALLOWER) ABD1 6694 7865' MD (17 FT SHALLOWER)	

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %	100
10307	4 1/2	5635	6437	6437	9 5/8	42794279		0		

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
00.5	0500 - 0530	0-1		C	COMP	CIRC	MPMP	RIG	10307	10307			CONTINUED REVERSE CIRCULATE 3 STRING VOLUME W/ 4.5 BPM @ 1,100 PSI. - HAD 13 BBL CEMENT IN RETURNS.
00.5	0530 - 0600	0-1		C	COMP	HT	PEL	RIG	10307	10307			R/D CEMENT LINES AND TOT CEMENT MANIFOLD.
07.0	0600 - 1300	0-1		C	COMP	LDP	STRG	RIG	10307	10307	5635	0	POH TOT RUNNING TOOL WHILE L/D EXCESS DP F/ 5635 FT TO SURFACE.
01.0	1300 - 1400	0-1		C	COMP	HT	PEL	RIG	10307	10307			L/D TOT RUNNING TOOL. L/D TOT CMT MANIFOLD PUP JTS AND X-OVER.
01.0	1400 - 1500	0-1		C	BOP	BOP	RAMS	RIG	10307	10307			CHANGE TOP RAMS FROM VBR TO 2-7/8" PIPE RAMS.
03.5	1500 - 1830	0-1		C	BOP	BOPT	RAMS	RIG	10307	10307			M/U TEST PLUG ASSY, PERFORM COMPLETE BOP P/T AS PER ARAMCO PROCEDURES, L/D TEST PLUG ASSY.
00.5	1830 - 1900	0-1		C	CT	HT	STRG	RIG	10307	10307			R/U 2-7/8" HANDLING EQPT.
03.5	1900 - 2230	0-1		C	CT	LDP	STRG	RIG	10307	10307	0	2398	M/U NEW 3-7/8 PDC (S/N: 13754557-R), BIT SUB, RIH ON 2-7/8" DP T/ 2,398 FT (77 JTS). - MONITOR WELL ON TRIP TANK, WELL STATIC.
00.5	2230 - 2300	0-1		C	CT	HT	STRG	RIG	10307	10307			SWAB FROM 2-7/8" TO 4" HANDLING EQPT.
00.5	2300 - 2330	0-1		C	CT	HT	STRG	RIG	10307	10307			M/U 1 STAND 4" DP, 1 STAND 4" HWDP, 4-3/4" JAR, 2 JTS X 4" HWDP.
02.0	2330 - 0130	0-1		C	CT	TI	STDP	RIG	10307	10307	2398	5535	RIH 3-7/8" C/O ASSY ON 4" DP F/ 2,398 FT T/ 5,535 FT. - MONITOR WELL ON TRIP TANK, WELL STATIC.
00.5	0130 - 0200	0-1		C	CT	RW	BIT	RIG	10307	10307	5535	5685	WASH DOWN THROUGH 4-1/2" TOL F/ 5,535 FT T/ 5,685 FT WITH 78 PCF MUD- 200 GPM / 2,300 PSI.
01.0	0200 - 0300	0-1		C	CT	TI	STDP	RIG	10307	10307	5685	7290	CONTINUE RIH INSIDE 4-1/2" LINER F/ 5,685 FT T/ 7,290 FT.
01.0	0300 - 0400	0-1		C	CT	RW	BIT	RIG	10307	10307	7290	7370	WASH DOWN W/ 200 GPM @ 3,300 PSI F/ 7,290 FT T/ 7,370 FT (TAG TOP OF CEMENT).
00.5	0400 - 0430	0-1		C	CT	RW	BIT	RIG	10307	10307	7370	7545	D/O CMT F/ 7,370 FT T/ 7,545 FT (10 FT ABOVE HYDRO SEAL CEMENT VALVE). - D/O PARAMETERS: 5 - 10 KLB WOB, 250 GPM, 3,300 PSI SPP, 70 RPM, 3,000 / 3,500 FT- LB OFF/ON BTM TQ. - REAM FULL STAND BEFORE CONNECTION. - SWEEP HOLE W/ 20 BBL HVP.
00.5	0430 - 0500	0-1		C	CT	CIRC	MPMP	RIG	10307	10307			SWEEP HOLE W/ 20 BBL HVP, CHC W/ 230 GPM @ 3,500 PSI WHILE REAM FULL STAND.

>> ODF CORRECTION: -14.5'. - TOW @ 5763 FT. - BOW @ 5772 FT.

4-1/2" TOL @ 5635 FT.

#### DIRECTIONAL

\*\* BIT TO SENSORS DISTANCE: ABI: 17.61', AFR: 43.58', GAMMA: 63.35', PWD: 68.68', DIR. DM: 70.94', RES: 81.53', D. ALD: 106.92', POR. CTN: 121.39'.

\*\* DISTANCE FROM PLAN: 19 FT BELOW & 7.1 FT LEFT.

\*\* PROJECTION TO BIT: MD = 10307 FT, INC= 89.30 DEG, AZM = 164.30 DEG.

#### SAFETY

>> HELD PRE-JOB SAFETY MEETING WITH THE CREW.

#### PERSONNEL

>> HALL. DSV: DAY MAHMOUD, NIGHT: HACEN, HALL. SAFETY: ABDULRAHMAN, AHMED.

- HALL. SPT: MOHAMED BAKR ON LOCATION SINCE 2/24/2023.

#### LSTK DIESEL

>> DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) = (DAILY: 30 BBL / CUMULATIVE FOR CURRENT WELL: 624 BBL).

WASTE VACUUM TANKERS: # 4703 DBA, 4272 EJA, 4161 EJA, 4699 SJA, 5258 LRA, 5258 LRA, 2 TRIPS.

WASTE VACUUM TANKER # 7017 ADB, 1 TRIP.

#### NEXT WELLS

ANDR-359, KOM HELD ON 02/12/2023, STRIP OUT 35%, LOCATION 35%.

ANDR-392 KOM HELD ON 12/14/2022, STRIP OUT 0%, LOCATION 55%.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight <b>78</b>	Funnel Vis. <b>56</b>	Filtrate(WL) <b>2</b>	Filtrate (WL) API	PV <b>21</b>	YP <b>16</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>8 / 10</b>	Gels Sec/Min <b>9 / 12</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>	
	FL Temp <b>120</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>16</b>	Oil Vol. % <b>64</b>	Solids Vol. % <b>20</b>	Sand Vol. % <b>0</b>	% LGS	MBT	Mud type <b>OBM</b>	Water Well # <b>ANDR-839</b>		
	Weight <b>78</b>	Funnel Vis. <b>56</b>	Filtrate(WL) <b>2</b>	Filtrate (WL) API	PV <b>21</b>	YP <b>16</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>8 / 10</b>	Gels Sec/Min <b>9 / 12</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>	
	FL Temp <b>120</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>16</b>	Oil Vol. % <b>64</b>	Solids Vol. % <b>20</b>	Sand Vol. % <b>0</b>	% LGS	MBT	Mud type <b>OBM</b>	Water Well # <b>ANDR-839</b>		

MUD TREATMENT	BRZN	CACL2-80	GELTONE											
	12(25KG)	12(2200L)	10(25KG)											
BIT DATA														
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
Miscellaneous	BOP Test <b>02/26/2023</b>	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting <b>PRE-JOB SAFETY MEETINGS, BOP TEST</b>							
	Real-Time Data Quality	Sensors Quality	99%	Data Frequency	100%	Real-Time Hrs	11.49/24 hrs							
Personnel and Services Information	COMPANY	HCM	TGC	RIG	HLH	TOT	ITS	TK1	ARM					Total <b>118</b>
	CATEGORY	BRCR	CTRG	RIG	LHES	LHES	PRS	WSC	WSC					
	NO. OF PERSONS	3	17	87	1	1	4	4	1					
	OPERATING HRS.	6	0	24	12	20	12	24	24					
	ON LOCATION HRS.	10	24	24	24	24	24	24	24					
Trucks/Boats	Standby/Tankers													
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX								
REPAIR ASAP	Instrumentation	Other												Reporter
	Computer, Communication & V-Sat Issues													

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D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ABHD-131 (SIDETRACK SINGLE LATERAL ACROSS ARAB-B)</b> Charge #: <b>(71- 22014- 0131)</b> Wellbores: (0-1-3-2) ABHD_131_6	Rig <b>SINO- 16</b> Foreman(s) <b>RADDADI, FAISAL ABDULLAH/ ALQAHTANI, ABDULLAH HADI/ FALLATAH, ABDULAZIZ</b> Engineer <b>ABDULRAHMAN/</b> Superintendent <b>ABBAS, MUHAMMAD NASSER</b>	THURAYA	RIG FORMAN VSAT <b>008821677713767</b>	CONTRACTOR/CLERK VSAT <b>013-378-2194</b>	013-378-2195
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Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops	
<b>10193</b>	<b>CONT DRILLING 6-1/8"</b> <b>HOLE SECTION WITH SLB</b> <b>MRSS, CHC, POH, L/D SLB</b> <b>DIR BHA.</b>	<b>L/D SLB DIR BHA, PT BOP, P/UP 6-1/8"</b> <b>SLB VORTEX MRSSD BHA, RIH, CONT</b> <b>DRILLING 6-1/8" HOLE SECTION WITH</b> <b>SLB MRSS.</b>	<b>168 KM FROM DH MAIN GATE</b>	<b>19.1</b> (02/08/2023@0300)	<b>MNFR</b> 8084 <b>HITH</b> 8174	
<b>Prev. Depth</b>	<b>10090</b>	<b>Liner Size</b> <b>4 1/2</b>	<b>TOL</b> <b>13600</b>	<b>MD</b> <b>15338</b>	<b>TVD</b> <b>8767</b>	
			<b>Last Csg Size</b> <b>9 5/8</b>	<b>MD</b> <b>69976980</b>	<b>TVD</b> <b>Footage</b> <b>103</b>	<b>Circ %</b> <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
10.0	0500 - 1500	0-1-3-2	6 1/8	N	DRLG	D	RSS	SDM	10090	10193			SLB DIR DRILL 6-1/8" LAT-0-1-3-2 W/ MRSSD/MWD/LWD ASSY FROM 10090' TO 10193' W/ 73 PCF BARITE FREE OBM & 100 % CIRC. - STOP DRILLING DUE LOW DRILLING PERFORMANCE AND DECIDED WITH WORKOVER ENGINEER TO POH AND CHECK.			
02.5	1500 - 1730	0-1-3-2	6 1/8	N	DRLG	CIRC	MPMP	RIG	10193	10193			PUMPED 20 BBL LOW-VIS HI-WEIGHTED PILL & CIRCULATED ONE HOLE CYCLE TILL SHAKER CLEAN WITH 73 PCF OBM.			
01.0	1730 - 1830	0-1-3-2	6 1/8	N	DRLG	OTH	NA	RIG	10193	10193			FLOW CHECK ; STATIC. POH 3 STANDS OF 5" DP AND RACKED BACK ON DERRICK.			
00.5	1830 - 1900	0-1-3-2	6 1/8	N	DRLG	HT	PEL	RIG	10193	10193			CHANGE HANDLING EQUIPMENT TO 4".			
01.0	1900 - 2000	0-1-3-2	6 1/8	N	DRLG	ST	STDPA	RIG	10193	10193	9930	9112	POH WITH/ 6-1/8" SLB DIR MRSS ON 4" HWDP TO 9112' ON ELEVATOR. >> HOLE IN A GOOD SHAPE.			
01.0	2000 - 2100	0-1-3-2	6 1/8	N	DRLG	ST	STDPA	RIG	10193	10193	9112	7801	>> MONITOR WELL THR TT; WELL STATIC. CONTINUE POH WITH/ 6-1/8" SLB DIR MRSS ON 4" DP TO TOW @ 7801' ON ELEVATOR. >> HOLE IN A GOOD SHAPE.			
01.0	2100 - 2200	0-1-3-2	6 1/8	N	DRLG	LOG	LWD	SDM	10193	10193	7801	7773	>> MONITOR WELL THR TT; WELL STATIC. RELOG FROM 7801' TO 7773' @100 FPH AS PER GOC.			
03.5	2200 - 0130	0-1-3-2	6 1/8	N	DRLG	TO	STDPA	RIG	10193	10193	7801	116	PUMP SLUG AND CONTINUE POH WITH/ 6-1/8" SLB DIR MRSS ON 4" DP. >> MONITOR WELL THR TT; WELL STATIC.			
02.0	0130 - 0330	0-1-3-2	6 1/8	N	DRLG	HT	BHA	SDM	10193	10193			POH W/ 6-1/8" SLB DIR MRSS BHA & L/D SAME.REMOVE RADIACTIVE SOURCE. >> MONITOR WELL THR TT; WELL STATIC.			
01.5	0330 - 0500	0-1-3-2	6 1/8	N	DRLG	WO	NA	RIG	10193	10193			WAIT ON WEATHER DUE TO HIGH WINDSTORM.			

\*\* ODF CORRECTION = +5.5 FT.

\*\* WLM TO DPM = -16 FT.

\*\* AL DEPTHS ARE WIRE LINE MEASUREMENT(WLM).

===== ARAMCO PERSONAL =====

>> FRANCIS JAY PURIFICACION RIG CLERK ID# 8046539 ON RIG SINCE JAN 10, 2023.

>> ARAMCO FOREMAN YASER ALAMRI ON RIG SINCE 02/20/2023.

===== RENTAL EQUIPMENT =====

>> 3 X RAW WATER TANKERS#539/521/522- ALGAZI ON LOCATION SINCE JUNE 10, 2021.

>> RECIEVED 4-3/4" OILSERV DRLG JAR S/N: HMJ-475-0012 AT 16:00 HRS ON 02/10/2023.

===== ERP =====

\*\* CONTINGENCY EQUIPMENT ON LOCATION AS PER ERP PREPARATION.

>> 55 PASSENGER EMERGENCY ESCAPE BUS ON LOCATION.

===== CURRENT LOCATION & ADJACENT WELLS STATUS=====

>> AP-32 SITE HAS ONLY SINGLE WELL ABHD-131.

=====NEXT LOCATIONS READINESS=====

>> ABHD-610: KOM DONE ON 01/29/2023; READINESS (0% FIELD SERVCES & 0% WELLSITE).

>> ABHD-611: KOM DONE ON 01/29/2023; READINESS (0% FIELD SERVCES & 0% WELLSITE).

>> ABHD-156: KOM DONE ON 01/29/2023; READINESS (0% FIELD SERVCES & 0% WELLSITE).

>> ABHD-155: KOM DONE ON 01/29/2023; READINESS (0% FIELD SERVCES & 0% WELLSITE).

=====DRILLS & OBB=====

>> REPORTED IN ORBITS: 15 OBB.

>> DRILLS: 0

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>> DAILY DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP): 40 BBLS & CUMMULATIVE PER MONTH OF FEB. 2023 = 797 BBL.

>> DAILY POTABLE WATER CONSUMPTION FOR (RIG+CAMP): 239 BBLS & CUMMULATIVE PER MONTH OF FEB. 2023= 5085 BBL.

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Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS			
0-1-3-2	10193		83.60	102.80		67	8423.15	-621.85		2469.04		2478.1	0.61			
0-1-3-2	10126		83.68	103.20		93	8415.73	-606.87		2404.16		2413	0.59			
0-1-3-2	10033		83.66	103.75		96	8405.47	-585.33		2314.27		2322.8	0.06			
MUD DATA	Weight 73 PCF	Funnel Vis. 55 SEC	Filtrate(WL) 3 HTHP	Filtrate (WL) API	PV 12	YP 17	Electrical Stability 1050 Volts	3/6 RPM 9 / 10	Gels Sec/Min 9 / 11	PH 0	CA PPM 0	CL PPM 0				
	FL Temp 130	Cake HTHP 2	Cake API 0	Water Vol. % 17	Oil Vol. % 66	Solids Vol. % 17	Sand Vol. % 0	% LGS 0	MBT 0	Mud type OBM	Water Well # FDHL-824					
	Weight 73 PCF	Funnel Vis. 55 SEC	Filtrate(WL) 3 HTHP	Filtrate (WL) API	PV 12	YP 18	Electrical Stability 1100 Volts	3/6 RPM 9 / 10	Gels Sec/Min 9 / 11	PH 0	CA PPM 0	CL PPM 0				
	FL Temp 120	Cake HTHP 2	Cake API 0	Water Vol. % 17	Oil Vol. % 66	Solids Vol. % 17	Sand Vol. % 0	% LGS 0	MBT 0	Mud type OBM	Water Well # FDHL-824					
MUD TREATMENT	CAOH2 40(50LB)	EZ-MUL 2(55GL)	GELTONE 15(50LB)	CACO3-25 24(55LB)	CACO3-50 24(55LB)	SOLFLKF 24(55LB)	SOLFLKM 24(55LB)	INVERMUL 2(55GL)	DURATONE 24(55LB)							
BIT DATA																
DRILL STRING	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit			SMT	6.125		6.125	1.25	0.63	3.5 REG				SM2625	
	2	RSS			SDM	6		6	3.64	14.67	3.5 IF	3.5 REG			58182122	
	3	Mud Motor			SDM	5		5	3.75	28.5	3.5 IF	3.5 IF			B0170	
	4	Mud Motor			SDM	4.82		4.82	2.5	8.69	NC-35	3.5 IF			33283	
	5	Measurement While Drilling (MWD)			SDM	5.25		4.75	2.25	32.32	3.5 IF	NC-35			38015SAT	
	6	Measurement While Drilling (MWD)			SDM	5.72		4.83	2.25	1.45	3.5 IF	3.5 IF				
	7	Measurement While Drilling (MWD)			SDM	5.72		4.83	2.25	23.25	3.5 IF	3.5 IF			E9438R	
	8	Filter Sub			SDM	4.75		4.75	2.25	7.39	3.5 IF	3.5 IF			401626-6	
	9	Crossover			RIG	4.875		4.875	2.5	3.7	XT-39	3.5 IF				
	10	Heavy Weight Drillpipe (HWDP)			RIG	4.875	3	4	2.563	92.98	XT-39	XT-39				
	11	Hydro-Mechanical Jar			OJR	4.75		4.75	2.625	30.03	XT-39	XT-39				
	12	Heavy Weight Drillpipe (HWDP)			RIG	4.875	2	4	2.563	62.04	XT-39	XT-39				
	13	Drillpipe			RIG	5.125	279	4	3.34	8813.07	XT-39	XT-39				
Miscellaneous	BOP Test 02/09/2023		BOP Drills			Wind WINDY		Sea N/A	Weather COLD		DSLTA 5610	Safety Meeting				
	Real-Time Data Quality			Sensors Quality			99%	Data Frequency		98%	Real-Time Hrs		10.99/24 hrs			
Personnel and Services Information	COMPANY		SCC	SDM	RIG	OES	ASH	RUE	OJR	ARM	MI2	ARM		Total 82		
	CATEGORY		CTRG	DPDS	RIG	DFMS	FLD	H2S	JST	OTHR	SCS	WSC				
	NO. OF PERSONS		13	4	54	2	3	1	0	2	1	2				
	OPERATING HRS.		0	24	24	12	12	24	24	12	12	24				
	ON LOCATION HRS.		24	24	24	24	24	24	0	24	24	24				
Trucks/Boats	Standby/Tankers AB-6414	3 X WTR TANKERS			DIESEL FOR RIG ENGINE REMAIN=326				WTR REMAINS(RIG/CAMP)= 143 BBL			GASOLINE REMAIN= 20630 LITER				
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX										
REPAIR ASAP	Instrumentation OK		Other											Reporter		
	Computer, Communication & V-Sat Issues															

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ZUML-21 (THE SOLE OBJECTIVE OF 18 THIS WELL IS TO EVALUATE THE HYDROCARBON POTENTIAL IN SAFANIYA- A RESERVOIR)</b> Charge #: <b>(75- 22079- 0021)</b> Wellbores: (0) ZUML_21_0	Rig <b>SINO-</b> Foreman(s) <b>THURAYA</b> Engineer Superintendent	<b>ABDULMOHSEN, AMAR SALEH/ ALHAJRI, SAUD ASKAR/ URAIK, MUHAMMAD FAHD/ REY MARQUEZ, HENRY DAVID/ SHAIJI, OMAR ADNAN</b>
		RIG FORMAN VSAT <b>008821677712582</b> <b>5776159</b>	CONTRACTOR/CLERK VSAT <b>577-6166</b>

Depth	Last 24 hr operations		Next 24 hr plan		Location		Days Since Spud/Comm (Date)		Formation tops	
<b>0</b>	<b>CUT WELLHEAD, SPOT CMT PLUG#2 &amp; RIG RELEASE.</b>		<b>RIG DOWN ON ZUML-21 &amp; RIG MOVE TO ZUML- 32</b>		<b>490 KM F/BATHA ON OMAN HWY T/SINO-18 SIGN BOARD. TURN RIGHT 16 KM SKID ROAD</b>		<b>21.0 (02/05/2023@1700)</b>		<b>DMMM</b>	<b>700</b>
									<b>RUS</b>	<b>1290</b>
									<b>UMER</b>	<b>1840</b>
									<b>SHMR</b>	<b>2950</b>
									<b>SFAR</b>	<b>2990</b>
									<b>KHFJ</b>	<b>3060</b>
									<b>18' DEEPER 19' SHALLOER 53' DEEPER 58' DEEPER 14' DEEPER 16' DEEPER</b>	
Prev. Depth	Liner Size		TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>3210</b>						<b>9 5/8</b>	<b>2960</b>	<b>2960</b>	<b>-3210</b>	<b>100</b>
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth
									Start	End
									Start	End
01.0	0500 - 0600	0		N	BOP	ND	BOP	RIG	3210	3210
00.5	0600 - 0630	0		N	WH	ND	WH	RIG	3210	3210
02.8	0630 - 0915	0		N	WH	ND	WH	RIG	3210	3210
03.2	0915 - 1230	0		N	PA	CMP	SQZ	SCM	3210	3210
00.5	1230 - 1300	0		N	PA	TO	SPDP	RIG	3210	3210
04.0	1300 - 1700	0		N	PA	OTH	NA	RIG	3210	3210
00.0	1700 - 1700	0		S	OT	RELS	NA	RIG	3210	3210
<b>CONT. N/D 13-5/8" 10M BOP AND ALL RELATED EQUIPMENT.</b>										
<b>HPJSM, PTW, JSA, CONFIND SPACE ENTRY, DISCUSS THE JOB PROCEDURES AS PER ARAMCO APPROVED DOC. WITH ALL RIG TEAM AND BOTH RIG WELDERS TO CUT AND N/DN ALL WELL HEAD COMPONENTS SAFELY, PREPARE ALL THE REQUIRED EQUIPMENT, CLEAN, FLUSH &amp; JET THE CELLAR FROM ALL OIL BASE MUD.</b>										
<b>CUT &amp; RETREAVE: *FMC 13-3/8" SOW X 13-5/8"3M, 2 EA X 2" 3M MANUAL GATE VALVES. * FMC 13-5/8" 3M X 11" 3M CSG SPOOL, 2 EA X 2" 3M MANUAL GATE VALVES.</b>										
<b>PERFRON LAST P&amp;A PLUG #1 (500-SURFACE), RIH T/1000', RIG PUMPED 50 BBL'S OF 118 PCF HIVIS PILL, POOH T/500' CIRC. EXCESS HI VIS OUT OK, LINE UP TO SCHL CMT. UNIT. PUMP 20 BBL'S OF WATER, 38 BBL'S OF 118 PCF CMT. FLUSH SURFACE LINE W/2 BBL'S FRESH WATER, POOH TO SURFACE RDN SURFACE LINES.</b>										
<b>POOH W/ 6 STANDS OF 5.5" DP &amp; PERFORM 5 BBL TOP JOB.</b>										
<b>RIG WELDER WELD STEEL COVER AS REQUIRED 13-3/8" OK, WELD 10 FT OF 4-1/2" STEEL PIPE WITH WELL RELEASE NAME AND DATE MARKER, FILL THE CELLAR WITH SWEET SAND OK, RIG RELEASED ON 02/26/2023 @05:00 PM.</b>										
<b>RIG RELEASED FROM WELL ZUML-21 TO WELL ZUML-32 ON 02/26/2023 @17:00.</b>										

**ZUML-21 TO BE DRILLED AS A VERTICAL WELL, TARGETING SAFANIYA-A RESERVOIR AS SOLE OBJECTIVE TO A TOTAL DEPTH OF 3,262 FT (3,004' TVDSS) WHICH IS 150 FT INTO KHAJF MEMBER.**

===== \* 18-5/8" CASING 150 FT PLANNED/ 140 FT ACTUAL.

\* 13 3/8" CASING 1309 FT PLANNED / 1340 FT ACTUAL

\* 9 5/8" CASING 2892 FT PLANNED /2960 FT ACTUAL

\* 7" CASING 3262 FT PLANNED / XX FT ACTUAL

=====POB=====

=====HSE=====

PRE TOUR-SAFETY MEETING TOPICS: DAILY OPERATIONS. / DSLTI = 5554, DSLRI = 414, DRILLS: TRIP DRILL 0, PIT DRILL 1, H2S DRILL 1, BOP DRILL 0, ACCUMULATOR DRILL 0, FIRE DRILLS 0, CONFINED SPACE DRILL 0,

- NEAR MISS# 4449530

=====LITHOLOGY=====

LAST LITHOLOGY: F/2580' TO 2930'100% LIMESTONE

**ZUML 32: 90% READY, LAST VISIT 02/23/23. NEEDS OBM PIT CONSTRUCTED AND PLASTIC LINER INSTALLED, LOCATION NEED TO COMPACTION.**

**ZUML 35: 90% READY AS PER WELL SITES NEEDS OBM PIT CONSTRUCTED AND PLASTIC LINER INSTALLED.**

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
<b>MUD DATA</b>									
MUD TREATMENT									
BIT DATA									
DRILL STRING									
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #									
Miscellaneous	BOP Test	BOP Drills		Wind	Sea	Weather	DSLTA <b>6153</b>	Safety Meeting <b>RIG MOVE</b>	
	<b>02/16/2023</b>								
Real-Time Data Quality		Sensors Quality		99%	Data Frequency	99%	Real-Time Hrs	10.49/24 hrs	
Personnel and Services Information	COMPANY	TGC	RIG	EMC	XLG	SCM	ARM		
	CATEGORY	CTR G	RIG	DFMS	MLS	PCS	WSC		Total <b>112</b>
	NO. OF PERSONS	14	91	1	0	3	3		
	OPERATING HRS.	0	12	12	0	3	12		
	ON LOCATION HRS.	12	12	12	0	12	12		
Trucks/Boats	Standby/Tankers	<b>ARAMCO VEHICLE DH 4880</b>							
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>618</b>	Barite- SX	Bentonite - SX	Cement G- SX <b>1300</b>			
REPAIR ASAP	Instrumentation	Other							
	Computer, Communication & V-Sat Issues								

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Reporter

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(0500-0500) Saudi Aramco

Date <b>MONDAY</b> <b>02/27/2023</b>	Well No (Type) : <b>ZUML-32</b> <b>(THE SOLE OBJECTIVE OF THIS WELL IS TO EVALUATE THE HYDROCARBON POTENTIAL IN MISHRIF RESERVOIR)</b> Charge #: <b>(75- 22079- 0032)</b> Wellbores: (0) ZUML_32_0	Rig <b>SINO-</b> <b>18</b>	Foreman(s) / Engineer / Superintendent
		THURAYA <b>008821677712582</b>	RIG FORMAN VSAT <b>5776159</b> <b>577-6166</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>0</b>	<b>RIG MOVE OPERATIONS: R/D ON ZUML-21. R/U ON ZUML-32</b>	<b>RIG MOVE OPERATIONS: R/D ON ZUML-21. R/U ON ZUML-32</b>	<b>513 KM F/BATHA ON OMAN HWY T/SINO-18 SIGN BOARD. TURN RIGHT 10 KM SKID ROAD</b>	<b>0.0 (@)</b>	
Prev. Depth	Liner Size	TOL MD TVD	Last Csg Size	MD TVD	Footage Circ %

0 0

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
12.0	1700 - 0500	0		M	RM	RM	NA	RIG	0	0			<b>HELD SAFETY MEETING WITH ALL CREW, DISCUSSED RIG MOVE HAZARDS AND LIFTING PROCEDURE.</b> <b>- CONDUCT FALL PROTECTION AWARNESS WITH ALL CREW MEMBERS.</b> <b>- CONDUCT STOP WORK AUTHORITY CAMPAIGN AND REINFORCE THE IMPLEMENTATION.</b> <b>- RIG MOVE EQUIPMENT: 20 LB TRUCKS, 2 FORKLIFT, 5 CRANES.</b> <b>- MOVE DISTANCE: 30 KM SKID RD, 23 KM BLACKTOP RD, TOTAL 53KM.</b> <b>* WAIT ON DAYLIGHT.</b>

ZUML-32 TO BE DRILLED AS A VERTICAL WELL, TARGETING THE HYDROCARBON POTENTIAL IN MISHRIF RESERVOIR OF 3,950 FT (3,703' TVDSS) WHICH IS 51 FT INTO SAFANIYA.

- \* 18-5/8" CASING 100 FT PLANNED/ XXX FT ACTUAL.
- \* 13 3/8" CASING 1161 FT PLANNED / XXXX FT ACTUAL
- \* 9 5/8" CASING 2792 FT PLANNED /XXXX FT ACTUAL
- \* 7" CASING 3950 FT PLANNED /XXXX FT ACTUAL

=POB:

=HSE=

**PRE TOUR-SAFETY MEETING TOPICS: DAILY OPERATIONS. / DSLTI = 5554, DSLRI = 414, DRILLS: TRIP DRILL 0, PIT DRILL 0, H2S DRILL 0, BOP DRILL 0, ACCUMULATOR DRILL 0, FIRE DRILLS 0, CONFINED SPACE DRILL 0,  
- DISCUSSED HSE ALERT: 21-23 FALL FROM DIFFERENT LEVELS DURING RIG MOVE.**

## **LITHOLOGY**

—ENRICO—

## LAST LITHOLOGY:

ZUML 35: 90% READY AS PER WELL SITES NEEDS OBM PIT CONSTRUCTED AND PLASTIC LINER INSTALLED.

#### Remarks

Trucks/Boats	Standby/Tankers					
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX
REPAIR ASAP	Instrumentation	Other				Reporter
	Computer, Communication & V-Sat Issues					

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>UTMN-1315 (SIDETRACK THE WELL AS A SINGLE LATERAL OIL PRODUCER ACROSS ARAB-D 2A)</b>	Rig <b>SINO-19L</b>	Foreman(s) <b>ZEKOUR, NOUREDDINE/ ROMERO RINCON, DAVID LUIS/ ALBLWEI, AHMED JMIAL</b>
Charge #: (71- 23057- 1315) Wellbores: (0- 1) UTMN_1315_1	THURAYA <b>88-216-77712804</b>	RIG FORMAN VSAT <b>577-9603</b>	OTHER VSAT <b>577-9606 838-9395 HALL</b>
			CONTRACTOR/CLERK VSAT <b>577-9605</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>7177</b>	HES WL RUN RDT LOG. TAKE FORMATION PRESSURE POINTS. PUMP OUT & TAKE FORMATION FLUID SAMPLES.	HES WL RUN RDT LOG. PUMP OUT FORMATION FLUID & COLLECT FORMATION FLUID SAMPLES.	3.4 KM S/E FROM GOSP#13	<b>13.6</b> (02/13/2023@1500)	HITH 5516 11.8 FT SHALLOWER (MD @ 5518 FT) ABAR 5980 11.0 FT SHALLOWER (MD @ 5996 FT) ARBB 6023 12.0 FT SHALLOWER (MD @ 6042 FT) ABBR 6087 19.0 FT SHALLOWER (MD @ 6111 FT) ARBC 6110 16.0 FT SHALLOWER (MD @ 6136 FT) ABCR 6211 12.0 FT SHALLOWER (MD @ 6247 FT) ARBD 6319 17 FT SHALLOWER (MD @ 6370 FT) PADS 6470 3.9 FT SHALLOWER (MD @ 6549 FT) BPDS 6475 3 FT SHALLOWER (MD @ 6555 FT) ABD1 6489 4.8 FT SHALLOWER (MD @ 6572 FT) AD2A 6496 5.4 FT SHALLOWER (MD @ 6581 FT) 2A05 6504 5.9 FT SHALLOWER (MD @ 6590 FT) 2A06 6538 6.2 FT SHALLOWER (MD @ 6631 FT) AD2B 6554 4.9 FT SHALLOWER (MD @ 6651 FT) 2B09 6587 5.4 FT SHALLOWER (MD @ 6693 FT) 2B10 6594 4.3 FT SHALLOWER (MD @ 6702 FT) 2B11 6604 18.8 FT SHALLOWER (MD @ 6714 FT) 2B12 6622 10.7 FT SHALLOWER (MD @ 6737 FT) 2B13 6627 9.1 FT SHALLOWER (MD @ 6743 FT) AD3A 6630 8.9 FT SHALLOWER (MD @ 6747 FT) 3A15 6633 7.8 FT SHALLOWER (MD @ 6751 FT) 3A16 6651 2.2 FT SHALLOWER (MD @ 6775 FT) 3A17 6678 6.9 FT SHALLOWER (MD @ 6809 FT) AD3B 6693 7.1 FT SHALLOWER (MD @ 6828 FT) 3B21 6717 8.2 FT SHALLOWER (MD @ 6860 FT) ABD4 6746 6.2 FT SHALLOWER (MD @ 6897 FT) BADR 6809 2.5 FT SHALLOWER (MD @ 6977 FT)

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>7177</b>	<b>7</b>	<b>1924</b>	<b>6490</b>	<b>6490</b>	<b>9 5/8</b>	<b>38333833</b>		<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
12.0	0500 - 1700	0-1	6 1/8	E	LOG	LOG	WLT	HWP	7177	7177	6633	6964	RECORDING PRESSURE POINTS WITH HES RDT LOGGING TOOLS WHILE MOVING DOWNWARDS FROM 6633' TO 6964'. > TOTAL PRESSURE POINTS RECORDED: 36/36 > MONITORED WELL ON TRIP TANK - WELL STATIC > P/U STRING WITHOUT O/P AFTER RECORDING POINTS			
02.5	1700 - 1930	0-1	6 1/8	E	LOG	CIRC	MPMP	RIG	7177	7177			RIH WITH LOGGING TOOLS TO 7100'. CHC WITH 81 PCF OBM & CONDITIONED MUD AT 3.5 BPM & 720 PSI. MW IN = MW OUT = 81 PCF > FLOW CHECK - WELL STATIC.			

04.0	1930 - 2330	0-1	6 1/8	E	LOG	LOG	WLT	HWP	7177	7177	6964	6964	PUMPED OUT FORMATION FLUID WITH RDT LOGGING TOOLS. POINT #1 AT 6964'. > TOTAL FORMATION FLUID PUMPED INTO WELL: 372 LITERS OF OIL, COLLECTED 01 SIMPLE. > MONITORED WELL ON TRIP TANK - WELL STATIC.
04.5	2330 - 0400	0-1	6 1/8	E	LOG	LOG	WLT	HWP	7177	7177	6900	6900	P/U STRING, 17 KLB OP ON DRILL STRING, POOH WITH HES W/L TPL RDT LOGGING TOOLS TO 6900'. PUMPED OUT FORMATION FLUID WITH RDT LOGGING TOOLS. POINT #2 AT 6900'. > TOTAL FORMATION FLUID PUMPED INTO WELL: 198 LITERS OF OIL. > MONITORED WELL ON TRIP TANK - WELL STATIC.
01.0	0400 - 0500	0-1	6 1/8	E	LOG	CIRC	MPMP	RIG	7177	7177			P/U STRING, 3 KLB OP ON DRILL STRING, RIH WITH LOGGING TOOLS TO 7000'. CHC WITH 81 PCF OBM....INC@RPT.

> ODF CORRECTION: -14.5' TOW: 5350 FT, BOW: 5359 FT, KOP: 5367 FT.

===== PERSONAL ON BOARD =====

> LSTK DSV ELSAWY (DAY) / HOSSAM (NIGHT) & KIRAN (HSE) ON SITE.

===== FUEL CONSUMPTION =====

> DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) = (DAILY: 24 BBL / CUMULATIVE FOR CURRENT WELL: 428 BBL).

===== NEXT WELLS =====

>> UTMN-1528 (GOSP-8): KOM HELD ON 01/26/2023. STRIP OUT 100 % & LOCATION 20%.

Remarks

SUN XUEYAN SINO SUPT. VISITED RIG.

Lateral	Survey MD		Angle	Azimuth		CLength		TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight <b>81</b> PCF	Funnel Vis. <b>90</b> SEC	Filtrate(WL) <b>2.4</b> HTHP	Filtrate (WL) API	<b>28</b>	YP	<b>20</b>	Electrical Stability <b>312</b> Volts	3/6 RPM <b>10 / 11</b>	Gels Sec/Min <b>10 / 12</b>	PH <b>0</b>	CA PPM <b>22390</b>	CL PPM <b>39600</b>		
	FL Temp <b>114</b>	Cake HTHP <b>2</b>	Cake API <b>0</b>	Water Vol. % <b>18.4</b>	Oil Vol. % <b>58.2</b>	Solids Vol. % <b>23.4</b>	Sand Vol. % <b>0</b>	% LGS <b>21.8</b>	MBT <b>0</b>	Mud type <b>OBM</b>	Water Well # <b>UTMN-901, UTMN-875</b>				
	Weight <b>81</b> PCF	Funnel Vis. <b>100</b> SEC	Filtrate(WL) <b>2</b> HTHP	Filtrate (WL) API	<b>29</b>	YP	<b>18</b>	Electrical Stability <b>341</b> Volts	3/6 RPM <b>9 / 10</b>	Gels Sec/Min <b>9 / 10</b>	PH <b>0</b>	CA PPM <b>21790</b>	CL PPM <b>39000</b>		
	FL Temp <b>0</b>	Cake HTHP <b>2</b>	Cake API <b>0</b>	Water Vol. % <b>17.6</b>	Oil Vol. % <b>59.1</b>	Solids Vol. % <b>23.3</b>	Sand Vol. % <b>0</b>	% LGS <b>21.7</b>	MBT <b>0</b>	Mud type <b>OBM</b>	Water Well # <b>UTMN-901, UTMN-875</b>				
	MUD TREATMENT														
BIT DATA DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #	
	BOP Test <b>02/12/2023</b>	BOP Drills <b>AS REQUIRED</b>			Wind <b>SEASONALY</b>			Sea <b>NA</b>	Weather <b>SEASONALY</b>		DSLTA <b>4732</b>	Safety Meeting			
Miscellaneous	Real-Time Data Quality		Sensors Quality		99%	Data Frequency		100%	Real-Time Hrs		10.74/24 hrs				
Personnel and Services Information	COMPANY		OTH	RIG	BAR	TK1	ARM	HWP	Total <b>77</b>						
	CATEGORY		CTR G	RIG	DFMS	WSC	WSC	WLS							
	NO. OF PERSONS		<b>15</b>	<b>51</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>6</b>							
	OPERATING HRS.		<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>							
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>							
Trucks/Boats	Standby/Tankers <b>PICK-UP AB-6423</b>		AMBULANCE		CRANE		FORKLIFT								
BULK	Drill Wtr-BBLS		Pot Wtr.- BBLS		Fuel- BBLS		Barite- SX		Bentonite - SX		Cement G- SX <b>900</b>				
REPAIR ASAP	Instrumentation		Other		Computer, Communication & V-Sat Issues										Reporter

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ABQQ-470 (SIDETRACK IN ABDR IN GAS CAP TO HANIFA RESERVOIR (R1-3))</b>	Rig <b>SINO21</b>	Foreman(s) <b>HASSAN, AHMED ATEF / LACHIBI, RYAD / ABDELHADY, MAHMOUD ABDELHADY / ALHAMAM, ABDULLATIF ARIF / HAJRI, ASKAR SAUD</b>
	Charge #: <b>(71- 22050- 0470)</b>	Engineer	
	Wellbores: (0) ABQQ_470_0	Superintendent	<b>THURAYA 008821677712271 5721718</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>11555</b>	<b>R/D ON ABQQ-145, R/M &amp; R/U ON ABQQ-470.</b>	<b>R/D ON ABQQ-145, R/M &amp; R/U ON ABQQ-470.</b>	<b>80 KM FROM DHAHREN MAIN GATE</b>	<b>0.0 (@)</b>	
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %
<b>11555</b>	<b>7</b>	<b>6125</b>	<b>9634</b>	<b>6674</b>	<b>0</b> <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations					
									Start	End	Start	End						
<b>24.0</b>	<b>0500 - 0500</b>	<b>0</b>		<b>N</b>	<b>RM</b>	<b>RM</b>	<b>NA</b>	<b>RIG</b>	<b>0</b>	<b>0</b>			<b>HELD RIG MOVE SAFETY MEETING WITH ALL INVOLVED PERSONEL.</b>					
													<b>&gt;&gt; SAFELY MOVE MAST &amp; SUB-BASE.</b>					
													<b>&gt;&gt; SAFELY MOVE MAIN CAMP.</b>					
													<b>- R/D ON ABQQ-145: 80%.</b>					
													<b>- R/M TO ABQQ-470: 50%.</b>					
													<b>- R/U ON ABQQ-470: 30%.</b>					
													<b>** RIG MOVE DISTANCE: 18 KM.</b>					
													<b>** TIME SINCE RIG RELEASE: 3 DAYS &amp; 8 HRS.</b>					
													<b>&gt;&gt; ABQQ-470 : SIWHP=0 PSI (WRSSV @ 256'), PRESSURE GAUGE INSTALLED ON CROWN VALVE FOR SSSV MONITORING AND CHECKING WELLHEAD PRESSURE; NO PRESSURE BUILD UP.</b>					

===== SAFETY =====

**>> HELD RIG SAFETY MEETING WITH ALL PERSONNEL.**

===== DIESEL CONSUMPTION =====

**>> DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) = (DAILY: 8 BBL / CUMULATIVE FOR CURRENT WELL: 42 BBL).**

===== NEXT WELLS =====

**>> ABQQ-440 KOM DONE ON 11/09/2022, STRIP OUT : 0%, WELLSITE : 0% (RESTRICTED AREA).**

**>> ABQQ-471 KOM DONE ON 02/02/2022, WAIT ON 2ND KOM.**

Remarks

**>> SAWOD DIV#3 SUPT. ASKAR AL-HAJRI VISIT LOCATION, DISCUSSED RIG MOVE OPERATION, WELL CONTROL & SAFETY TOPICS.**

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS				
<b>MUD DATA</b>													
<b>MUD TREATMENT</b>													
<b>BIT DATA</b>													
<b>DRILL STRING</b>													
<b>Miscellaneous</b>													
BOP Test		BOP Drills		Wind		Sea	Weather	DSLTA					
				<b>NORMAL</b>		<b>N/A</b>	<b>SAISONAL</b>	<b>4161</b>	Safety Meeting				
Real-Time Data Quality							<b>No Transmission</b>						
<b>Personnel and Services Information</b>													
<b>COMPANY</b>		<b>RIG</b>	<b>GDF</b>	<b>ASH</b>	<b>SNS</b>	<b>ARM</b>	<b>ARM</b>	<b>Total 85</b>					
<b>CATEGORY</b>		<b>RIG</b>	<b>DFMS</b>	<b>FLD</b>	<b>H2S</b>	<b>OTHR</b>	<b>WSC</b>						
<b>NO. OF PERSONS</b>		<b>77</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>2</b>						
<b>OPERATING HRS.</b>		<b>24</b>	<b>24</b>	<b>12</b>	<b>24</b>	<b>12</b>	<b>24</b>						
		<b>ON LOCATION HRS.</b>											
<b>Standby/Tankers</b>		<b>SINO AMBULANCE</b>			<b>3 X RAW WATER TANKERS</b>								
<b>BULK</b>		Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX						
<b>REPAIR ASAP</b>		Instrumentation		Other									
Computer, Communication & V-Sat Issues													

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>QTIF-419 (SINGLE LATERAL ARAB-A OIL PRODUCER WITH A PILOT HOLE)</b> Charge #: <b>(66- 22012- 0419)</b> Wellbores: (1) QTIF_419_1	Rig <b>SINO-22</b> Foreman(s) Engineer Superintendent	<b>MAHMOUD, MOHAMED HAMDY/ ZEWITA, ABDELHALIM ELKHAMISI/ ALGHOFAILI, MOHAMMED IBRAHAIM/ ELDEEB, TAREK ABD ALLA</b>
		THURAYA	RIG FORMAN VSAT <b>008821677711349</b>
		CONTRACTOR/CLERK VSAT <b>6736632</b>	<b>6739370</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>11065</b>	R/D SLB WL, RIH SDM 6-1/8" RSS CONT. DRILL 6-1/8" BHA, RELOG, D/O REMAINING SHOE TRACK, DRLG 6-1/8" HOLE +/-16,646' MD/6810' T/11,065'.	DIR HOLE TO TD @ TVD.	<b>QATIF, NPD#13</b>	<b>81.4</b> (12/07/2022@1830)	<b>BYDH 5035 5189' MD AS PER GOC. BUWB 5497 5694' MD SULY 5923 6190' MD AS PER GOC MNFR 6422 7033' MD AS PER GOC HITH 6466 7150' MD AS PER GOC ARAB 6798 10216' MD AS PER GOC ABAR 6815 10883' MD AS PER GOC</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>11044</b>					<b>7</b>	<b>110426823</b>		<b>21</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
01.2	0500 - 0615	1	8 1/2	N	DRLG	OTH	NA	SWL	11044	11044			CONT. POOH SLB GUN ASSY TO SURF & L/D SAME. - CHECKED GUN @ SURF, ALL GUN SHOTS FIRED. - MONITOR WELL THRU TRIP TANK, STATIC.
02.0	0615 - 0815	1	8 1/2	N	BOP	ND	SNIP	RIG	11044	11044			HPJSM, R/D SURFACE KILL LINE, E/L BOP & PACK-OFF, WL SHEAVES & N/D SHOOTING NIPPLE.
01.5	0815 - 0945	1	8 1/2	N	BOP	NU	BNIP	RIG	11044	11044			N/U BELL NIPPLE & CONNECT FLOWLINE.
04.0	0945 - 1345	1	8 1/2	N	DRLG	HT	BHA	SDM	11044	11044			HPJSM, P/U & M/U SDM 6 1/8" RSS/MWD/LWD/NMR BHA, ON 6 1/8" NEW REED PDC BIT (TYPE: TK63M1A, S/N: S297916), 15 JTS 4" HWDP. - HPJSM & LOAD R/A SOURCE,
00.5	1345 - 1415	1	8 1/2	N	DRLG	PJSM	NA	RIG	11044	11044			HELD STAND DOWN MEETING WITH RIG CREW & SERVICE PERSONNEL; DISCUSSED SWA, PTW, FINGER INJURY CAUSES & PREVENTION. - DISCUSSED HSE ALERT 77-22 - FINGER INJURY WHILE WORKING WITH AUTOMATED CATWALK PLATFORM.
00.8	1415 - 1500	1	8 1/2	N	DRLG	TI	STDP	RIG	11044	11044	627	2000	RIH SDM 6 1/8" RSS/MWD/LWD/NMR BHA ON STD'S OF 4" DP TO 2,000'.
01.2	1500 - 1615	1	8 1/2	N	DRLG	CIRC	MPMP	RIG	11044	11044			SHALLOW TEST SDM MWD TOOLS WITH 250 GPM @ 1,900 PSI, OK.
01.2	1615 - 1730	1	8 1/2	N	DRLG	RR	TDS	RIG	11044	11044			PRECAUTIONARY CHANGE TDS WASH PIPE (100 ROTATING HR) & P/T SURF LINES T/ 3,000 PSI, OK.
05.5	1730 - 2300	1	8 1/2	N	DRLG	TI	STDP	RIG	11044	11044	2000	10870	CONT. RIH SDM 6 1/8" RSS/MWD/LWD/NMR BHA ON STD'S OF 4" DP TO 10870'. - FILL UP & CHECK SDM TOOLS SIGNAL EVERY 20 STD'S, OK. - MONITOR WELL ON TRIP TANK & TRIP SHEET ALL THE TIME, WELL STATIC.
01.2	2300 - 0015	1	8 1/2	N	DRLG	LOG	LWD	SDM	11044	11044	10870	10920	DLINK, CHECK TOOLS, RELOG FROM 10870' TO 10920 AS PER GOC REQUEST.
00.5	0015 - 0045	1	8 1/2	N	DRLG	PJSM	NA	RIG	11044	11044			HELD STAND DOWN MEETING WITH RIG CREW & SERVICE PERSONNEL; DISCUSSED SWA, PTW, FINGER INJURY CAUSES & PREVENTION. - DISCUSSED HSE ALERT 77-22 - FINGER INJURY WHILE WORKING WITH AUTOMATED CATWALK PLATFORM.

01.2	0045 - 0200	1	8 1/2	N	DRLG	LOG	LWD	SDM	11044	11044	10920	11010	CONT. RELOG FROM 10920' MD TO 11010' MD AS PER GOC REQUEST.
02.0	0200 - 0400	1	8 1/2	N	DRLG	DC	RSS	SDM	11044	11044	11010	11044	D/O REMAINING 30' HARD CMT, 7" REAMER SHOE, CLEARED RAT HOLE TO 11,044'. - CONFIRM SMOOTH PASS 3 TIMES FROM REAMER SHOE.
01.0	0400 - 0500	1	6 1/8	N	DRLG	D	RSS	SDM	11044	11065			DRLG 6-1/8" HOLE SECTION WITH SDM RSS/MWD/LWD/NMR WITH 85 PCF WBM & 100% CIRC. - CONTROLLED DRLG PARAMETERS TILL BHA PASS 7" CSG SHOE.

**\*0 M: 30 PPM RER, 0 M: 100 PPM RER, 450 M: 1/2 LFL RER.**

## **-----OBJECTIVE-----**

- \* QTIF-419 WILL BE DRILLED AND COMPLETED FROM DRILL SITE NPD-13 AS A SINGLE LATERAL ARAB-A OIL PRODUCER RESERVOIR WITH A PILOT HOLE TO BASE OF LFDL. TOTAL FOOTAGE TO BE DRILLED IS +/- 20,494 FT (L-0 TD AT 10,029 FT-MD, L-1 TD AT 16,037).
  - \* THIS WELL WILL BE DRILLED USING SULAIY OPEN METHOD. THE 6-1/8" HOLE SECTION WILL BE DRILLED ACROSS ARAB-A RESERVOIR TO TD, WHILE SULAIY IS OPEN (7" CSG PERFORATED) TO REDUCE RER VALUES IN CASE OF UN-CONTROLLED HYDROCARBON FLOW, SULAIY WATER WILL OVERFLOW / DILUTE THE RESERVOIR FLUIDS.
  - \* NO EXISTING WELLS IN SAME SITE (NPD-13).
  - \* 3 WELL-SLOTS ARE BARRICADED WITH CONCRETE BLOCKS.

-----SAFETY-----

- \* ACCUMULATOR DRILL: 0 H2S DRILL: 0, FIRE DRILL: 1, VERTICAL RESCUE DRILL: 0, PIT DRILL: 2, TRIP DRILL: 1, CONFINED SPACE RESCUE DRILL:0, OIL SPILL DRILL:

- \* PTW: 10 & JSA: 10.

- \* REPORTED OBSERVATIONS IN SLS: NONE

- \* REPORTED NM: NONE

- \* DISCUSSED SAFETY ALERTS: NONE

- \* STARTED FINGER INJURY AWARENESS CAMPAIGN FOR THREE WEEKS.

**-----PERSONNEL ON LOCATION-----**

- MATERIAL EXPEDITOR - ABDULRAHMAN ALMUHRIJ (#8458060) ON LOCATION SINCE 2/13/2023.

-----ERP-----

- ## **SERVICE COMPANIES**

---

- \* 1 SCOMI MUD ENGINEERS ON LOCATION.

- \* HALL MUD LOGGING ON LOC & COMPLETE R/U ON DEC 29 @ 16:00.

- \* FIREFLY SYSTEM ON LOCATION SINCE DEC 30 @ 8:00 FOR POPULATED AREA REQUIREMENT.**

- \* RAWABI STANDALONE H2S SENSORS ON LOCATION SINCE DEC 26 @ 13:00 FOR POPULATE

- \* NPS KILL PUMP ON LOC.

- \* SLB DIR CREW ON LOC.

\* HALL RTTS PKR ASSY & SERVICE HAR

- #### **-----DIRECTIONAL-----**

- FOLLOW DIRECTION PLAN: QTIF-419 L1 P7 14FEB23 SMA

- PROJ. AT BTM FORM DIR. PLAN: 14.9' BELOW / 11.9' LEFT/ C.C: 19'.

-----WHIPSTOCK-----

- \* NONE.

-----TOOLS & RENTAL EQUIPMENT-----

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## RIG VISIT

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#### Remarks

DRILL STRING	BHA Hrs:																		
	String Wt.	Pick Up	Slack Off		Rot. Torque			Jars: Serial #/Hrs			/	Shock Sub:	/	Mud Motor:	/				
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class				
	1	Bit			REED	6.125	1	6.125	0	0.54	3.5" REG		0		S297916				
	2	RSS			SDM	6	0	6	0	12.91	3 1/2 IF		0		75445031				
	3	Non Magnetic Drill Collar (NMDC)			SDM	4.75	1	4.75	2.8	9.27	3.5" IF		0						
	4	Logging While Drilling (LWD)			SDM	4.75	1	4.75	1.75	8.64	3.5" IF		0						
	5	Logging While Drilling (LWD)			SDM	4.82	3	4.82	2.5	31.15	3.5" IF								
	6	Measurement While Drilling (MWD)			SDM	5.25	1	5.25	0	33	3.5" IF		0						
	7	Logging While Drilling (LWD)			SDM	5.7	1	5.7	0	39	3.5" IF		0						
	8	Logging While Drilling (LWD)			SDM	5.75	1	5.75	0	24	3.5" IF		0						
	9	Non Magnetic Drill Collar (NMDC)			SDM	4.75	1	4.75	2.5	27.27	3.5" IF				V1331				
	10	Stabilizer			SDM	5.75	1	5.75	0	4.64	3.5" IF		0						
	11	Filter Sub			SDM	4.65	1	4.65	0	7.74	3.5" IF		0						
	12	Crossover			SDM	4.75	1	4.75	0	2.34	XT-39		0						
	13	Heavy Weight Drillpipe (HWDP)			RIG	4	15	4	0	456.78	XT-39		0						
	14	Drillpipe			RIG	4	0	4	0	0	XT-39		0						
Miscellaneous	BOP Test		BOP Drills		Wind		Sea		Weather		DSLTA		Safety Meeting						
	02/22/2023		02/22/23		NORMAL		N/A		SEASONAL		4125		TFS / DAILY OPERATION						
Personnel and Services Information	Real-Time Data Quality			Sensors Quality			99%	Data Frequency			98%	Real-Time Hrs		10.99/24 hrs					
	COMPANY		HCB	TGC	SDM	RIG	GDF	RUE	HMS	RIG	ARM	OTH	ARM	SWL	Total 97				
	CATEGORY		BRCR	CTR G	DPDS	RIG	DFMS	H2S	MLS	OTHR	OTHR	VAC	WSC	WLS					
	NO. OF PERSONS		0	16	4	53	1	1	4	5	1	3	2	7					
	OPERATING HRS.		0	0	18	24	24	24	24	0	0	10	24	2					
	ON LOCATION HRS.		0	24	24	24	24	24	24	24	24	24	24	5					
Trucks/Boats	Standby/Tankers			RIG AMBULANCE			RIG 55-SEATER EMERGENCY BUS												
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX													
REPAIR ASAP	Instrumentation		Other		Computer, Communication & V-Sat Issues										Reporter				

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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date	MONDAY 02/27/2023	Well No (Type) :	MNIF-153 (ESP-PDHMS CHANGE-OUT)	Rig	Foreman(s)	ISTRE JR. RODNEY JAMES/ DES ETAGES, ANTHONY MICHAEL/ ALZAHRAINI, SHAIG HASSAN/ ABBAS, MUHAMMAD NASSER		
Charge #:	(61- 22026- 0153)	Wellbores:	(0) MNIF_153_0	SINO-25	Engineer Superintendent	RIG FORMAN OTHER VSAT CONTRACTOR/CLERK CONTRACTOR/CLERK THURAYA VSAT VSAT VSAT +8821677712340 379-5683 880-5390 379-5685 379-5688		
Depth	Last 24 hr operations	Next 24 hr plan		Location	Days Since Spud/Comm (Date)	Formation tops		

19846	R/M & R/U ON MNIF-153, COMMENCE OPERATIONS, KILL WELL, SL WORK PUNCH TUBING, BULLHEAD TCA-TBG, HALL SL SET BARRIER.	N/D X-TREE & BNT, N/U & PT BOPE, SL WRK, RELEASE PACKER, POOH L/D OLD APC ESP-HALL PDHMS COMPLETION.	250 KM FROM DH MAIN GATE (DS-11 ).	0.7 (02/26/2023@1300)	
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Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
19846	7	7953	16670	8332	9 5/8	82756787		0	0

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
08.0	0500 - 1300 0			N	RM	RU	NA	RIG	19846	19846			R/D ON MNIF-202 DS-11, R/M & R/U ON MNIF-153 DS-6. ( COMPLETE )  -> R/D ON WELL MNIF-202 ( 100%). -> R/M TO WELL MNIF-153 ( 100 %). -> R/U ON WELL MNIF-153 ( 100 %).  -> ALL SAFETY EQUIPMENT IN PLACE & TESTED. -> PRE-COMMENCE CHECK LIST COMPLETE.
00.0	1300 - 1300 0			S	OT	COMM	NA	RIG	19846	19846			COMMENCE OPERATIONS ON MNIF-123 @ 13:00 ON 02/26/2023.
00.5	1300 - 1330 0			N	DCOM	SDR1	NA	RIG	19846	19846			PERFORM FULL MUSTER H2S DRILL, GOOD RESPONSE FROM ALL.
00.5	1330 - 1400 0			N	DCOM	OTH	NA	RIG	19846	19846			HPJSM, CONTINUE MIXING 2000 BBLS 70 PCF NACL VIS BRINE.
01.5	1400 - 1530 0			N	DCOM	OTH	NA	RIG	19846	19846			HPJSM, LINE UP CHOKE MANIFOLD TO THE WELLHEAD THROUGH TBG & TCA.  -> FLUSH AND PT LINES FROM WELLHEAD TO CHOKE MANIFOLD T/2500 PSI. ( GOOD TEST ). -> PT FLARE LINES T/1200 PSI WITH WATER, ( GOOD TEST ). -> CHECK & RECORD TBG = 380 PSI, TCA = 0 PSI, CCA (9-5/8" X 13-3/8") = 0 PSI. -> WING VALVE HEIGHT 5.99", DIRECTION EAST & OPERATING VALVE NORTH.
03.0	1530 - 1830 0			N	DCOM	KILL	MPMP	RIG	19846	19846			HPJSM, BULLHEAD TBG W/ 50 BBLS HVP FOLLOWED BY 900 BBLS 70 PCF NACL VIS BRINE AS PER DCCP.  -> MAX 810 PSI @ 5 BPM, MONITOR TCA=0 PSI, CCA=0 PSI. -> 15 MINUTE FLOW CHECK TUBING ON VACUUM.
01.5	1830 - 2000 0			N	DCOM	PTST	MPMP	RIG	19846	19846			HPJSM, PT TCA TO 1000 PSI FOR 30 MIN ( ON CHART) GOOD PT.  -> PT TBG BONNET TO 1500 PSI, GOOD PT. -> BEGIN R/U HALL SLICK-LINE.
01.0	2000 - 2100 0			N	DCOM	PTST	LUB	HSL	19846	19846			HPJSM, FINISH R/U HALL SL, PT LUB T/ 2000 PSI-OK.
03.0	2100 - 0000 0			N	DCOM	DTU	DRFT	HSL	19846	19846			HPJSM, HALL SL PERFORM THE FOLLOWING:  -> HALL SL RUN 3.7" GAUGE CUTTER, TAG R-NIPPLE @ 5952' (SL DEPTH) -> POOH & L/D GAUGE CUTTER. -> HALL SL RUN 4-1/2" HALL DPU PUNCH, PUNCH TBG @ 5740' (SL DEPTH). -> POOH & L/D HALL DPU, BEGIN BULLHEADING TCA @ 304 BPM - 620 PSI WHILE SL POOH. -> FLUID LEVEL @ 900'.
02.5	0000 - 0230 0			N	DCOM	KILL	MPMP	RIG	19846	19846			HPJSM, CONTINUE BULLHEADING TCA W/ 420 BBLS 70 PCF NACL VIS BRINE @ 4 BPM/ 850 PSI.  -> BULLHEAD TBG W/ 50 BBLS HV - 400 BBLS 70 PCF BRINE 6 BPM/ 560 PSI. ( WELL DEAD ) AS PER DCCP
02.5	0230 - 0500 0			N	DCOM	SET	PLUGT	HSL	19846	19846			HPJSM, HALL SL RIH W/ 3.42" INTERWELL ME PLUG AND SET @ 5780' (SL DEPTH),  -> FLUID LEVEL @ 900'. -> POOH, L/D RUNNING TOOL. -> PT ME PLUG & 9-5/8" CASING ABOVE THE PACKER T/ 1000 PSI 20 MIN ON CHART, GOOD TEST. -> R/D GDMC SL.

### MNIF-153

- ODF CORRECTION =

=====

- DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) = (DAILY: 48 BBLS / CUMULATIVE FOR MONTH OF FEB. 1532 BBLS.

=====

- ARAMCO FCT: NAWAF ALZAIDI ID#791041 ON LOCATION FROM 02/13/2023.

- RIG CLERK: MOHD IRFAN ID # 8038825 SEGIA GULF ON LOCATION.

- HSE ADVISOR GOWRI SHANKAR ADAPA ID 8525313 ON LOCATION (CEHA, LGS, HAZCOM & DOMS). 02/20/2023.

=====

- HOLD DAILY SAFETY MEETING WITH RIG CREW AND THIRD PARTIES.

===== ERP =====

\*\* CONTINGENCY EQUIPMENT ON LOCATION AS PER ERP REQUIREMENTS \*\*

- STAGING AREA #1 (4.5 KM SOUTH OF LOCATION) AND STAGING AREA #2 (3.5 KM NORTH OF LOCATION).
- 55 PASSENGER EMERGENCY ESCAPE BUS ON LOCATION.
- 55 PASSENGER EMERGENCY ESCAPE TEMPSC WATER VESSEL.
- RAWABI H2S MONITORING PACKAGE ON LOCATION & CONTINUOUSLY MONITORING.

===== ADJACENT WELLS STATUS =====

- NO SIMOPS OPERATION ON DS-6, (9 WELLS ADJACENT).
- ADJACENT WELLS: MNIF-150 / 151 / 152 / 154 / 155 / 156 / 157 / 158 / 159.
- ALL ADJACENT WELLS ARE SHUT-IN & ISOLATED, ALL X-TREE VLV & TRSSSV ARE CLOSED.
- ALL UPSTREAM LINES, HEADER LINES SECURED & BARRICADED.

===== NEXT LOCATIONS READINESS =====

- HELD KOM FOR MNIF-324 / DS-23 ON 12/15/2022 (FIELD SERVICES 90 % / WELL SITE 70 %).
- HELD KOM FOR MNIF-171 / DS-8 ON 12/15/2022 (FIELD SERVICES 50 % / WELL SITE 70 %).
- HELD KOM FOR MNIF-209 / DS-11 ON 09/12/2022 (FIELD SERVICES 100 % / WELL SITE 100 %).

===== DRILLS & OBB REPORTED =====

- DRILLS PERFORMED: 1 \* H2S DRILL
- OBB REPORTED: 18.

===== JARS & RENTAL TOOLS =====

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS	
MUD DATA	Weight <b>70</b>	PCF	Funnel Vis. <b>27</b>	SEC	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>10</b>	CA PPM <b>0</b>	CL PPM <b>116000</b>
	FL Temp <b>75</b>		Cake HTHP <b>0</b>		Cake API <b>0</b>	Water Vol. % <b>96</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>4</b>	Sand Vol. % <b>0</b>	% LGS	MBT <b>0</b>	Mud type <b>NACL</b>	Water Well # <b>SEA</b>	
	Weight <b>70</b>	PCF	Funnel Vis. <b>27</b>	SEC	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>10</b>	CA PPM <b>0</b>	CL PPM <b>116000</b>
	FL Temp <b>75</b>		Cake HTHP <b>0</b>		Cake API <b>0</b>	Water Vol. % <b>96</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>4</b>	Sand Vol. % <b>0</b>	% LGS	MBT <b>0</b>	Mud type <b>NACL</b>	Water Well # <b>SEA</b>	
MUD TREATMENT	<b>CAUST</b>	<b>NACL</b>	<b>UTG-XG</b>		<b>20</b> (50LBP)	<b>58</b> (2200L)	<b>8</b> (55LB)							
BIT DATA														
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
Miscellaneous	BOP Test	BOP Drills		Wind <b>NORMAL</b>	Sea <b>NA</b>	Weather <b>SEASONAL</b>		DSLTA <b>4112</b>	Safety Meeting <b>PJSM / PRE-TOUR</b>					
	Real-Time Data Quality						No Transmission							
Personnel and Services Information	COMPANY		TGC	RIG	BDF	RUE	PEW	ARM	HSL	ARM	KSC	INW		Total <b>118</b>
	CATEGORY		CTR G	RIG	DFMS	H2S	MEON	OTHR	SLS	WSC	ALS	BRCR		
	NO. OF PERSONS		<b>14</b>	<b>65</b>	<b>1</b>	<b>2</b>	<b>24</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>5</b>	<b>1</b>		
	OPERATING HRS.		<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>6</b>	<b>24</b>	<b>0</b>	<b>3</b>		
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>8</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>20</b>	<b>19</b>		
Trucks/Boats	Standby/Tankers													
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS		Fuel- BBLS <b>404</b>		Barite- SX <b>6</b>		Bentonite - SX <b>0</b>		Cement G- SX <b>0</b>				
REPAIR ASAP	Instrumentation	Other												Reporter
	Computer, Communication & V-Sat Issues													

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 (0500-0500) Saudi Aramco

Date	Well No (Type) :	Rig	Foreman(s)
MONDAY 02/27/2023	UTMN-1730 (FIX 7" CASING LEAK )	SINO-26	OSAIMI, SALEH SULAIMAN/ NOFAL, AHMED MOKHTAR/ RADWAN, ASHRAF ADEL/ BAIKELOV, CHINGIZ/ SAAD, SAAD RASHED
Charge #:	(61- 23057- 1730)		
Wellbore: (0) UTMN_1730_0			
		RIG FORMAN VSAT	OTHER VSAT
		008821677713973 (013)-577-5479	0138114917/EXT-101/RIGMGR 0138114917/EXT-102/CLINIC (013)-577-5241

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
7223	COMMENCED OPERATION AT 09:00 AM, RETRIEVED 7" ME RIH W/ 5 1/8" POLISH ASSY., WORK ON 4 UTMN-1730 PLUG, BULLHEAD THE WELL & FC, N/D TREE, N/U BOP AND PT SAME, M/U 5-1/8" POILSH ASSY.	1/2" TBR, CIRC , POOH AND L/D MILLS, PU 3 7/8" CLEAN OUT ASSY.		0.8 (02/26/2023@0900)	

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %	100
7223	4 1/2	6601	7220	7140	9 5/8	43584358	0			

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
04.0	0500 - 0900	0		N	RM	RU	NA	RIG	7223	7223			HELD SAFETY MEETING WITH ALL PERSONNEL INVOLVED IN RIG MOVE OPERATION.			
													- R/D 100%, R/M 100%, R/U 100%.			
													- RIG MOVE DISTANCE: 103 KM.			
													>> PT BOP ON STUMP AS PER ARAMCO STANDARD.			
													>> PT CHOCKE MANIFOLD 300/3000 PSI.			
													>> COMPLETE PRE-SPUD CHECK LIST.			
00.0	0900 - 0900	0		S	OT	COMM	NA	RIG	7223	7223			COMMENCE OPERATIONS @ 09:00 HR ON FEB- 26-2023.			
01.0	0900 - 1000	0		N	WH	PTST	TREE	RIG	7223	7223			HPJSM, HOOK UP KILL LINE TO TREE WING VALVE & PT SAME TO 2000 PSI, CHECKED WELL HEAD PRESSURES FOUND ZERO.			
													MARKED WELLHEAD.			
													- PWI TREE: DISTANCE FROM WING VALVE TO GROUND: 3.39', WING VALVE TO EAST (ENGINE SIDE), OPERATING VALVE FACING WEST (CATWALK SIDE).			
													- RIG FLOOR TO GL = 34.5 FT.			
													- ODF CORRECTION = -3.8 FT.			
													- WHP = 0 PSI, CCA PRESSURE ZERO PSI.			
01.0	1000 - 1100	0		N	DCOM	RTRV	PLUGT	HSL	7223	7223			HPJSM, RU HALL. S/L PCE, PT LUBRICATOR TO 2000 PSI AGAINST 10" MASTER VALVE, HOLD			
03.0	1100 - 1400	0		N	DCOM	RTRV	PLUGT	HSL	7223	7223			HALL. S/L RIH W/ 6" INTERWELL G.S TOOL, LATCHED & RETRIEVED 7" ME PLUG AT 2505', POOH AND R/D HALL. SL EQ.			
01.5	1400 - 1530	0		N	KILL	KILL	MPMP	RIG	7223	7223			BULLHEAD THE WELL WITH 500 BBL'S 86 PCF NaCl/CaCO3 KILL MUD WITH 6 BPM/1100 PSI			
													> NO BUILD UP IN CCA'S PRESS. WHILE BULLHEADING			
01.0	1530 - 1630	0		N	KILL	CIRC	MPMP	RIG	7223	7223			FLOW CHECKED THE WELL, STATIC			
01.5	1630 - 1800	0		N	WH	ND	TREE	RIG	7223	7223			CLOSED 10" BALL VALVE, DIG 2 FT IN CELLAR AROUND WELLHEAD.			
													> VISUALLY CHECK L.B & CSG - ALL OK.			
													> FOUND 18 5/8" CSG. SEAL WELDED			
													> MONITOR THE WELL THRU 2" WING VALVE, WELL STATIC			
06.0	1800 - 0000	0		N	BOP	NU	BOP	RIG	7223	7223			HPJSM, NU BOPE ON 2 SECTIONS & RELATED HARD LINES, FUNCTION TESTED SAME, OK.			
03.0	0000 - 0300	0		N	BOP	BOPT	BOP	RIG	7223	7223			HPJSM, MU TEST ASSY, PT BOP'S, KILL LINE, CHOCKE LINE, EMERGENCY & SECONDARY KILL LINE TO 300/2550 PSI AS PER ARAMCO STANDARD			
													- L/D TEST ASSY.			
02.0	0300 - 0500	0		N	CT	LDP	STRG	RIG	7223	7223	0	800	M/U 5-1/8" CP MILL ASSY & RIH ON 4" HWDP/DP'S PU FROM RACK. INC.. @ RT.			

> ODF CORRECTION = -3.8 FT

=====SAFETY=====

> HELD DAILY SAFETY/ OPERATIONAL/ RIG MOVE MEETINGS WITH ALL INVOLVED PERSONNEL.

=====WELL ON LOCATION SUPPORT=====

> 3 WATER TANKERS ON LOCATION.

===== FUEL CONSUMPTION =====

> DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) = (DAILY: 30 BBLS / CUMULATIVE FOR CURRENT WELL: 71 BBLS).

===== PERSONNEL ON LOCATION =====

> ARAMCO CLERK ALSHEHRI, ABDULLAH ID#818531 ON LOCATION SINCE 02/19/2023.

=====NEXT WELLS=====

> UTMN-1682 KOM HELD ON 01/31/2023. STRIP OUT 100%, LOCATION 0%.

> UTMN-199 KOM HELD ON 02/01/2023. STRIP OUT 0%, LOCATION 0%. NEED SECUREMENT TO INSTALL THE CELLAR.

> UTMN-615 KOM HELD ON 02/14/2023. STRIP OUT 0%, LOCATION 0%. NEED SECUREMENT TO INSTALL THE CELLAR.

> UTMN-177 KOM HELD ON 01/25/2023. STRIP OUT 0%, LOCATION 0%. NEED SECUREMENT TO INSTALL THE CELLAR.

> UTMN-435 KOM HELD ON 02/14/2023. STRIP OUT 0%, LOCATION 0%. NEED SECUREMENT TO INSTALL THE CELLAR

Remarks

Lateral	Survey MD		Angle		Azimuth		CLength		TVD		N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS				
MUD DATA	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM	Total							
	86 PCF	57 SEC	0 HTHP	API	26	24	Volts	6 / 7	7 / 9	9.5	0	140000								
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	WBM-NAC	UTMN-1608								
	0	0	0	75	25	0	18.4	0		PH	CA PPM	CL PPM								
MUD TREATMENT	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	0	140000								
	86 PCF	62 SEC	0 HTHP	API	27	26	Volts	6 / 7	7 / 9	10	0	140000								
BIT DATA	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	WBM-NAC	UTMN-1608								
	0	0	0	75	25	0	18.4	0		PH	CA PPM	CL PPM								
DRILL STRING	BOP Test	BOP Drills		Wind	Sea	Weather	DSLTA		Safety Meeting											
	02/25/2023						3730													
Miscellaneous	Real-Time Data Quality								No Transmission											
Personnel and Services Information	COMPANY	TGC	RIG	EMC	ASH	RIG	ARM	ARM	HSL	INW										
	CATEGORY	CTR G	RIG	DFMS	FLD	OTHR	OTHR	WSC	SLS	BRCR										
	NO. OF PERSONS	14	59	1	3	45	1	3	3	1										
	OPERATING HRS.	0	0	24	12	0	24	24	4	13										
	ON LOCATION HRS.	24	24	24	24	24	24	24	13	13										
Trucks/Boats	Standby/Tankers																			
	Drill Wtr.-BBLS	Pot Wtr.- BBLS		Fuel- BBLS	Barite- SX		80	Bentonite - SX		700										
BULK REPAIR ASAP	2000	110		197	80			700								Reporter				
	Instrumentation	Other		Computer, Communication & V-Sat Issues																



Date	Well No (Type) :	Rig	Foreman(s)
MONDAY 02/27/2023	KHRS-500 (CHANGE ESP) Charge (61- 22051-#: 0500) Wellbores: (0) KHRS_500_0	SINO-27N	MADKOUR, OMAR MOHAMED/ ALOTHMAN, ABDULLAH ABDULRAHMAN/ KHALDI, MOHAMMED SALEH
THURAYA	RIG FORMAN VSAT	MOBILE	MOBILE
008821677713750 (013)-576-3089	(050)-053-6788 RIG MGR (054)-579-1168 CLINIC (013)-576-3088	CONTRACTOR/CLERK VSAT	CONTRACTOR/CLERK VSAT

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
9643	POH W/ 8-1/2" CO ASSY, RIH & SET INTERWELL RBP, PT, SET WFD DLT, N/D BOPE, WH WORK, N/U NEW NEW TBG SPOOL, N/U BOP'S	N/U & PT BOP'S, RIH AND RET DLT PKR, POH RBP SETTING TOOL, RIH RBP RET. TOOL, UNSET AND RET RBP, L/D DP FROM DERRICK, RIH ESP COMPLETION	290 KM FROM DHARHAN MAIN GATE.	4.3 (02/22/2023@2100)	
Prev. Depth 9643	Liner Size 5 1/2	TOL 5850	MD 9623	TVD 5329	Last Csg Size MD TVD 9 5/8 60905267
					Footage 0
					Circ % 100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations					
									Start	End	Start	End						
01.5	0500 - 0630 0			N	CT	LDP	STRG	RIG	9643	9643	3000	14	HPJSM, POH WITH 8-1/2" COA ON 4" DPS TO TOP OF BHA. - KEEP PUMPING IN THE BACKSIDE WITH 63 PCF VISCOSITY WATER @ 60 BPH.					
01.0	0630 - 0730 0			N	CT	HT	BHA	RIG	9643	9643			POH AND L/D 8-1/2" CASING COA - KEEP PUMPING IN THE BACKSIDE WITH 63 PCF VISCOSITY WATER @ 60 BPH.					
05.5	0730 - 1300 0			N	WH	SET	RBP	INW	9643	9643	0	5060	HPJSM, M/U INTERWELL 9-5/8" RBP, RIH ON 4" DP TO DEPTH 5060'  - KEEP PUMPING IN THE BACKSIDE WITH 63 PCF VISCOSITY WATER @ 60 BPH.					
02.0	1300 - 1500 0			N	CT	CIRC	MPMP	RIG	9643	9643			BULLHEAD THE BACKSIDE WITH 50 BBL HI-VIS FOLLOWED BY 420 BBL (1.2 VOLUME FROM SURFACE TO TOP OF RESERVOIR) WITH 63 PCF VISCOSITY WATER. FLOW CHECK, WELL ON TOTAL LOSSES.					
01.0	1500 - 1600 0			N	WH	SET	RBP	INW	9643	9643	5060	5060	HPJSM, SET INTERWELL RBP OK, , CONFIRM SET BY 4 KLBS S/O, OK. RELEASE SETTING TOOL, POH 50 FT ABOVE RBP, FILL WELL WITH 24 BBL VIS-WATER, P/T RBP TO 1000 PSI, HOLD OK					
01.2	1600 - 1715 0			N	CT	TO	STD	RIG	9643	9643	5060	2800	POH WITH 4" D/P, TOTAL 24 STANDS ( TO KEEP 40,000 BLS BELOW DLT PKR)					
01.5	1715 - 1845 0			N	DCOM	PTST	CHAMP	WCS	9643	9643			M/U 9-5/8" DLT PKR , RIH AND SET AT 200 FT , P/T TO 1000 PSI HOLD OK					
01.0	1845 - 1945 0			N	PA	OTH	NA	RIG	9643	9643			HPJSM, N/D BELL NIPPLE.					
02.8	1945 - 2230 0			N	BOP	ND	BOP	RIG	9643	9643			HPJSM, N/D 13-5/8" X 5 M CLASS-A BOPE & RELATED EQUIPMENT.					
02.0	2230 - 0030 0			N	WH	ND	WH	RIG	9643	9643			HPJSM, CONDUCTED GAS TEST AT CELLAR AREA AND PERFORM: N/D OLD CIW 13-5/8" X 13-5/8" TUBING SPOOL					
02.5	0030 - 0300 0			N	WH	NU	WH	RIG	9643	9643			HPJSM, CHECK AND REDRESS 9-5/8" STUB TO 5" LONG. N/U NEW 13-5/8" X 11" VG TUBING SPOOL, P/T SEALS TO 1500 PSI OK					
02.0	0300 - 0500 0			N	BOP	NU	BOP	RIG	9643	9643			HPJSM. N/U 13-5/8" 5M CLASS "A" BOP AND RELATED EQUIPMENT... IN PROGRESS					

- ODF CORRECTION: 0.24

#### ARAMCO PERSONAL:

- ARAMCO CLERK MUHAMMAD SAFDAR ISHAQ ID#8157238 ON LOCATION SINCE 11/16/2021.
- ARAMCO PDP TURKI ALSHEHRI ID#810780 ON LOCATION SINCE 19TH FEBRUARY 2023.
- ARAMCO FCT AMMAR ALSHAMMRI ID#787910 ON LOCATION SINCE 2/26/2023.

#### DIESEL REPORT:

- DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP)=(DAILY: 20 BBL/CUMULATIVE FOR WELL KHRS-500 : 170 BBL'S).

- 04 RAW WATER TANKERS #RRA-1925, #RRA-1684, #DDA-2971, #LJA-9232 ON LOCATION.

#### NEXT LOCATIONS : NEW WELL SCHEDULE UPDATED BY WOE ON 2/8/2023:

- KHRS-344 KOM DONE ON BY ADC- 45, STRIP-OUT: 100%, LOCATION READINESS: 100%
- KHRS-585 KOM DONE ON 02-11-2023, STRIP-OUT: 100%, LOCATION READINESS: 00%
- KHRS-584 KOM DONE ON 02-11-2023, STRIP-OUT: 00%, LOCATION READINESS: 00%
- KHRS-524 KOM DONE ON 01-22-2023, STRIP-OUT: 100%, LOCATION READINESS: 00%
- KHRS-302 KOM DONE ON 11-10-2022, STRIP-OUT: 100%, LOCATION READINESS: 50%
- KHRS-455 KOM DONE ON 01-22-2023, STRIP-OUT: 100%, LOCATION READINESS: 00% .
- KHRS-760 KOM NOT HELD.
- KHRS-627 KOM NOT HELD.
- KHRS-1015 KOM NOT HELD.

#### Remarks

Lateral	Survey MD	Angle	Azimuth	CLLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS
MUD DATA	Weight 63 PCF	Funnel Vis. 55 SEC	Filtrate(WL) HTHP	Filtrate (WL) API	PV 0	YP 0	Electrical Stability Volts	3/6 RPM 0/0	Gels Sec/Min /	PH 9.8	CA PPM	CL PPM 800	
	FL Temp 0	Cake HTHP	Cake API	Water Vol. % 100	Oil Vol. % 0	Solids Vol. % 0	Sand Vol. % 0	% LGS 0	MBT	Mud type WTRGEL	Water Well # KHRS-871, KHRS-937		
	Weight 63 PCF	Funnel Vis. 55 SEC	Filtrate(WL) HTHP	Filtrate (WL) API	PV 0	YP 0	Electrical Stability Volts	3/6 RPM 0/0	Gels Sec/Min /	PH 9.8	CA PPM		
	FL Temp 0	Cake HTHP	Cake API	Water Vol. % 100	Oil Vol. % 0	Solids Vol. % 0	Sand Vol. % 0	% LGS 0	MBT				

MUD TREATMENT	CAUST XC 5(55LB) 12(25KG)												
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BIT DATA	Order Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
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Miscellaneous	BOP Test 02/23/2023	BOP Drills 02/23/2023	Wind SPD: 20 KM/H, DIR:SE	Sea N/A	Weather	DSLTA 3924	Safety Meeting RIH WITH RBP, P/T CASING	
Real-Time Data Quality								

Personnel and Services Information	COMPANY	BAL	TGC	RIG	OES	ASH	ARM	INW	OSL	ARM			
	CATEGORY	ALS	CTR G	RIG	DFMS	FLD	OTHR	SLS	SLS	WSC			
	NO. OF PERSONS	5	13	65	1	4	3	1	3	1			
	OPERATING HRS.	0	0	24	24	24	24	24	0	24			
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24			

Total  
96

Trucks/Boats	Standby/Tankers	<b>DH-7525</b>	<b>4 RAW WATER TRUCK</b>			
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX
REPAIR ASAP	Instrumentation	Other				Reporter

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D&WO Morning Report (Service Providers View)  
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Daily Onshore  
(0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>SHYB-299 (SHYB-299 WILL BE DRILLED WITH MB+2 OIL-PRODUCER.)</b> Charge #: <b>(66- 23072-0299)</b>	Rig <b>SINO-28L</b>	Foreman(s) <b>WILKINS, DANIEL ARTHUR/ HUSSAIN, MOHAMMAD ADNAN/ BENAICHA, MOHAMED</b> Engineer Superintendent	THURAYA <b>88-216-777-113-43</b>	RIG FORMAN VSAT <b>5788516</b>	OTHER VSAT <b>5120641 BAKER DSV</b>	OTHER VSAT <b>5788556 SINO RIG MANAGER</b>	CONTRACTOR/CLERK VSAT <b>5788515</b>
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Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>42</b>	<b>RIG UP ON SHYB-299 COMPLETE PRESUPD INSEPCIONS, DRILLS AND PRESUPD MEETING SPUD WELL. DRILL 28" HOLE SECTION TO CASING POINT. RUN AND CMT CASING.</b>	<b>CONTINUE CMT CASING WOC, CUT 24" CSG, INSTALL WELD NECK FLANGE, N/U 30"-1K DIVERTER, RIH 22" BHA, DRILL 22" HOLE.</b>	<b>SABKHAH # 91, 17 KM SOUTH OF GOSP-3, 34 KM FROM SHAYBAH ARAMCO AIRPORT</b>	<b>0.7</b> (02/26/2023@1200)	

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %	
<b>160</b>					<b>24</b>	<b>168</b>	<b>168</b>	<b>-118</b>		<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
07.0	0500 - 1200	0		M	RM	RM	NA	RIG	0	0			HPJSM & DISCUSSED JSA WITH ALL PERSONNEL, DISCUSS RESPONSIBILITIES & USING STOP WORK AUTHORITY. -----RIG UP OPERATIONS----- R/D ON SHYB-266, R/M TO SHYB-302 R/D: 100%. R/M: 100%. R/U: 100%.  - GENERAL R/U & COMPLETE PRE-SPUD INSPECTION AS PER ARAMCO PRE-SPUD CHECK LIST. - FUNCTION TEST ANTI-COLLISION SYSTEM..OK - FUNCTION TEST EMERGENCY SHUT DOWN (ESD) FROM DRILLER CONSOLE..OK - RUN EMERGENCY GENERATOR & CHECK CONNECTION TO EMERGENCY DEVICES..OK - MU & RB 5 STDS 5" DP FOR STINGER CMT JOB, M/U 28" DRILLING BHA. - PERFORMED H2S DRILL & FIRE DRILL WITH MAN DOWN...GOOD RESPONSE FROM ALL CREWS - HPJSM & DISCUSSED GAME PLAN AND SAFETY WHILE DRILL TOP HOLE. - ALL RHSEI, INSPECTIONS/AUDIT ITEMS CLOSED.

## Summary of Operations

00.0	1200 - 1200	0		S	OT	SPUD	NA	RIG	42	42		RIG ACCEPTED & SPUDDED-IN WELL SHYB-299 ON 02/27/2023 @ 12:00 HRS. TAGGED BOTTOM OF CELLAR AT 42'	
06.8	1200 - 1845	0	28	N	DRLG	D	TDS	RIG	42	168		ROTARY DRILL 28" VERTICAL HOLE TO 24" CP @ 168' W/66 PCF SPUD MUD, 100% CIRCULATION. - WOB: 10-25 KLBS, 250-450 GPM, 100-300 PSI, 20-50 RPM, TRQ: 3-5 KLBS-FT. - SWEEP HOLE WITH 30 BBL HI-VIS PILL EVERY 30 FT DRILLED. - RUN ALL SOLIDS CONTROL EQUIPMENT TO MAINTAIN MW. - HAD HEAVY VIBRATION & HARD FORMATION WHILE DRILLING FROM 120 FT TO CP.	
00.5	1845 - 1915	0	28	N	DRLG	CIRC	MPMP	RIG	168	168		SWEEP HOLE WITH 50 BBLS HI-VIS PILL & CHC WHILE RECIPROCATING STRING.	
00.2	1915 - 1930	0	28	N	DRLG	HT	BHA	RIG	168	168		POOH WIPER TRIP RIH BACK TO BTM.	
00.5	1930 - 2000	0	28	N	DRLG	CIRC	MPMP	RIG	168	168		SWEEP HOLE W/50 BBLS HVP, CHC. SPOT 100 BBLS HVP ON BTM.	
00.5	2000 - 2030	0	28	N	DRLG	WCNT	NA	RIG	168	168		FLOW CHECK- WELL STATIC, DROP TOTCO SURVEY.	
00.8	2030 - 2115	0	28	N	DRLG	HT	BHA	RIG	168	168	160	0	POOH & RACK BACK 28" BHA, RECORDED 0.5 DEG INCLINATION. - BIT DULL GRADING: 1-1-WT-A-E-I-NO-TD.
00.8	2115 - 2200	0	28	N	CSG	HT	PEL	ZPC	168	168		HPJSM, R/U NABORS 24" POWER TONG & CSG HANDLING EQUIP. - WELL STATIC, NO GAS BUBBLES, NO LOSSES.	
02.0	2200 - 0000	0	28	N	CSG	RCSG	CTRQ	ZPC	168	168	0	160	HPJSM, P/U & RIH 24" COATED CASING (24" WFRD F.SHOE, 4 X JT 24" CSG) TO 165 FT. - 24" CSG (X-42, 176#, JV-LW, R-3) TOTAL 4 JNTS. - FUNCTION TEST FLOAT SHOE OK - THREAD LOCK & TACK WELD ALL JOINTS. - F/UP EVERY JOINT. - INSTALL 2 CENTRALIZERS ON 1ST TWO JNTS & 2 CMT BASKETS ON 3RD CSG JOINT.
00.8	0000 - 0045	0	28	N	CSG	RCSG	STRG	RIG	168	168	0	160	R/U FALSE ROTARY TABLE, RIH W/ 5" DP STINGER, STAB-IN INTO 24" SHOE.
01.2	0045 - 0200	0	28	N	CSG	HT	PEL	RIG	168	168		HPJSM, R/U CEMENT LINES & CIRCULATING HEAD, CHAIN DOWN & SECURE SAME - OK, - FILL UP CSG / DP ANNULUS AND MONITOR FLUID LEVEL STATIC-OK - CIRCULATE & CHECK THE STRINGER SEAL INTEGRITY, OK - R/U BP CMT LINE, FLUSHED AND PRESSURE TESTED LINES TO 2000 PSI FOR 10 MINS, OK.	
01.5	0200 - 0330	0	28	N	CSG	CMC	CSG	BCM	168	168		"HPJSM, PERFORM 24" CONDUCTOR CMT JOB. ** PUMP 60 BBL. WATER AS SPACER. ** FLY MIX, PUMP TOTAL 130 BBL 633 SX G CLASS CMT= 4 - 5 BPM, 118 PCF CMT SLURRY. HAD PURE 20BBL CMT RETURNS @ SURFACE AFTER PUMPING 110 BBLS. ** DROP DART PLUG, DISPLACE W/ 3 BBLS. BUMP PLUG W/ 600 PSI. PRESSURE HOLD, BLEED OFF - NO BACK FLOW. ** APPLIED 300 PSI. STUNG-OUT STRING, NO FLOW FROM CSG." ** CHEMICAL ADDITIVES: FP-12L 0.01 GPS, BA-10 1.00%BWOC, CD-32 0.40%BWOC,	
01.5	0330 - 0500	0	28	N	CSG	WOC	CSG	RIG	168	168	168	0	WOC, PU 10 FT. DISPLACE DRILL STRING VOLUME W/ 10 BBL. MAX RATE, FLUSH STRING.POOH W/ CMT STINGER TO SURFACE. - ONGOING AT TIME OF REPORT

**SHYB-299 WILL BE DRILLED AS A TRI\_LATEREAL MB+2 WITH 3 ZONE SMART COMPLETION OIL-PRODUCER IN SHYB. THE WELL IS LOCATED 0.1 KM S89E OF SHYB-332 AND 0.313 KM S77E OF SHYB-326. THE WELL WILL BE COMPLETED WITH SMART COMPLETION CONSISTING OF 3 DOWN-HOLE FLOW CONTROL VALVES (ICV'S) AND PDHMS INCLUDING 3 X TUBING/ANNULUS GAUGES PLUS 2 TUBING GAUGES AND 3 FEED THROUGH PACKERS.**

====WELL DESIGN & WHIPSTOCK=====

**\*\* 24" CP PLANNED/ACTUAL: +/- 160' XXX.**

**\*\* 18-5/8" CP PLANNED/ACTUAL: 1,506' /XXXX (50' TVD INTO RUS).**

**\*\* 13-3/8" CP PLANNED/ACTUAL: 3,767' MD /XXXX TVD'(155' TVD INTO ARUMA).**

**\*\* 9-5/8" CP PLANNED/ACTUAL: 5304' MD/4806' TVD (2' TVD INTO SHU'AIBA).**

\*\* 7" LINER PLANNED/ACTUAL: 7300' MD/ 5050' TVD (SHU'AIBA RESERVOIR).

\*\* L-0 (MB) PLANNED TD 10,044 FT MD, ACTUAL TD XXXX MD, ACTUAL RC XXXX  
\*\* L-1 PLAN TD 10,424 FT MD, ACTUAL TD XXXX MD, PLAN TOW © 2002 BOW, XXXX, ACTUAL RC XXXX (BPK WIHPSTOCK)

\*\* L-1: PLAN TD 10,421' FT MD, ACTUAL TD XXXXX MD, PLAN TOW @ 6900', BOW: XXXXX .ACTUAL RC XXXXX (BKR WHIPSOCKY)  
\*\* L-2: PLAN TD 10,660' FT MD, ACTUAL TD XXXXX MD, PLAN TOW @ 6912', BOW: XXXXX ACTUAL RC XXXXX (BKR WHIPSOCKY)

L-2: PLAN TD 10,669 FT MD, ACTUAL TD XXXX MD, PLAN TOW @ 6912, BOW: XXXX ACTUAL RC XXXX (BKR WHIPSTOCK)

~~TOTAL WELL FOOTAGE PLANNED / ACTUAL: 15,143 FT / MD /XXXX MD, TOTAL RC PLAN/ACTUAL: 11,843 FT / XXXX~~

\*\* MOHAMMED AKHALDI ARAMCO MATERIAL CONTROLLER ON LOCATION

=====**NEXT WELL**=====

[View Details](#) | [Edit](#) | [Delete](#)

#### Remarks

Lateral	Survey MD		Angle		Azimuth		CLength		TVD		N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec		DLS									
MUD DATA	Weight <b>66</b> PCF	Funnel Vis. <b>57</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>8</b>	YP <b>25</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>8 / 9</b>	Gels Sec/Min <b>8 / 10</b>	PH <b>9.8</b>	CA PPM <b>720</b>	CL PPM <b>31000</b>	Water Well # <b>SHYB-860</b>			Mud type <b>SPUD</b>												
	FL Temp <b>90</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>96</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>4</b>	Sand Vol. % <b>1</b>	% LGS <b>1.7</b>	MBT <b>0</b>	Water Well # <b>SHYB-860</b>																		
	Weight <b>66</b> PCF	Funnel Vis. <b>51</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>8</b>	YP <b>23</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>7 / 8</b>	Gels Sec/Min <b>7 / 9</b>	PH <b>9.6</b>	CA PPM <b>640</b>	CL PPM <b>30000</b>																
	FL Temp <b>90</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>96</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>4</b>	Sand Vol. % <b>1</b>	% LGS <b>1.7</b>	MBT <b>0</b>	Mud type <b>SPUD</b>	Water Well # <b>SHYB-860</b>																	
MUD TREATMENT	SODASH	MRBL-M	DUOVIS-NS	MARBLE-CRSE	NACL	CAUST																						
BIT DATA																												
DRILL STRING	Order	Component		Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #													
	1	Bit		HTC	<b>28</b>	<b>1</b>	<b>28</b>	<b>0.87</b>	<b>1.8</b>	7-5/8" REG					<b>Z787XT</b>													
	2	Near Bit Roller Reamer		RIG	<b>28</b>	<b>1</b>	<b>28</b>	<b>9.5</b>	<b>8.95</b>	7-5/8" REG	7-5/8" REG				<b>2013322</b>													
	3	Shock Sub		NPC	<b>12</b>	<b>1</b>	<b>12</b>	<b>3</b>	<b>12.47</b>	7-5/8" REG	7-5/8" REG				<b>ST12000014</b>													
	4	Drillcollar		RIG	<b>9</b>	<b>1</b>	<b>9</b>	<b>2.81</b>	<b>30.16</b>	7-5/8" REG	7-5/8" REG																	
	5	Roller Reamer		RIG	<b>28</b>	<b>1</b>	<b>28</b>	<b>2.93</b>	<b>8.81</b>	7-5/8" REG	7-5/8" REG																	
	6	Drillcollar		RIG	<b>9</b>	<b>2</b>	<b>9</b>	<b>2.81</b>	<b>59.35</b>	7-5/8" REG	7-5/8" REG																	
	7	Crossover		RIG	<b>9</b>	<b>1</b>	<b>9</b>	<b>3</b>	<b>2.04</b>	6-5/8" REG	7-5/8" REG																	
	8	Crossover		RIG	<b>8</b>	<b>1</b>	<b>8</b>	<b>3</b>	<b>2.04</b>	4-1/2" IF	6-5/8" REG																	
	9	Heavy Weight Drillpipe (HWDP)		RIG	<b>5</b>	<b>2</b>	<b>5</b>	<b>3</b>	<b>61.77</b>	4-1/2" IF	4-1/2" IF																	
	10	Drillpipe		RIG	<b>5</b>	<b>1</b>	<b>5</b>	<b>4.276</b>	<b>31</b>	4-1/2" IF	4-1/2" IF																	
Miscellaneous	BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA <b>3762</b>	Safety Meeting <b>PRE TOUR MEETING X 2, STOP CARDS - 25, PTW -11,SLS-1, SWA-5</b>																					
Real-Time Data Quality																												
Personnel and Services Information	COMPANY		RIG	RIG	BDF	TK2	RIG	ARN	BCM	TK2	ARM																	
	CATEGORY		CTRG	RIG	DFMS	OTHR	OTHR	OTHR	PCS	WSC	WSC																	
	NO. OF PERSONS		<b>13</b>	<b>49</b>	<b>1</b>	<b>7</b>	<b>33</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>																	
	OPERATING HRS.		<b>0</b>	<b>24</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>																
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>																
Trucks/Boats	Standby/Tankers			<b>ARAMCO- DH-7510. RADIO # RX428239</b> VACUUM TANKER: DOOR NUMBER: VT 9901 VACUUM TANKER: DOOR NUMBER: VT838																								
BULK	Drill Wtr-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>395</b>		Barite- SX		Bentonite - SX		Cement G- SX																			
REPAIR ASAP	Instrumentation	Other	Computer, Communication & V-Sat Issues																Reporter									

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Date  
**MONDAY**  
**02/27/2023**

Well No (Type) :  
**MNIF-443**  
**(ESP CHANGE)**  
Charge **(61- 22026-**  
#: **0443)**  
Wellbores: (0) MNIF 443 0

Rig SINO- 29N	Foreman(s) Engineer Superintendent	<b>ACHOUR, ALI/ ALGHAMDI, MOHAMMED SALEH/ ABbas, MUHAMMAD NASSER</b>
	THURAYA <b>008821677714165</b>	RIG FORMAN VSAT (013)378-7930 (013)378-7980 (013)378-7929

Depth	Last 24 hr operations			Next 24 hr plan						Location				Days Since Spud/Comm (Date)		Formation tops		
27006	CONT. RIH CLEAN OUT ASSEMBLY TO 19249'			CONT RIH 6-1/8" C.O.ASSY BELLOW 7" CSG SHOE, CIRCULATE , POOH WITH L/D DP.						DS-30, 251KM FROM DMG, NEAR TANAJIB MARINE				39.9 (01/18/2023@0500)				
Prev. Depth	Liner Size			TOL	MD		TVD	Last Csg Size		MD	TVD	Footage	Circ %					
27006	7			9624	23020		8473	9 5/8		10650	7620	0	50					
Hrs	(From - To)	Lateral	Hole size		Cat.	Major OP	Action	Object		Resp. Co	Hole depth		Event depth		Summary of Operations			
											Start	End	Start	End				
03.0	0500 - 0800	0			N	CT	CIRC	MPMP	RIG		27006	27006			BULL HEAD DOWN ANNULUS 553 BBLS 70 PCF VISCOSUS BRINE STARTING AT 1200 PSI WITH 3.2 BPM TO THE END 1200 PSI 1.6 BPM.			
00.5	0800 - 0830	0			N	CT	CIRC	MPMP	RIG		27006	27006			FLOW CHECK, WELL IN 16 BBLS STATIC LOSSES.			
02.5	0830 - 1100	0			N	CT	TI	STDP	RIG		27006	27006	9550	13414	HPJSM, CONT RIH 6-1/8" C.O.ASSY. AT CONTROLLED SPEED BY STAND FROM DERRICK FROM 9550' TO 13414'. KEEP TRIP TANK RUNNING WITH 70 PCF VISCOSUS BRINE AND FILL STRING EVERY 10 STD RUN..			
01.5	1100 - 1230	0			N	CT	CIRC	MPMP	RIG		27006	27006			CUMMULATIVE TIME FOR FILLING STRING AND RIH CONTROLLED SPEED			
01.0	1230 - 1330	0			N	CT	HT	BHA	RIG		27006	27006			HPJSM, M/UP X/O + 8-1/2" STRING MILL + 2 JUNK SUBS + 3 STRING MAGNETS + X/O KEEP TRIP TANK RUNNING WITH 70 PCF VISCOSUS BRINE			
01.2	1330 - 1445	0			N	CT	TI	STDP	RIG		27006	27006	13414	15649	HPJSM, CONT RIH 6-1/8" C.O.ASSY. AT CONTROLLED SPEED BY STAND FROM DERRICK FROM 13414' TO 15649'. KEEP TRIP TANK RUNNING WITH 70 PCF VISCOSUS BRINE AND FILL STRING EVERY 10 STD RUN..			
01.5	1445 - 1615	0			N	CT	CIRC	MPMP	RIG		27006	27006			CUMMULATIVE TIME FOR FILLING STRING AND RIH CONTROLLED SPEED			
01.2	1615 - 1730	0			N	CT	CIRC	MPMP	RIG		27006	27006			HPJSM, BREAK CIRCULATION AND BULL HEAD DOWN ANNULUS 295 BLLS 70 PCF VISCOSUS BRINE AT STARTING RATE 4 BPM AT 1200 PSI ENDED AT 1.8 BPM AT 1200 PSI.			
02.5	1730 - 2000	0			N	CT	LDP	STRG	RIG		27006	27006	15649	17000	CONT. RIH 6-1/8" C.O.ASSY. AT CONTROLLED SPEED WHILE P/UP 4" DP FROM PIPE RACK FROM 15649' TO 17000'.NOT ABLE TO PASS THIS DEPTH. KEEP TRIP TANK RUNNING WITH 70 PCF VISCOSUS BRINE AND FILL STRING EVERY 30 JTS RUN..			
07.0	2000 - 0300	0			N	CT	RW	BIT	RIG		27006	27006	17000	19249	HPJSM, M/UP TOP DRIVE , WASH DOWN AND REAM IN SEVERAL POINTS FROM ( 17000' TO 18777') (19152' TO 19249')			
02.0	0300 - 0500	0			N	CT	CIRC	MPMP	RIG		27006	27006			HPJSM, PUMP 30 RBL 70 PCF HLVIS AND CIRCULATE HOLE			

**ODF 36'/ND 36.5'  
DEC -0.5'**

--ARAMCO PERSONNEL

- ARAMCO RIG CLERK RONALD C. MACALINTAL 8274313 ON LOCATION SINCE 10/18/2022
  - ARAMCO FOREMAN ABDULRAHMAN TALAL MONAQIL 813599 ON LOCATION SINCE 02/20/2023
  - ARAMCO HSE ADVISOR ABDELGHANI HACINI 8522147 ON LOCATION SINCE 02/24/2023 FOR HSE SUPPORT

## -ERP EQUIPMENT & CONTINGENCY PLANS

- SINO 63 SEAT CAPACITY EVACUATION BUS ON STANDBY AT RIG SITE LOCATION. (CHECKED DAILY)

## -RENTALS, THIRD PARTYS & OTHER EQUIPMENT-

- MANSOORI H2S/LEL DETECTION EQUIPMENT ON LOCATION SINCE 3-JAN-2023
  - CORETRAX STRING MAGNETS (CX1871, CX1874, CX1997) ON LOCATION 24-JAN-2023
  - CORETRAX JUNK SUB (CX2023, CX3326) ON LOCATION 24-JAN-2023
  - CORETRAX STRING 7" MAGNETS (CX3208, CX1865, CX1863) ON LOCATION 22-FEB-2023
  - OILSERVE DRILLING JAR SN: HMJ-675-0009 ON LOCATION 26-JAN-2023
  - OILSERVE INTENSIFIER SN: A55619-01 ON LOCATION 26-JAN-2023
  - OILSERVE FISHING JAR SN: A55618-02 ON LOCATION 26-JAN-2023
  - RAWABI FISHING 8.3" SUPER MAGNET ON LOCATION 11-FEB-2023
  - WFD 235 JTS OF 4" XT-39 DRILL PIPE ON LOCATION 23-FEB-2023

## -DRILLSITE STATUS

- ALL WELLS INSIDE THE PAD ARE SECURED AND BARRICADED

## ---NEXT WELLS STATUS ---

- MNIF-381. KOM HELD 4-NOV-2022: STRIP OUT-100% / WELLSITE-90%
  - MNIF-353 KOM HELD 8-JAN-2023: STRIP OUT- 90% / WELLSITE- 70%

- MNIF-679 KOM HELD 9-FEB-2023: STRIP OUT-0% / WELLSITE-0%
- MNIF-382 KOM HELD 16-FEB-2023: STRIP OUT-0% / WELLSITE-0%
- MNIF-372 KOM HELD 16-FEB-2023: STRIP OUT-0% / WELLSITE-0%

-----SAFETY DATA-----

- REPORTED ON SAFE LIFE SYSTEM: OBB X 15

- PTW \*5;

- DRILLS : TRIP DRILL 2

-----RIG ON LOCATION SUPPORT-----

- AL MADEED VACUUM TANKER

MNIF-443 (SINO-29N) DRSS-1003853956 V/T (1)

1.VACUUM TANKER DOOR NO. 1073 PLATE NO. 2780 XRA (3 TRIPS)

-----DIESEL CONSUMPTION-----

(RIG + CAMP) = DAILY:50.56BBLS / CUMULATIVE FOR MONTH OF FEB. :1304.29BBBL

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight 70 PCF	Funnel Vis. 57 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 0	YP 0	Electrical Stability 0 Volts	3/6 RPM 0 / 0	Gels Sec/Min 0 / 0	PH 9.7	CA PPM 360	CL PPM 117100	
	FL Temp 0	Cake HTHP 0	Cake API 0	Water Vol. % 100	Oil Vol. % 0	Solids Vol. % 0	Sand Vol. % 0	% LGS 0	MBT 0	Mud type NACL	Water Well # SHRR-804		
	Weight 70 PCF	Funnel Vis. 60 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 0	YP 0	Electrical Stability 0 Volts	3/6 RPM 0 / 0	Gels Sec/Min 0 / 0	PH 9.6	CA PPM 360	CL PPM 116900	
	FL Temp 0	Cake HTHP 0	Cake API 0	Water Vol. % 100	Oil Vol. % 0	Solids Vol. % 0	Sand Vol. % 0	% LGS 0	MBT 0	Mud type NACL	Water Well # SHRR-804		
MUD TREATMENT	DUOVIS-NS	CAUST	NACL										
BIT DATA	7(55LB)	7(55LB)	20(2200L)										
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class
Miscellaneous	BOP Test 02/07/2023	BOP Drills AS PER SCHEDULE				Wind LIGHT	Sea	Weather COOL	DSLTA 3918	Safety Meeting TOURLY			
	Real-Time Data Quality						No Transmission						
Personnel and Services Information	COMPANY	TGC	RIG	EMC	RAC	ASH	MH2	NOJ	OJR	ARM	ARM	CRW	WRT
	CATEGORY	CTR G	RIG	DFMS	WMFE	FLD	H2S	JST	JST	OTHR	WSC	WBCS	DRF
	NO. OF PERSONS	12	65	1	1	4	1	0	0	2	2	0	0
	OPERATING HRS.	0	12	12	0	12	24	0	0	12	24	24	12
	ON LOCATION HRS.	0	24	24	24	24	24	0	0	24	24	0	0
Trucks/Boats	Standby/Tankers	PICK UP AB-5598			SINO EMERGENCY BUS 63 SEAT			SINO AMBULANCE					
BULK	Drill Wtr.-BBLS 0	Pot Wtr.- BBLS 80	Fuel- BBLS 0	Barite- SX	Bentonite - SX	Cement G- SX 500							
REPAIR ASAP	Instrumentation	Other	Computer, Communication & V-Sat Issues										
			Reporter										

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Total  
88

D&WO Morning Report (Service Providers View)  
 Copyright 2010 Saudi Aramco. All Rights Reserved  
 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>SHYB-729 (PH+PML H4-46)</b> Charge (66- 22072-#: <b>0729</b> ) (0- Wellbores: 1- SHYB_729_3 2)	Rig <b>SINO-32L</b>	Foreman(s) <b>SISSEMBAYEV, NURLAN/DOKKAR, DJILALI/ OMETORUWA, EMMANUEL EMMANUEL/ BENAICHA, MOHAMED</b>
		Engineer Superintendent <b>THURAYA</b>	RIG FORMAN VSAT <b>008821677712549</b> 5788524 CONTRACTOR/CLERK VSAT <b>5788522</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>9133</b>	<b>CON. RIH W/ 4"1/2 MPAS PKR #2 ISOLATION KIT ASSY TO TOW @7580' (UNABLE TO PASS), CHC, POOH &amp; L/D 4"1/2 PKR #2 ISOLATION KIT ASSY, L/D L-0-1-20-1-2 BKR WPSTK. BHA.</b>	<b>M/U &amp; RIH COMBINED HOOK &amp; 7" C/O ASSY, RETRIEVE L-0- 1-2 WPS. POOH W/ L-</b>	<b>SHAYBAH FIELD, SABKHA#10, 12 KM EAST OF GOSP-1.</b>	<b>70.8 (12/18/2022@1100)</b>	<b>RUS 1840 55' SHALLOWER 2648' TVD AS PER UMER 2650 RCC (78' SHALLOWER) 3905' TVD AS PER ARUM 3970 RCC (41' TVD SHALLOWER ) 4298' TVD AS PER AHMD 4444 GOC (23'TVD DEEPER) 4316'TVD AS PER CPCK 4468 GOC (19' TVD DEEPER ) 4347' TVD AS PER WARA 4510 GOC (19' TVD DEEPER ) PSBS 5267 4823'TVD AS PER GOC (39' DEEPER) SHUB 5490 4901'TVD AS PER GOC (46' DEEPER)</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>9133</b>	<b>7</b>	<b>3773</b>	<b>8108</b>	<b>4989</b>	<b>9 5/8</b>	<b>54514891</b>		<b>0</b>	<b>97</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	OOS ID	Summary of Operations
									Start	End	Start	End				
<b>01.0</b>	<b>0500 - 0600</b>	<b>0-1-2</b>		<b>N</b>	<b>PA</b>	<b>ST</b>	<b>STD P</b>	<b>RIG</b>	<b>9133</b>	<b>9133</b>	<b>7300</b>	<b>7580</b>			<b>6649</b>	<b>RIH WITH 4"1/2 MPAS PKR #2 ISOLATION KIT ASSEMBLY ON DRIFTED 4" DP/ 4" HWDP AT CONTROLLED SPEED F/ SURFACE TO TOW @7580' ** FILL UP STRING EVERY 5 STDs ** MONITOR THE WELL ON TRIP TANK. BREAK CIRCULATION AT TOW @ 7580', 160 GPM, 350 PSI, 97% RETURN.</b>
<b>04.5</b>	<b>0600 - 1030</b>	<b>0-1-2</b>		<b>N</b>	<b>PA</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>9133</b>	<b>9133</b>			<b>JF</b>	<b>909652</b>	<b>6649</b>	<b>ATTEMPT TO PASS THROUGH TOW @ 7580' SEVERAL TIMES - UNABLE TO PASS. ** PUMP 30 BBL HIGH VIS AND CHC, COMPLETE CYCLE - NO DEBRIS. ** CANCEL 4"1/2 ISOLATION PKR SET AS PER RMD.</b>
<b>10.5</b>	<b>1030 - 2100</b>	<b>0-1-2</b>		<b>N</b>	<b>PA</b>	<b>ST</b>	<b>STD P</b>	<b>RIG</b>	<b>9133</b>	<b>9133</b>	<b>5780</b>	<b>3773</b>	<b>JF</b>	<b>909652</b>	<b>6649</b>	<b>HPJSM, POOH 4"1/2 MPAS PKR #2 ISOLATION KIT ASSEMBLY FROM TOW @5780' TO SURFACE ** PRECAUTIONARY PUMP OUT FROM TOW @ 5780' TO TOL@ 3370'. ** F/C AT TOL, 5 STDs PRIOR PKR ASSY, TOP OF PKR ASSY- 4BPH STATIC LOSSES. ** MONITOR THE WELL ON TRIP TANK &amp; TRIP SHEET</b>
<b>00.5</b>	<b>2100 - 2130</b>	<b>0-1-2</b>		<b>N</b>	<b>PA</b>	<b>RR</b>	<b>TDS</b>	<b>RIG</b>	<b>9133</b>	<b>9133</b>						<b>HPJSM, TDS SERVICE.</b>



MUD DATA	Weight 73 PCF	Funnel Vis. 95 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 0	YP 0	Electrical Stability 0 Volts	3/6 RPM 0 / 0	Gels Sec/Min 0 / 0	PH 9	CA PPM 79000	CL PPM 132000		
	FL Temp 0	Cake HTHP 0	Cake API 0	Water Vol.% 100	Oil Vol.% 0	Solids Vol.% 0	Sand Vol.% 0	% LGS 0	MBT 0	Mud type CACL	Water Well # SHYB-862			
	Weight 73 PCF	Funnel Vis. 90 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 0	YP 0	Electrical Stability 0 Volts	3/6 RPM 0 / 0	Gels Sec/Min 0 / 0	PH 9	CA PPM 79000	CL PPM 132000		
	FL Temp 0	Cake HTHP 0	Cake API 0	Water Vol.% 100	Oil Vol.% 0	Solids Vol.% 0	Sand Vol.% 0	% LGS 0	MBT 0	Mud type CACL	Water Well # SHYB-862			
MUD TREATMENT	DUOVIS-NS 8(55LB)	CACL2-80 5(2200L)	CAOH2 2(55LB)											
BIT DATA														
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade		
Miscellaneous	BOP Test 02/18/2023	BOP Drills 02/23/2023		Wind	Sea NA	Weather NORMAL		DSLTA		Safety Meeting DAILY				
	Real-Time Data Quality	Sensors Quality			99%	Data Frequency	98%	Real-Time Hrs	10.74/24 hrs					
Personnel and Services Information	COMPANY	BCR	OTH	BWH	BHI	RIG	BDF	MJH	BLH	RIG	TK2	ARM	BWC	Total 95
	CATEGORY	CSR	CTRG	WPSTK	DPDS	RIG	DFMS	SEC	LHES	OTHR	WSC	WSC	WBCS	
	NO. OF PERSONS	1	13	1	3	60	2	4	1	3	4	2	1	
	OPERATING HRS.	4	0	5	0	24	24	0	24	24	24	24	0	
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24	12	
Trucks/Boats	Standby/Tankers AB-5570													
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS 716	Barite- SX 55	Bentonite - SX	Cement G- SX 2900								
REPAIR ASAP	Instrumentation	Other											Reporter	
	Computer, Communication & V-Sat Issues													

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Date <b>MONDAY 02/27/2023</b>	Well No (Type): <b>HRDH-1538 (SINGLE-LATERAL OIL PRODUCER (PHZ) WELL TARGETING ARAB-D RESERVOIR.)</b>	Rig <b>SINO-33L</b>	Foreman(s) <b>TERBECHE, MOHAMMED/ GOMEZ GONZALEZ, ERNESTO SAMUEL/ CHOMATAS, APOSTOLOS/ MUTAIRI, NAIF MUTLAQ</b>
THURAYA	RIG FORMAN VSAT <b>008821677711401 0135784261 (ARAMCO)</b>	CONTRACTOR/CLERK VSAT <b>0135784053 (CLERK)</b>	CONTRACTOR/CLERK VSAT <b>8806153 (BHGE)</b>

Depth <b>0</b>	Last 24 hr operations <b>CONT RIG MAINTENANCE.</b>	Next 24 hr plan <b>CONT RIG MAINTENANCE.</b>	Location <b>E 309,733.00; N 2,663,981.00 5.33 KM SE 7 DEG TO HARADH GOSP-3</b>	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops
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Prev. Depth <b>0</b>	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage <b>0</b>	Circ %
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Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations
									Start	End	
24.0	0500 - 0500	0		M	MAIN	OTH	NA	RIG	0	0	*** RIG IS UNDER PLANNED RIG MAINTENANCE AS PER APPROVED BUSINESS PLAN. *** ALLOCATED DAYS ARE: 23 DAYS. *** TYPE OF MAINTENANCE: CAT IV FOR MAST, SUBBASE & STANDPIPE AND CAT III RIG HOIST SYSTEM, D'WORKS AND TDS.  HELD PJSM WITH THE CREW AND DISCUSSED THE OPERATIONAL AND HSE HAZARDS INVOLVED DURING RIG MAINTENANCE ACTIVITIES.  PERFORM CAT-IV SUBBASE (SAND BLASTING, INSPECTION & PAINTING) - 97% - REFURBISH ONE BRACE - UPPER SUBBASE BEFORE R/U - TRANSFER AND R/U INSPECTED SUBBASE SEGMENTS- 40%.  PERFORM RIG MAST CAT-IV, (SAND BLASTING, INSPECTION & PAINTING) - 70% - SAND BLASTING MAST SEGMENTS. PAINT ACCEPTED SECTIONS ON MAST. INSTALL RAISING LINE SHEAVES ON MAST 1/9 - CLEAN, REFURBISH & INSPECT MAST PINS  MAINTENANCE MUD SYSTEM (CHECK LINES & REFURBISH, VALVES, GATES, MOTORS, PUMPS & AGITATORS)- 75% - R/D DESILTER MANIFOLD, CLEAN AND CLEAN PLUGGED PIPES. CLEAN CEMENT TANKS. - PERFORM WALL THICKNESS INSPECTION ON MUD TANKS. ON GOING - HIGH PRESSURE WASH MUD TANK FROM OUTSIDE & GRATINGS  MUD PUMP - WORK ON MUD PUMP ATTEMPT TO OPEN AND REPLACE DISCHARGE SCREEN - NO SUCCESS. DISCONNECT FROM DISCHARGE MANIFOLD AND PREPARE TO SEND TO SINO YARD FOR REFURBISH.  - SET BACK AREA REMOVE OLD WOOD MAT ON SET BACK AREA AND PREPARE FOR INSPECTION  ROTARY TABLE - PERFORM MONTHLY MAINTENANCE AND ASSEMBLY MOTOR, GEARBOX AND RT. INSTALL ON RIG FLOOR BEAM.  DRAWWORKS - PERFORM PM ON DRAW WORKS JUNCTION BOX  PLANNED OPERATION  - PREPARE SUBBASE SEGMENTS, TRANSFER & R/U SUBBASE - CONT. SAND BLASTING MAST & INSPECTION AND REFURBISH. PAINTING - HIGH PRESSURE WASH CROWN BLOCK, TRAVELLING BLOCK, MUD TANKS, TDS & DOGHOUSE  ** EXPECTED SPUD IN DATE: MARCH 12, 2023 ** DAYS SINCE START MAINTENANCE: 17 DAYS

#### WELL OBJECTIVE:

- HRDH-1538 WELL WHICH WILL BE DRILLED AS A SINGLE-LATERAL OIL PRODUCER (PHZ) WELL TARGETING ARAB-D RESERVOIR. THE WELL WILL BE COMPLETED WITH LOWER COMPLETIONS AND BAKER UPPER COMPLETIONS

#### -----WELL INFO-----

GOR: 470 SCF/BBL, ARAB-D H2S: 0.4 MOL%

1/2 LFL: 168 M, RER 100 PPM: 243 M, RER 30 PPM: 422 M.

#### PERSONNEL:

LSTK SLB: WSL MOHAMED ELSAYED & HSE COORDINATOR PATTABHI SRINIVASA RAO

#### ===== SAFETY =====

SAFETY MEETING: 17, WEEKLY SAFETY MEETING: 0, PTW: 16, JSA: 16

STOP CARDS: 23, SWA:0, NM:0, HOT WORK PERMIT:6, COLD WORK PERMIT:3,

CONFINED SPACE: 2, ISOLATION: 0, LIFT: 5, ELECTRICAL: 0,

#### SAFETY MEETING TOPICS:

- 1.SLB SAFETY CAMPAIGN OF DROPS, RELIABLE SECURING, DROP CALCULATOR, RELIABLE SECURING BANNED SECONDARY RETENTION METHODS, BOLTED CONNECTIONS;
- 2.FOLLOW PTW PROCEDURE, HOLD PRE-JOB SAFETY MEETING BEFORE THE JOB, WATCH OUT SURROUNDINGS, TAKE CARE OF EACH OTHER;
- 3.FOLLOW RIGGER'S SIGNAL DURING LIFTING WORK, KEEP AWAY FROM SUSPENDED LOAD;
- 4.GOOD HOUSEKEEPING OF WORKING AREA.

#### RSI:

2ND RSI (2022) TOTAL ITEMS: 68, CLOSED: 68 ITEMS (100%),

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
<b>MUD DATA</b>									
MUD TREATMENT									
<b>BIT DATA</b>									
<b>DRILL STRING</b>									
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #									
Miscellaneous									
BOP Test	BOP Drills	Wind SSE 9 -12 MPH	Sea N/A	Weather SEASONAL 27 DEG C	DSLTA	Safety Meeting PRE-TOUR W/ CREW EVERY 12 HRS			
Real-Time Data Quality					No Transmission				
Personnel and Services Information	COMPANY	TGC	RIG	MJH	MIS	TK3	TK3	ARM	Total <b>110</b>
	CATEGORY	CTR G	RIG	SEC	ISP CT	OTHR	WSC	WSC	
	NO. OF PERSONS	13	74	6	13	1	1	2	
	OPERATING HRS.	0	24	0	24	12	24	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	
	Standby/Tankers								
Trucks/Boats		Drill Wtr-BBLS	Pot Wtr- BBLS	Fuel- BBLS <b>224</b>	Barite- SX	Bentonite - SX	Cement G- SX		
REPAIR ASAP	Instrumentation	Other							Reporter
Computer, Communication & V-Sat Issues									

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Date	MONDAY 02/27/2023	Well No (Type) : <b>BRRI-1149 (OIL-EVALUATION/PRODUCER)</b> Charge #: <b>(66- 22025- 1149)</b> Wellbores: (0) BRRI_1149_0	Rig <b>SINO-35L</b>	Foreman(s) Engineer Superintendent	<b>MOTAAWE, IBRAHIM ATTIA/ ALBINALI, MOHAMMED KHALED/ OTAIBI, AYEDH MUHAMMAD/ CHERESHNIUK, VITALII/ HARBI, MAGBEL MENAWER</b>
THURAYA <b>8821677714145</b>	RIG FORMAN VSAT <b>673-6423</b>	OTHER VSAT <b>673-3669</b>	CONTRACTOR/CLERK VSAT <b>673-8615</b>		

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>8359</b>	<b>CHC, CUT CORE (RUN#7) F/ 8,259' TO 8,359', CHC, POOH W/ 7TH RUN 8-1/2" CORING BHA TO 1,600'.</b>	<b>CONT POOH W/ 7TH RUN 8-1/2" CORING BHA W/ RECOVERED CORE TO SURFACE, L/D CORE, M/U &amp; RIH W/ 8TH RUN 8-1/2" CORING BHA.</b>	<b>E [M] 365509.11 &amp; N [M] 2993484.59 DISTANCE FROM DH (KM) 96</b>	<b>47.5 (01/10/2023@1700)</b>	<b>RUS 628 AS PER PROGRAM UMER 967 AS PER PROGRAM ARMA 2300 DEEPER 48 FT THAN PROGREAM LAMS 3275 23 FT DEEPEER PROGRAM PAMU 3744 52 FT SHALLOWER THAN PROGRAM RUML 3909 57 FT SHALLOWER THAN PROGRAM AHMD 4025 78 FT SHALLOWER WARA 4170 88 FT SHALLOWER THAN PROGRAM MDDD 4284 84 FT SHALLOWER THAN PROGRAM SFNY 4343 82 FT SHALLOWER THAN PROGRAM KHFJ 4592 56 FT SHALLOWER SHAB 5123 106 FT SHALLOWER THAN PROGRAM. BYDH 5416 112 FT SHALLOWER THAN PROGRAM. BUWB 5836 113 FT SHALLOWER THAN PROGRAM. YAMM 6120 70 FT SHALLOWER THAN PROGRAM. SULY 6395 44 FT SHALLOWER THAN PROGRAM. MNFR 6885 37 FT SHALLOWER THAN PROGRAM. PAAS 7310 SHALLOWER 46 FT AS PER GOC</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>8259</b>					<b>9 5/8</b>	<b>6982</b>	<b>6982</b>	<b>100</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		OOS ID	Summary of Operations		
									Start	End	Start	End				
01.8	0500 - 0645	0	8 1/2	E	CORE	CIRC	MPMP	RIG	8259	8259			6518	SWEEP HOLE W/ 25 BBL'S HVP & CHC WITH 77 PCF WBM & 100% CIRC. - ACTIVATE FAST BALL SUB W/ 550 GPM. RECORDED OFF BTM PARAMETER. - RECORDED SCR.		
10.5	0645 - 1715	0	8 1/2	E	CORE	CORE	CORC	CPR	8259	8359			6518	CUT CORE (RUN#7) F/ 8,259' TO 8,359' W/ 77 PCF WBM & 100% CIRC. - PARAMETERS: 70 RPM, 2-4 KFT.LB TRQ., 225 GPM, 500 PSI S.P.P, WOB: 5-12 KLB'S.		
02.0	1715 - 1915	0	8 1/2	E	CORE	TO	BHA	RIG	8359	8359	8339	8314	6518	P/U STRG, BREAK OUT CORE W/ 30 KLB'S OVER PULL, WHILE WASH UP HAD TIGHT HOLE @ 8,339' & 8,314' WITH 30-35 KLB'S OVER PULL, WORK ON SAME TILL FREE, RACK BACK ONE STD, CIRC. BTM UP W/ 77 PCF WBM & 100% CIRC, SHAKERS CLEAN.		
03.5	1915 - 2245	0	8 1/2	E	CORE	TO	STDP	RIG	8359	8359	8359	6975	6518	POOH PUMP OUT F/ 8,359' TO 9-5/8" CSG SHOE @ 6,975' W/ 77 PCF WBM & 100% CIRC. - FLOW CHECK FOR 30 MIN, WELL STATIC.		
06.2	2245 - 0500	0	8 1/2	E	CORE	TO	STDP	RIG	8359	8359	6975	1600	6518	CONT POOH CONTROLLED SPEED (RUN#7) 8-1/2" CORING BHA W/ RECOVERED CORE F/ 6,975' FT TO 1,600'. - MONITORED WELL ON TRIP TANK & TRIP SHEET.		

- FLOW CHECK AT 5 STD'S BEFORE BHA, WELL STATIC.

#### Out of Scope Details

From	Hrs	Cum. Hrs	DOOS ID	Type	Category	Out of Scope Summary
13 Feb 0030	24	324.75	6518	OOS	CORE	OUT OF SCOPE CORING OPERATION.

RIG IS LOCATED 10 KM NW OF HRDH GOSP-2., BRRI-1149 WELL WHICH WILL BE DRILLED AS A VERTICAL OBSERVATION WELL TARGETING ARAB-C RESERVOIR TO MONITOR SATURATION AND SWEEPS PERFORMANCE BETWEEN AN EXISTING INJECTOR AND PRODUCER. THE 7" LINER WILL BE RUN TO WELL TD. THE WELL WILL BE COMPLETED WITH UPPER COMPLETION 7" RETRIEVEABLE PACKER WITH 4 1/2" TBG INCLUDING PDHMS & TRSSV (TUBING RETRIEVEABLE SUBSURFACE SAFETY VALVE), WILL BE CARRIED OUT WITH ZERO DISCHARGE INTO THE ENVIRONMENT.

#### =====WELL DATA=====

- 30" CSG PLAN/ACTUAL: 200'/198'.
- 24" CSG PLAN/ACTUAL: 727'/727'.
- 18-5/8" CSG PLAN/ACTUAL: 3352'/3395, (120 FT TVD INTO LAMS), DVT @+/-577'.
- 13-3/8" CSG PLAN/ACTUAL: 5209'/5,061' (20 FT TVD ABOVE SHUAIBA), DVT @3190'.
- 9-5/8" CSG PLAN/ACTUAL: 7001'/6,982' (+/-50 FT INTO HITH) TVD, DVT @5059'.
- 7" LINER PLAN/ACTUAL: 9017'XXXXX MD (2316' MD INTO LFDL.), TOL @ 6701' .

#### =====ARAMCO PERSONNEL ON LOC.=====

- KHALED ALSHAHRANI, ARAMCO FCT, BADGE#795232. ON LOCATION.
- ARAMCO GEOLOGIST ALGHAMDI, TARIQ #798170 ON LOCATION.

#### =====SIMOPS PLANNING=====

-NO SIMOPS.

#### =====LSTK BAKER CONTRACTOR DSV=====

- BAKER DSV: MOHAMED / KHALED.

#### Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD		N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS
MUD DATA	Weight <b>77</b>	PCF <b>52</b>	Funnel Vis. <b>SEC</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>18</b>	YP <b>27</b>		Electrical Stability <b>0</b> Volts	3/6 RPM <b>7 / 9</b>	Gels Sec/Min <b>8 / 10</b>	PH <b>10</b>	CA PPM <b>200</b>	CL PPM <b>37000</b>		
	FL Temp <b>120</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>86</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>14</b>		Sand Vol. % <b>0</b>	% LGS	MBT		Mud type <b>NCPOL</b>	SEA	Water Well #		
	Weight <b>77</b>	PCF <b>52</b>	Funnel Vis. <b>SEC</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>19</b>	YP <b>25</b>		Electrical Stability <b>0</b> Volts	3/6 RPM <b>7 / 9</b>	Gels Sec/Min <b>8 / 10</b>	PH <b>10</b>	CA PPM <b>200</b>	CL PPM <b>37000</b>		
	FL Temp <b>120</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>86</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>14</b>		Sand Vol. % <b>0</b>	% LGS	MBT		Mud type <b>NCPOL</b>	SEA	Water Well #		
MUD TREATMENT	CAUST <b>2(50LB)</b>	DRIL-STARCH <b>13(50LB)</b>	HYSTAR-P <b>9(50LB)</b>	MLCRB-10V <b>5(50LB)</b>	MLCRB-30V <b>9(50LB)</b>	CACO3-5 <b>5(50LB)</b>	CACO3-25 <b>15(50LB)</b>	ECCO-TEMP <b>1(50LB)</b>								
BIT DATA	Bit Number <b>11RR</b>	IADC <b>S344</b>	Size <b>8.5</b>	Manufacturer <b>CSL</b>	Serial Number <b>UD299002</b>	Type <b>MCP580</b>	Jets <b>/</b>	TFA <b>8259</b>	MD In <b>8359</b>	MD Out	TVD Out					
	Feet <b>10</b>	Hours <b>70</b>	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
DRILL STRING	Float <b>Y</b>															
	BHA Hrs: <b>48</b>															
	String Wt. <b>246</b>	Pick Up <b>246</b>	Slack Off <b>247</b>		Rot. Torque <b>4000</b>		Jars: Serial #/Hrs		/ <b>160.3</b>		Shock Sub:		/	Mud Motor:	/	
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	<b>1</b>	Bit			<b>CSL</b>	<b>8.5</b>	<b>1</b>	<b>8.5</b>	<b>4</b>	<b>1.2</b>						<b>UD299002</b>
	<b>2</b>	Core Barrel			<b>CPR</b>	<b>8.5</b>	<b>1</b>	<b>8.5</b>	<b>4</b>	<b>107</b>	<b>4-1/2"IF</b>					
	<b>3</b>	Crossover			<b>RIG</b>	<b>6.7</b>	<b>1</b>	<b>6.7</b>	<b>3</b>	<b>1.74</b>	<b>4-1/2"REG</b>	<b>4-1/2"IF</b>				
	<b>4</b>	Float Sub			<b>RIG</b>	<b>6.5</b>	<b>1</b>	<b>6.5</b>	<b>2.875</b>	<b>3.02</b>	<b>4"IF</b>	<b>4-1/2"REG</b>				
	<b>5</b>	Drillcollar			<b>RIG</b>	<b>6.5</b>	<b>15</b>	<b>6.5</b>	<b>2.812</b>	<b>457.49</b>	<b>4"IF</b>	<b>4"IF</b>				
	<b>6</b>	Hydro-Mechanical Jar			<b>OJR</b>	<b>6.5</b>	<b>1</b>	<b>6.5</b>	<b>2.313</b>	<b>33.26</b>	<b>4"IF</b>	<b>4"IF</b>				<b>HMJ-675-239</b>
	<b>7</b>	Drillcollar			<b>RIG</b>	<b>6.5</b>	<b>2</b>	<b>6.5</b>	<b>2.812</b>	<b>61.61</b>	<b>4"IF</b>	<b>4"IF</b>				
	<b>8</b>	Crossover			<b>RIG</b>	<b>6.5</b>	<b>1</b>	<b>6.5</b>	<b>2.875</b>	<b>2.09</b>	<b>4 1/2"IF</b>	<b>4"IF</b>				
	<b>9</b>	Heavy Weight Drillpipe (HWDP)			<b>RIG</b>	<b>5</b>	<b>15</b>	<b>5</b>	<b>3</b>	<b>459.84</b>	<b>4 1/2"IF</b>	<b>4 1/2"IF</b>				
	<b>10</b>	Drillpipe			<b>RIG</b>	<b>5</b>	<b>1</b>	<b>5</b>	<b>4.25</b>		<b>4 1/2"IF</b>	<b>4 1/2"IF</b>				
Miscellaneous	BOP Test <b>02/10/2023</b>		BOP Drills <b>2/2/2023</b>		Wind	Sea	Weather <b>SEASONAL</b>		DSLTA <b>1811</b>	Safety Meeting <b>DAILY OPERATION</b>						
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency		100%	Real-Time Hrs		11.49/24 hrs			
	COMPANY		OTH	CPR	BHI	RIG	BDF	TK2	ARM	MI2	OTH	TK2	ARM			
Personnel and Services Information	CATEGORY		CTRG	CEQS	DPDS	RIG	DFMS	OTHR	OTHR	SCS	VAC	WSC	WSC			Total <b>99</b>
	NO. OF PERSONS		13	4	2	57	2	5	2	6	4	2	2			

	OPERATING HRS.	<b>0</b>	<b>24</b>	<b>0</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>24</b>	<b>24</b>
	ON LOCATION HRS.	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>
Trucks/Boats	Standby/Tankers										
	<b>ARAMCO VEHICLE#AB-4941</b>										
BULK	Drill Wtr.-BBLS <b>1000</b>	Pot Wtr.- BBLS <b>250</b>	Fuel- BBLS <b>420</b>	Barite- SX <b>200</b>	Bentonite - SX <b>2000</b>	Cement G- SX <b>1200</b>					
REPAIR ASAP	Instrumentation	Other									Reporter
	Computer, Communication & V-Sat Issues										

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>SDGM-358 (ST AS SINGLE LATERAL OIL PRODUCER ACROSS ARAB D ZONE 1)</b> Charge #: (71- 23054- #: 0358) Wellbores: (0- 1) SDGM_358_1	Rig <b>SINO- 36L</b>	Foreman(s) <b>SHEHATA, MOHAMED ELSAYED/ SUBAIE, ABDULLAH NASSER/ ALTHUBAITI, OMAR</b> Engineer <b>ABDULLATEEF/ SAAD, SAAD RASHED</b> Superintendent	THURAYA +8821677711243	RIG FORMAN VSAT <b>0135727224</b>	OTHER VSAT <b>0135726041</b>	CONTRACTOR/CLERK VSAT <b>0138387868 / 0504790380</b>
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Depth	Last 24 hr operations			Next 24 hr plan			Location			Days Since Spud/Comm (Date)		Formation tops	
<b>11835</b>	<b>R/D ON SDGM-365 &amp; R/M, R/U OVER SDGM-358.</b>			<b>R/D ON SDGM-365 &amp; R/M, R/U OVER SDGM-358.</b>			<b>108.18 KM FROM DHARAN MAIN GATE.</b>			<b>0.0 (@)</b>			
Prev. Depth	Liner Size			TOL	MD	TVD	Last Csg Size	MD	TVD	Footage		Circ %	<b>0</b>
<b>12070</b>	<b>4 1/2</b>			<b>5573</b>	<b>7355</b>	<b>7355</b>	<b>9 5/8</b>	<b>4377</b>	<b>4377</b>	<b>-235</b>			

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations	
									Start	End	Start	End		
<b>24.0</b>	<b>0500 - 0500</b>	<b>0-1</b>		<b>N</b>	<b>RM</b>	<b>RD</b>	<b>NA</b>	<b>RIG</b>	<b>11846</b>	<b>11846</b>			<b>HELD SAFETY MEETING WITH ALL PERSONNEL INVOLVED IN RIG MOVE OPERATION.</b>	
													<b>RIG DOWN ON SDGM-365 AND RIG MOVE TO SDGM-358.</b>	
													<b>- R/D - 30 %</b> <b>- R/M - 20 %</b> <b>- R/U - 15 %</b>	
													<b>-----</b>	
													<b>OFFLINE OPERATION ON SDGM-358:</b>	
													<b>- RECORD SIWHP: 1000 PSI, TCA: 100 PSI. R/U SURFACE LINES, P/T SAME TO 1500 PSI.</b>	
													<b>- LINE UP CMT UNIT TO TBG SIDE, INJECTIVITY RATE 4 BPM @ 1200 PSI.</b>	
													<b>- RIG UP HES S/L LUBRICATOR, PT SAME TO 1500 PSI.</b>	
													<b>- RIH W/3.79" GC, TAG XN-NIPPLE @ 5538', POH.</b>	
													<b>- RIH W/2.5" G.C TO 5700', POH.</b>	
													<b>- RIH &amp; SET A SHALLOW 4 1/2" MONO-LOCK PLUG AT 200' &amp; P/T SAME.</b>	
													<b>- FINAL SIWHP AFTER SET MONOLOCK PLUG =0 PSI.</b>	
													<b>-----</b>	
													<b>- RIG MOVE DISTANCE: 16 KM (NON-HIGHWAY).</b>	

#### =====SAFETY=====

>> HELD SAFETY MEETINGS WITH ALL INVOLVED PERSONNEL.

#### =====RIG MOVE EQUIPMENT=====

- 25 X LOW BED, 5 X HIGH BED, 6 X CRANES, 2 X FORKLIFT.

- 2 RIGGER-1 & 3 TRUCK PUSHER.

- ALL PERSONNEL & EQUIPMENT GOT VALID CERTIFICATIONS & STICKERS.

- DAYS SINCE RIG RELEASE: 1 DAY & 0 HR'S.

- RIG MOVE DISTANCE : 16 KM (NON-HIGHWAY).

- DAILY LOADS 38.

- TOTAL LOADS 38.

#### ===== FUEL CONSUMPTION =====

>> DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) = (DAILY: 7 BBL / CUMULATIVE FOR CURRENT WELL: 7 BBL).

#### =====PERSONNEL=====

>> HALLIBURTON DSV: SAMEH (DAY), MOHAMMED (NIGHT), KAMRAN (HSE)

#### =====EMS=====

6000 GAL 4 EA VACUUM TANKERS DRSS# 1003840838.

> VACUUM TANKER, PLATE# 6280, TOTAL : 2 TRIPS.

> VACUUM TANKER, PLATE# 3498, TOTAL : 2 TRIPS.

> VACUUM TANKER, PLATE# 2317, TOTAL : 2 TRIPS.

> VACUUM TANKER, PLATE# 6421, TOTAL : 2 TRIPS.

#### ===== NEXT LOCATION READNESS =====

>> SDGM-570 ..... KOM HELD ON 01/25/2023. STRIP OUT 0 % & LOCATION 20%.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
MUD DATA									
MUD TREATMENT									
BIT DATA									
DRILL	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread Bottom Thread Weight Grade Class Serial #

STRING								
Miscellaneous	BOP Test	BOP Drills	Wind	SEASONAL	Sea N/A	Weather COLD	DSLTA	Safety Meeting RIG MOVE
		Real-Time Data Quality				No Transmission		
Personnel and Services Information	COMPANY	TGC	RIG	BAR	TK1	ARM		Total 74
	CATEGORY	CTR G	RIG	DFMS	WSC	WSC		
	NO. OF PERSONS	13	55	1	4	1		
	OPERATING HRS.	0	24	0	24	24		
	ON LOCATION HRS.	24	24	24	24	24		
Trucks/Boats	Standby/Tankers <b>DH-7514</b>							
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX		
REPAIR ASAP	Instrumentation	Other						Reporter
	Computer, Communication & V-Sat Issues							

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D&WO Morning Report (Service Providers View) Copyright 2010 Saudi Aramco. All Rights Reserved Daily Onshore (0500-0500) Saudi Aramco	Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HWYH-388 (ST AS SINGLE LATERAL OIL PRODUCER AD2A.)</b> Charge #: <b>(71-22053- 0388)</b> Wellbores: (0- 1) HWYH_388_1	Rig <b>SINO- 37L</b>	Foreman(s) <b>DAHAH, MOHAMMED EL HABIB/ SUBAIE, ABDULLAH NASSER/ ALBLWEI, AHMED JMIAL</b> Engineer Superintendent
THURAYA <b>+8821677712317</b>	RIG FORMAN VSAT <b>013-577-9618</b>	RIG FORMAN VSAT <b>013-577-9604</b>	MOBILE <b>HALLIBURTON/0500040894</b>	CONTRACTOR/CLERK VSAT <b>HALLIBURTON /013885347869</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
9273	CONT. POOH 3 7/8" C/O ASSY TO SURFACE & L/D BHA, JET BOP'S, CHANGE TOP RAM TO 2 7/8" SIZE, FULL BOP'S TEST, RIH WITH 3 1/4" C/O ASSY.	RIH W/ 3 1/4" C/O ASSY ABOVE BALL SEAT, CHC, DISPLACE TO FREE SOLIDS BRINE, POOH 3 1/4" C/O ASSY & L/D ALL DP'S.	1.3 KM N-NW HWYH GOSP-3	19.7 (02/07/2023@1300)	ABAR 5422 5502' MD (9.2 FT SHALLOWER) ARBB 5465 5556' MD (8.1 FT SHALLOWER) ABBR 5528 5642' MD (6.7 FT SHALLOWER) ARBC 5551 5674' MD (8.6 FT SHALLOWER) ABCR 5639 5803' MD (3.2 FT SHALLOWER) ARBD 5755 6020' MD (15.2 FT SHALLOWER) PADS 5904 6599' MD (5.1 FT DEEPER) HITH 4993 5017' MD (1.8 FT DEEPER) BPDS 5909 6638' MD (6.5 FT DEEPER) ABD1 5951 7247' MD (17.4 FT DEEPER) AD2A 5956 7326' MD (15.2 FT DEEPER)
Prev. Depth	Liner Size	TOL	MD	TVF	Last Csg Size MD TVD Footage Circ %
9273	4 1/2	4398	7284	5954	9 5/8 32963296 0 100

9273		4 1/2		4398			7284		5954		9 5/8		32963296		0	100	
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations				
									Start	End	Start	End					
00.5	0500 - 0530	0-1		C	CT	TO	STD P	RIG	9273	9273	5870	4445	CONTINUE POOH WITH 3 7/8" CLEAN OUT ASSEMBLY FROM 5870' TO 4445' (47' BELOW 4 1/2" TOL); RACK BACK 4" DP STANDS.				
01.0	0530 - 0630	0-1		C	CT	CIRC	MPMP	RIG	9273	9273			SWEEP HOLE WITH 40 BBLS HI-VIS PILL AND CIRCULATE HOLE CLEAN WITH 300 GPM; 2700 PSI; FLOW CHECK, WELL STATIC. > RECIPROCAE & ROTATE STRING WHILE CIRCULATION.				
00.5	0630 - 0700	0-1		C	CT	TO	STD P	RIG	9273	9273	4445	3092	CONTINUE POOH WITH 3 7/8" CLEAN OUT ASSEMBLY FROM 4445' TO 3092'; RACK BACK 4" DP STANDS.				
00.5	0700 - 0730	0-1		C	CT	HT	STRG	RIG	9273	9273			L/D DRILLING JAR.				
00.5	0730 - 0800	0-1		C	CT	HT	STRG	RIG	9273	9273			R/D 4" DP HANDLING TOOLS; R/U 2 3/8" DP HANDLING TOOLS.				
02.5	0800 - 1030	0-1		C	CT	TO	SPDP	RIG	9273	9273	3092	1160	POOH WITH 3 7/8" CLEAN OUT ASSEMBLY FROM 3092' TO 1160' (55' BELOW 7" TOL), L/D 62 JOINT 2 3/8" DP.				
00.5	1030 - 1100	0-1		C	CT	CIRC	MPMP	RIG	9273	9273			SWEEP HOLE WITH 30 BBLS HI-VIS PILL AND CIRCULATE HOLE CLEAN WITH 300 GPM; 1100 PSI.				
01.5	1100 - 1230	0-1		C	CT	TO	SPDP	RIG	9273	9273	1160	0	CONTINUE POOH WITH 3 7/8" CLEAN OUT ASSEMBLY FROM 1160' TO SURFACE, L/D 38 JOINT 2 3/8" DP & L/D 3 7/8" BIT. > BIT DULL GRADING (1-1-WT-A-X- I-NO-TD).				
00.5	1230 - 1300	0-1		C	CT	HT	STRG	RIG	9273	9273			R/D 2 3/8" DP HANDLING TOOLS, R/U 4" DP HANDLING TOOLS.				
02.0	1300 - 1500	0-1		C	BOP	OTH	BOP	RIG	9273	9273			PU & MU JETTING ASSEMBLY {JUNK SUB, 7" MAGNET, 5 JOINTS 4" DP, JETTING TOOL, 2 JOINTS 4" DP} CONNECT TDS, JET BOP'S AND WELLHEAD, POOH & LD SAME.				
01.5	1500 - 1630	0-1		C	BOP	BOP	RAMS	RIG	9273	9273			HPJSM, CHANGE TOP RAM TO 2 7/8" SIZE.				
04.5	1630 - 2100	0-1		C	BOP	BOPT	BOP	RIG	9273	9273			HPJSM; FULL PRESSURE TEST BOP'S AS PER ARAMCO STANDARD.				
01.0	2100 - 2200	0-1		C	CT	HT	STRG	RIG	9273	9273			R/D 4" DP HANDLING TOOLS, R/U 2 7/8" HANDLING EQUIPMENT'S.				
03.0	2200 - 0100	0-1		C	CT	TI	SPDP	RIG	9273	9273	0	2083	HPJSM, P/U, M/U & RIH WITH 3 1/4" CLEAN OUT ASSEMBLY ON 2 7/8" PAC DP TO 2083' (TOTAL 67/151 JOINTS FROM RACK).				
00.5	0100 - 0130	0-1		C	CT	HT	STRG	RIG	9273	9273			PU, MU 2 X, 0, 3 1/2" MAGNET & 3 7/8" STRING MILL.				
03.5	0130 - 0500	0-1		C	CT	TI	SPDP	RIG	9273	9273	2083	4290	CONTINUE P/U, M/U & RIH WITH 3 1/4" CLEAN OUT ASSEMBLY ON 2 7/8" PAC DP FROM 2083' TO 4290' (TOTAL 137/151 JOINTS FROM RACK).				

**ODF= - 15.5'**

>> TOW: 4550', BOW: 4563', KOP: 4575'.

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— = — = — = — = —

**NEXT LOCATION:** \_\_\_\_\_

HWYH

BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	<b>500</b>	
REPAIR ASAP	Instrumentation	Other					Reporter

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	Order	Component		Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
DRILL STRING	1	Bit		SEC	6.125	0	6.125	2.61	0.76	3-1/2" REG P					13807927R
	2	RSS		SPS	4.75	0	5.875	3.636	35.08	3-1/2"IF B					13182854
	3	Stabilizer		SPS	5.938	0	4.75	2.5	5.1	3-1/2"IF B					
	4	Logging While Drilling (LWD)		SPS	4.75	0	4.75	1.92	8.8	3-1/2"IF B					
	5	Logging While Drilling (LWD)		SPS	4.75	0	4.75	1.25	27.13	3-1/2"IF B					
	6	Logging While Drilling (LWD)		SPS	4.75	0	4.75	1.25	14.31	3-1/2"IF B					
	7	Logging While Drilling (LWD)		SPS	0.75	0	4.75	1.25	10.96	3-1/2"IF B					
	8	Logging While Drilling (LWD)		SPS	4.75	0	4.75	2.61	8.93	3-1/2"IF B					
	9	Stabilizer		SPS	5.938	0	4.75	2.5	3.59	3-1/2"IF B					
	10	Measurement While Drilling (MWD)		SPS	4.75	0	4.75	2	10.99	3-1/2"IF B					
	11	Screen sub		SPS	4.75	0	4.75	2.61	6.07	3-1/2"IF B					
	12	Float Sub		SPS	4.75	0	4.75	2	3.21	3-1/2"IF B					
	13	Crossover		RIG	4.75	0	4.75	2.573	1.82	4"XT39 B					
	14	Heavy Weight Drillpipe (HWDP)		RIG	4	3	4	2.563	92.13	4"XT39 B					
	15	Hydraulic Jar		WJS	4.75	0	4.75	2.25	31.59	4"XT39 B					1420-1805
	16	Heavy Weight Drillpipe (HWDP)		RIG	4	2	4	2.563	61.68	4"XT39 B					
	17	Drillpipe		RIG	4	120	4	3.34	4754.97	4"XT39 B					
	18	Heavy Weight Drillpipe (HWDP)		RIG	4	45	4	2.563	1375	4"XT39 B					
	19	Drillpipe		RIG	4	0	4	3.34	4173	4"XT39 B					
Miscellaneous	BOP Test	BOP Drills		Wind	Sea		Weather	DSLTA		Safety Meeting					
	02/16/2023	SEASONAL		NA	SEASONAL			TOURLY							
	Real-Time Data Quality	Sensors Quality		81%	Data Frequency		100%	Real-Time Hrs		11.48/24 hrs					
Personnel and Services Information	COMPANY	TGC	SPS	RIG	BAR	TK1	ARM								Total 87
	CATEGORY	CTRG	DPDS	RIG	DFMS	WSC	WSC								
	NO. OF PERSONS	16	4	62	2	2	1								
	OPERATING HRS.	0	24	24	24	24	24								
	ON LOCATION HRS.	24	24	24	24	24	24								
Trucks/Boats	Standby/Tankers														
	PICK-UP DH-7521														
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX									
REPAIR ASAP	Instrumentation	Other													Reporter

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Date	Well No (Type) :	Rig	Foreman(s)	MOMEN, JAFAR ABDULKAREEM/ CHE JAFFAR, NOOR CHOZIN ALI/ ALKHALDI, HAMAD AZZAM
MONDAY 02/27/2023	UTMN-4083 (ARAB-D EVALUATION 43L / OIL PRODUCER (EVPR)) Charge (66- 22057- #: 4083) Wellbores: (0) UTMN_4083_0	SINO-	THURAYA	RIG FORMAN VSAT 008821677712805 578 4016 578-4315 (CLINIC)
			OTHER VSAT	CONTRACTOR/CLERK VSAT 578 4136 (CLERK) 813 7801 (SLB)
				CONTRACTOR/CLERK VSAT

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
208	CONT. DRILL 22" HOLE SECTION. HAT TOTAL CONT. DRILL TO 18-5/8" LOSSES AT 127'. DRILLED 50' BELOW LCZ. SPOT CMT PLUG. WOC. M/U 22" RTRY BHA. C/O CMT. CONT. DRILL 22" SECTION.	165 KM FROM DHAHRAH CSG POINT AT 814'. RUN & CMT 18-5/8" CSG, WOC, ABQAIQ MAIN GATE, 1 KM P/U & M/U 16" BHA.	MAIN GATE, 106 KM FROM FROM GOSP#4.	1.1 (02/26/2023@0300)	
Prev. Depth 60	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ % 148 100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations					
									Start	End	Start	End						
10.0	0500 - 1500	0	22	N	DRLG	D	TDS	RIG	60	128			CONT. RTRY DRLG 22" VERTICAL HOLE F/ 60' T/ 128' W/ 64 PCF HI-BENTONITE SPUD MUD & 100% RETURN. - SWEEP HOLE W/ 30 BBL HVP EVERY JT DRILLED. - OBSERVE CELLAR AREA ALL THE TIME.					
00.5	1500 - 1530	0	22	N	DRLG	CIRC	MPMP	RIG	128	128			HAD TOTAL LOSSES AT 128', PICK UP OFF BOTTOM, SWEEP HOLE W/ 50 BBL HI-VIS-PILL & CHC.					
03.0	1530 - 1830	0	22	N	DRLG	D	TDS	RIG	128	178			RESUME ROTARY DRLG 22" VERTICAL HOLE F/ 128' T/ 178' (50' BELOW LCZ) W/ 64 PCF HI-BENTONITE SPUD MUD & 0% RETURN. - PUMP 64 PCF MUD AT 1-2 BPM IN ANNULUS CONTINUOUSLY. - SPOT 50 BBL HVP ON BTM BEFORE CONNECTION.					
00.5	1830 - 1900	0	22	N	DRLG	CIRC	MPMP	RIG	178	178			SWEEP & CHC, SPOT 50 BBLS HI-VIS ON BTM. - PUMP 64 PCF MUD CAP AT 1-2 BPM IN ANNULUS CONTINUOUSLY.					
00.5	1900 - 1930	0	22	N	DRLG	HT	BHA	RIG	178	178	178	0	POOH 22" BHA TO SURFACE AND RACK BACK ON DERRICK.					
00.2	1930 - 1945	0	22	N	DRLG	ST	STD	RIG	178	178	0	120	RIH 5" OEDP TO 120', 8 FT ABOVE LCZ.					
00.8	1945 - 2030	0	22	N	DRLG	OTH	NA	RIG	178	178			RU CMT SURFACE LINES AND TESTED SAME TO 2000 PSI, OK.					
00.8	2030 - 2115	0	22	N	DRLG	CMP	OEDP	SCM	178	178	178	0	HPJSM, SPOT CMT PLUG AS FOLLOWS: - PUMP 20 BBL SPACER AHEAD. - PUMP 150 BBL 118 PCF CEMENT SLURRY. - DISPLACED W/ 2 BBL WATER. NO RETURNS DURING CMT JOB.					
00.2	2115 - 2130	0	22	N	DRLG	ST	STD	RIG	178	178	120	0	R/D CMT LINE & POOH WITH 5" OEDP TO SURFACE.					
02.0	2130 - 2330	0	22	N	DRLG	WOC	SQZ	RIG	178	178			WOC. MEANWHILE P/U & M/U 10 STANDS 5" DP.					
00.5	2330 - 0000	0	22	N	DRLG	ST	STD	RIG	178	178	0	96	RIH WITH 5" DP STD TAGGED TOP OF CMT AT 96 FT. - PRECAUTIONARY WASH DOWN AT 100 GPM WHILE RIH. - OBSERVED RETURNS. MONITORED RETURNS FOR 15 MINS AT 100 GPM. OK. POOH OEDP.					
00.5	0000 - 0030	0	22	N	DRLG	HT	BHA	RIG	178	178			M/U & RIH 28" RTRY BHA.					
02.5	0030 - 0300	0	22	N	DRLG	DC	TDS	RIG	178	178	96	178	D/O MIDUM HARD CMT F/ 96' T/ 178' W/ 100% RETURNS. - CONTINUOUSLY MONITORED CELLAR. - PUMPED 30 BBL HI-VIS PILL AFTER DRILLING 30 FT. - SWEEP 50 BBL HI VIS PILL AT STAND DOWN.					
02.0	0300 - 0500	0	22	N	DRLG	D	TDS	RIG	178	208			CONT. ROTARY DRLG 22" VERTICAL HOLE F/ 178' T/ 208' W/ 64 PCF HI-BENTONITE SPUD MUD & 100% RETURN. - SWEEP HOLE W/ 30 BBL HVP EVERY 30 FT DRILLED. - REAM UP/REAM DOWN FULL STAND. - SPOT 50 BBLS HI-VIS BEFORE CONNECTION. - OBSERVE CELLAR AREA ALL THE TIME.					

#### ===== WELL OBJECTIVE =====

UTMN-4083 WILL BE DRILLED AND COMPLETED AS VERTICAL EVALUATION / OIL PRODUCER (EVPR) ACROSS ARAB-D RESERVOIR. THIS WELL MIGHT BE COMPLETED WITH 4-1/2" CEMENTED LINER AS CASED HOLE AND WILL BE PERFORATED BASED ON LOGGING RESULTS. CONVENTIONAL UPPER COMPLETION WITH PRODUCTION PACKER WILL BE RUN.

#### ===== WELL DESIGN =====

- GOR=515 SCF/STB (ARBD) H2S : 1.18 MOL %, RER 30 PPM @ 565 M, RER 100 PPM @ 291 M & 1/2 LFL @ 120 M.

- 18-5/8" CP PLANNED/ACTUAL: 814'XXX' (50' TVD INTO RUS).
- 13-3/8" CP PLANNED/ACTUAL: 2,618'XXX' TVD (50' TVD INTO AHMADI FM).
- 9-5/8" CP PLANNED/ACTUAL: 4,281'XXX' TVD (300' TVD INSIDE BIYADH).
- 7" LP PLANED/ACTUAL: 6,984'XXX' MD (5' TVD ABOVE ARAB-D ZONE-1).
- 6-1/8" OPEN HOLE SECTION PLAN/ACTUAL 7,413'XXX' MD.

#### ===== ARAMCO PERSONNEL =====

NONE.

#### ===== NEXT WELL DATA =====

- WELL NAME: HRDH-347
- WELL CHARGE NUMBER: N/A
- APPROVED ERP: N/A
- APPROVED DRILLING PROGRAM: N/A
- LOCATION PROGRESS: N/A

- LAST VISIT DATE: N/A
- LAST COMMUNICATION W/ WELLSITE ENG: N/A
- WATER WELL: N/A

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS	
MUD DATA	Weight <b>65</b> PCF	Funnel Vis. <b>80</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>9</b>	YP <b>35</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>29 / 30</b>	Gels Sec/Min <b>35 / 43</b>	PH <b>9.5</b>	CA PPM <b>200</b>	CL PPM <b>1000</b>				
	FL Temp <b>108</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>97</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>3</b>	Sand Vol. % <b>0</b>	% LGS	MBT	Mud type <b>HB-MUD</b>	Water Well # <b>UTMN-3522</b>					
	Weight <b>65</b> PCF	Funnel Vis. <b>131</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>13</b>	YP <b>52</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>38 / 42</b>	Gels Sec/Min <b>41 / 47</b>	PH <b>9.7</b>	CA PPM <b>240</b>	CL PPM <b>1000</b>				
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>96.5</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>3.5</b>	Sand Vol. % <b>0</b>	% LGS	MBT	Mud type <b>HB-MUD</b>	Water Well # <b>UTMN-3522</b>					
MUD TREATMENT	<b>MARBLE-CRSE</b>		<b>MRBL-M CAUST</b>	<b>XC</b>	<b>CAOH2</b>	<b>SPERS</b>	<b>BENT</b>	<b>MICA-FINE</b>								
	1(2200L)		2(2200L)	15(25KG)	2(25KG)	14(25KG)	60(50LB)	58(2200L)	80(50LB)							
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets			TFA	MD In	MD Out	TVD Out			
	<b>1RR</b>	<b>435</b>	<b>22</b>	<b>SMT</b>	<b>RG7398</b>	<b>GS12VEJ3 / 3 X 13 / 3 X 16 / 3 X 15 / 3 X 18 /</b>	<b>2.241</b>	<b>40</b>	<b>208</b>							
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
												<b>550</b>	<b>79</b>	<b>29.37</b>	<b>32.74</b>	<b>15</b>
	Float	<b>Y</b>														
	BHA Hrs:															
	String Wt.	Pick Up	Slack Off		Rot. Torque <b>4500</b>			Jars: Serial #/Hrs			/	Shock Sub:	/	<b>36</b>	Mud Motor:	/
DRILL STRING	Order	Component		Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #	
	<b>1</b>	Bit		<b>SMT</b>	<b>22</b>		<b>22</b>		<b>1.85</b>	<b>7-5/8" REG</b>				<b>RG7398</b>		
	<b>2</b>	Near Bit Roller Reamer		<b>RIG</b>	<b>22</b>	<b>1</b>	<b>22</b>	<b>3</b>	<b>8.15</b>	<b>7-5/8" REG</b>						
	<b>3</b>	Shock Sub		<b>RIG</b>	<b>12</b>	<b>1</b>	<b>12</b>	<b>3.25</b>	<b>14.05</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>			<b>8888583002</b>		
	<b>4</b>	Drillcollar		<b>RIG</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>2.875</b>	<b>29.29</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>					
	<b>5</b>	String Reamer		<b>RIG</b>	<b>22</b>	<b>1</b>	<b>22</b>	<b>3</b>	<b>7.96</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>					
	<b>6</b>	Drillcollar		<b>RIG</b>	<b>9.5</b>	<b>2</b>	<b>9.5</b>	<b>2.875</b>	<b>59.02</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>					
	<b>7</b>	Crossover		<b>RIG</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>2.875</b>	<b>2.09</b>	<b>6-5/8" REG</b>	<b>7-5/8" REG</b>					
	<b>8</b>	Drillcollar		<b>RIG</b>	<b>8.5</b>	<b>9</b>	<b>8.5</b>	<b>2.785</b>	<b>272.41</b>	<b>6-5/8" REG</b>	<b>6-5/8" REG</b>					
	<b>9</b>	Crossover		<b>RIG</b>	<b>8.5</b>	<b>1</b>	<b>8</b>	<b>2.875</b>	<b>1.6</b>	<b>4-1/2" IF</b>	<b>6-5/8" REG</b>					
	<b>10</b>	Heavy Weight Drillpipe (HWDP)		<b>RIG</b>	<b>5</b>	<b>15</b>	<b>6.625</b>	<b>3</b>	<b>462.54</b>	<b>4-1/2" IF</b>	<b>4-1/2" IF</b>					
	<b>11</b>	Drillpipe		<b>RIG</b>	<b>5</b>	<b>0</b>	<b>6.625</b>	<b>3.5</b>	<b>0</b>	<b>4-1/2" IF</b>	<b>4-1/2" IF</b>					
Miscellaneous	BOP Test	BOP Drills		Wind	Sea	Weather	DSLTA			Safety Meeting						
				<b>NORMAL</b>	<b>N/U</b>	<b>SEASONAL</b>				<b>PRE TOUR SAFETY MEETING</b>						
	Real-Time Data Quality			Sensors Quality		<b>96%</b>	Data Frequency		<b>96%</b>	Real-Time Hrs		<b>11.24/24 hrs</b>				
Personnel and Services Information	COMPANY		<b>SLC</b>	<b>TGC</b>	<b>RIG</b>	<b>SMI</b>	<b>MJH</b>	<b>RIG</b>	<b>RIG</b>	<b>TK3</b>	<b>RIG</b>	<b>SCM</b>	<b>TK3</b>	<b>ARM</b>	<b>Total 106</b>	
	CATEGORY		<b>CSR</b>	<b>CTRG</b>	<b>RIG</b>	<b>DFMS</b>	<b>SEC</b>	<b>SEC</b>	<b>MED</b>	<b>OTHR</b>	<b>OTHR</b>	<b>PCS</b>	<b>WSC</b>	<b>WSC</b>		
	NO. OF PERSONS		<b>8</b>	<b>12</b>	<b>60</b>	<b>1</b>	<b>5</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>8</b>	<b>3</b>	<b>2</b>	<b>1</b>		
	OPERATING HRS.		<b>0</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>3</b>	<b>24</b>	<b>24</b>		
	ON LOCATION HRS.		<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>		
Trucks/Boats	Standby/Tankers															
		<b>AB-7123</b>														
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS		Fuel- BBLS		Barite- SX		Bentonite - SX		Cement G- SX <b>3600</b>						
REPAIR ASAP	Instrumentation	Other		Computer, Communication & V-Sat Issues											Reporter	

Date	Well No (Type) :	Rig	Foreman(s)
MONDAY 02/27/2023	UTMN-1124 (ST AS SINGLE LATERAL OIL PRODUCER AD2A.) Charge #: (71- 23057- 1124) Wellbores: (0- 1) UTMN_1124_1	SINO- 45L	ALWAN, ALI ABDULLAH/ ALI, AMIN TAHA AMIN/ ALBLWEI, AHMED JMIAL
THURAYA	RIG FORMAN VSAT	OTHER VSAT	CONTRACTOR/CLERK
88-216-77712563	(013)577-9666	013838-9122 HALL	CONTRACTOR/CLERK VSAT (013)577-9642 (0505450589) SINO

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
5988	DRILL RAT HOLE. POOH. RIH 6-1/8" GYRO ORIENT MTR TF, DRILL 6-1/8" CURVE SECTION BHA.	6.5 KM SOUTH WEST FROM UTMN GOSP-8.	9.5	(02/17/2023@1600)	

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
5982	7	2440	6912	6912	9 5/8	4375	4375	6	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations															
									Start	End	Start	End																
07.5	0500 - 1230	0-1	6 1/8	N	DRLG	D	TDS	RIG	5982	5988			DRILL 6-1/8" RAT HOLE F/ 5982 FT TO 5988 FT. >> DRILLING PARAMETERS: 25 - 30 KLB WOB, PR: 260 GPM W/ 600 PSI, 80 RPM W/ 2.5 - 4.0 FT.LB. >> SWEEP HOLE W/ 15 BBL HVP EVERY 1 FT.															
00.5	1230 - 1300	0-1	6 1/8	N	DRLG	RW	BIT	RIG	5988	5988	5988	5982	DRESSED WINDOW SEVERAL TIME, DD CHECK WINDOW AND RAT HOLE WITH PUMP OFF AND NO ROTATION, OK.															
01.5	1300 - 1430	0-1	6 1/8	N	DRLG	CIRC	MPMP	RIG	5988	5988			SWEEP THE HOLE TWICE WITH 50 BBL HI-VIS MUD LOADED WITH BAROLIFT AND CHC. >> TOTAL JUNK COLLECTED AT SURFACE -/4 42 KG.															
01.0	1430 - 1530	0-1	6 1/8	N	DRLG	CIRC	MPMP	RIG	5988	5988			FLOW CHECK, WELL STATIC. PUMP SLUG.															
02.5	1530 - 1800	0-1	6 1/8	N	TINL	TO	STDP	RIG	5988	5988	5982	0	POH 6-1/8" MILLING BHA ON 4" DP/HWDP TO SURFACE. >> KEPT TRIP TANK RUNNING CONTINUOUSLY WITH 84 PCF VISCOSITY BRINE, WELL STATIC.															
02.0	1800 - 2000	0-1	6 1/8	N	DRLG	HT	BHA	RIG	5988	5988			FLOW CHECK AND L/D MILLING BHA. >> LEAD MILL: 1/16" UG, FLEX MILL 1/16" UG. >> M/U JET ASSEMBLY, JET BOP - NO RECOVERY. POH L/D JET ASSEMBLY.															
02.5	2000 - 2230	0-1	6 1/8	N	DRLG	HT	BHA	SPS	5988	5988			HPJSM, P/U AND M/U 6-1/8" DRILLNG BHA - CURVE SECTION. >> ALIGN UBHO/MWD WITH MTR.															
00.5	2230 - 2300	0-1	6 1/8	N	DRLG	HT	BHA	RIG	5988	5988			>> PERFORM SHALLOW TEST W/ 84 PCF VISCOSITY BRINE AT 230 GPM & 1050 PSI.															
06.0	2300 - 0500	0-1	6 1/8	N	DRLG	LDP	STRG	RIG	5988	5988	259	5973	M/U 4-3/4" WFD HYDRAULIC DJ (S/N: 1420-1838) TO 6-1/8" DRLG BHA. AND RIH ON 2 STAND 4" HWDP. >> P/U 41 STANDS 4" DP WHILE RIH. >> FILL & BREAK CIRCULATION EVERY 20 STAND W/ 84 PCF MUD.															

> ODF CORRECTION = -16.5'. TOW @ 5973 FT BOW @ 5982 FT.

=====DIRECTIONAL DATA=====

FOLLOWING UTMN\_1124\_L-0-1 PLAN #3 APPROVE ON 2/26/2023

SENSOR TO BIT: MWL: 43 FT, GR: 48 FT

=====

>> HALL LSTK1 AHMED YOUSSEF DAY DSV, MAHMOUD KAMAL NIGHT DSV, DINESH HSE.

=====

>> DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP) = (DAILY: 23.27 BBL / CUMULATIVE FOR CURRENT WELL: 228.63 BBL).

>> RIG & CAMP DIESEL PROVIDED BY HALLIBURTON LSTK.

=====NEXT LOCATION=====

>> UTMN-659 (UTMN GOSP-8) KOM SCHEDULED ON 2/28/2023 - WAITING ON WOCP.

>> UTMN-4015 (UTMN GOSP-9) KOM HELD ON 2/20/2023.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec		DLS	
MUD DATA	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM			
	84 PCF	45 SEC	0 HTHP	API	0	0	0 Volts	0 / 0	0 / 0	9.3	0	0			
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #				
	0	0	0	100	0	0	0	0	0	WBM-CAC	UTMN-983				
MUD TREATMENT	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM			
	84 PCF	48 SEC	0 HTHP	API	0	0	0 Volts	0 / 0	0 / 0	9.6	0	0			
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #				
BIT DATA	BRZN	MARBLE-FINE	DEXT	SUNSWEEP											
	12(25KG)	24(2200L)	13(25KG)	1(2LB)											
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #	
Miscellaneous	BOP Test		BOP Drills		Wind		Sea	Weather		DSLTA		Safety Meeting			
	02/22/2023		SW		NA		SEASONAL		TOURLY						
Personnel and Services Information	Real-Time Data Quality		Sensors Quality		96%	Data Frequency		100%	Real-Time Hrs		10.55/24 hrs				
	COMPANY		TGC	WWD	SPS	RIG	BAR	OGS	MSI	TK1	ARM				
	CATEGORY		CTR	WPSTK	DPDS	RIG	DFMS	ISS	ISPCT	WSC	WSC				
	NO. OF PERSONS		13	1	4	56	1	2	3	3	1				
	OPERATING HRS.		0	14	24	24	2	3	0	24	24				
ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24				
Trucks/Boats	Standby/Tankers		PICK-UP DH-7527												
BULK	Drill Wtr.-BBLS		Pot Wtr.- BBLS		Fuel- BBLS		Barite- SX		Bentonite - SX		Cement G- SX		650		
REPAIR ASAP	Instrumentation		Other		Computer, Communication & V-Sat Issues								Reporter		



D&WO Morning Report (Service Providers View)  
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Daily Onshore  
(0500-0500) Saudi Aramco

Date <b>MONDAY</b> <b>02/27/2023</b>	Well No (Type) : <b>SHYB-759</b> <b>(TRI-LATERAL /OIL PRODUCER)</b> Charge <b>(66- 22072- #: 0759)</b> Wellbores: (0) SHYB_759_0	Rig <b>SINO-</b> <b>46L</b>	Foreman(s) <b>WAKED, AHMED EZZAT/ KACED, TAREK/ OMETORUWA, EMMANUEL EMMANUEL/ BENACHA, MOHAMED</b> Engineer Superintendent
		THURAYA <b>008821677712265</b>	RIG FORMAN VSAT <b>BAKER DSV 8137803</b> OTHER VSAT <b>578-8512</b> CONTRACTOR/CLERK VSAT <b>578-8508</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops	
6942	BHI MM DRILL 8-1/2" DIR HOLE TO 7" LNR PT @ 6942', WIPER TRIP.	POOH, LD MM ASSY, RUN & CEMENT 7" LINER.	SHAYBAH FIELD- SABKHAH-11, LOCATED 7.75 KM NE OF SHYB GOSP-1.	18.6 (02/08/2023@1400)	PNGU 1055 19' SHALLOWER AS PER RCC. RUS 1835 29' SHALLOWER AS PER RCC. UMER 2604 45' SHALLOWER AS PER GOC. ARUM 3875 72' SHALLOWER AS PER GOC. PLVL 4382 4' SHALLOWER AS PER GOC AHMD 4405 13' SHALLOWER AS PER GOC CPCK 4430 21' SHALLOWER AS PER GOC WARA 4480 23' SHALLOWER AS PER GOC PSBS 5358 34' SHALLOWER AS PER GOC SHUB 5603 59' SHALLOWER AS PER GOC	
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	
5660	9 5/8		5600	4976	Footage	Circ %
					1282	100

Prev. Depth	Liner Size	TOL	MD	TD	Last Csg Size	MD	TD	Footage	Circ %
<b>5660</b>	<b>9 5/8</b>		<b>5600</b>	<b>4976</b>				<b>1282</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
01.2	0500 - 0615	0	8 1/2	N	DRLG	DMR	MMOT	BHI	5660	5702			BHI MM DRILL 8-1/2" DIR HOLE FROM 5660' TO 5702'(100' BELOW 9 5/8" SHOE), WITH 71 PCF NACL POLYMER MUD & 100% CIRC. ** CONTROL DRILLING PARAMETERS UNTILL BHA EXITS THE SHOE. ** LOADED ACTIVE SYSTEM W/ 3% LUBRICANT & 35 PPB LCM.
00.8	0615 - 0700	0	8 1/2	N	DRLG	OTH	NA	RIG	5702	5702			POOH INSIDE 9-5/8" CSG SHOE & PERFORM EXTENDED FLOW CHECK FOR 30 MIN, WELL STATIC
10.0	0700 - 1700	0	8 1/2	N	DRLG	DMR	MMOT	BHI	5702	6504			BHI MM DRILL 8-1/2" DIR HOLE FROM 5702' TO 6504' WITH 71 PCF NACL POLYMER MUD & 100% CIRC. ** LOADED ACTIVE SYSTEM W/ 3% LUBRICANT & 35 PPB LCM.
00.5	1700 - 1730	0	8 1/2	N	DRLG	RR	TDS	RIG	6504	6504			SERVICE TDS
05.0	1730 - 2230	0	8 1/2	N	DRLG	DMR	MMOT	BHI	6504	6942			BHI MM DRILL 8-1/2" DIR HOLE FROM 6504' TO 6942' WITH 71 PCF NACL POLYMER MUD & 100% CIRC. ** LOADED ACTIVE SYSTEM W/ 3% LUBRICANT & 35 PPB LCM. ** NORMAL CUTTING SIZE AND QUANTITY ON SHAKERS, NO CAVING, DRILLING TORQUE IN NORMAL RANGE. ** PUMP 15 BBL LO-VIS/WT & 20 BBL HI-VIS/WT PILL WITH 40 PPB LCM EVERY 45'. ** WASH UP & REAM DOWN EVERY STAND. ** GOC CALL 7" LINER PT @ 6942' AS PLANNED.
01.8	2230 - 0015	0	8 1/2	N	DRLG	CIRC	MPMP	RIG	6942	6942			PUMP 2 X 30 BBL. LVP / 2 X 50 BBL. WEIGHTED HVP & CHC UNTIL SHALE SHAKERS CLEAN. ** NO DYNAMIC LOSSES. ** FLOW CHECK - WELL STATIC-
01.0	0015 - 0115	0	8 1/2	N	DRLG	RW	BIT	RIG	6942	6942	6942	6494	POOH PUMP OUT WITH FIRST 5 STAND 8-1/2" MM ASSY TO 6494'. ** OPEN HOLE IN GOOD CONDITION. ** FLOW CHECK - WELL STATIC-.
01.5	0115 - 0245	0	8 1/2	N	DRLG	TO	STDP	RIG	6942	6942	6494	5600	POOH WIPER TRIP WTH 8-1/2" MM ASSY FREELY ON LEVATOR TO CSG SHOE @ 5600'. ** FLOW CHECK - WELL STATIC-.
01.2	0245 - 0400	0	8 1/2	N	DRLG	TI	STDP	RIG	6942	6942	5600	6942	RUN BACK WITH 8-1/2" MM ASSY FROM 5600' TO BTM, WASH DOWN THE LAST STAND, OPEN HOLE ON GOOD CONDITION.
01.0	0400 - 0500	0	8 1/2	N	DRLG	CIRC	MPMP	RIG	6942	6942			PUMP 2 X 30 BBL. LVP FOLLOWED BY 2 X 50 BBL HVP & CHC UNTIL SHALE SHAKERS CLEAN .....IN PROGRESS @ RPT.

THE WELL WILL BE COMPLETED WITH SMART COMPLETION CONSISTING OF DOWN-HOLE FLOW CONTROL VALVES (ICV'S) AND PDHMS (INCLUDING ANNULAR GAUGES PLUS REGULAR TUBING GAUGES) AND FEEDTHROUGH PACKERS.

ERP/SIMOPS--

**\*\*SHYB-759 IS NOT LOCATED IN GAS CAP ZONE.**

**\*\*THIS WELL IS NOT PLANNED IN SHALLOW GAS AREA**

**\*\* RSVR. H2S MOLAR = 0.35 %, GOR = 752 SCF/STB, RER 30 PPM 763 M, RER 100 PPM 387 M, 1/2 LFL 298 M.**

**\*\*SHYB-603 IS THE PRIMARY CANDIDATE WELL FOR RELIEF DRILLING. \*\*SHYB-67 IS THE 2ND ENTRY CHOICE**

**FOR RELIEF WELL DRILLING. BOTH WELLS ARE OUTSIDE THE 100 PPM & 30 PPM RER.**

**===== WELL DESIGN & WHIPSTOCK =====**

**\*\* REF: SHAYBAH GENERIC DRILLING MANUAL REV-10.3 (WOED-4-360-2021),**

**\*\* 24" CASING DEPTH: PLAN/ACTUAL: 160'/ 165'. (CONDUCTOR)**

**\*\* 18-5/8" CASING DEPTH: PLAN/ACTUAL: 1,914'/ 1,885' (50' TVD INTO RUS)**

**\*\* 13-3/8" CASING DEPTH: PLAN//ACTUAL: 4,192'/4,102' MD/TVD // 4,108'/4,025' MD/TVD (152' TVD INTO ARUMA).**

**\*\* 9-5/8" CASING DEPTH: PLAN//ACTUAL: 5,671'/4,999' MD/TVD // 5,600'/4976' MD/TVD. (2' TVD INTO SHUAIBA)**

**\*\* 7" LINER DEPTH: PLAN//ACTUAL: 6,942'/ 5,028' MD/TVD // XXXX/XXXX' MD/TVD.**

**\*\* L-0 (MB): PLANNED TD: 15,942', ACTUAL TD: XX', PLANNED RC: 9,000', ACTUAL RC: XX'**

**\*\* L-1: PLANNED TD 14,145' MD, ACTUAL TD XX' MD. PLANNED TOW/BOW: 6,542', ACTUAL TOW/BOW XX' / XX', PLANNED RC 7,603', ACTUAL RC XX'**

**\*\* L-2: PLANNED TD 10,167' MD, ACTUAL TD XX' MD. PLANNED TOW/BOW: 6,242', ACTUAL TOW /BOW: XX'/ XX'; PLANNED RC 9,906', ACTUAL RC XX'**

**\*\* THE TOTAL PLANNED/ ACTUAL WELL FOOTAGE: 33,451'/XX'**

**\*\* THE TOTAL PLANNED/ ACTUAL RC FOOTAGE: 26,509'/XX'**

**\*\* X-MASS TREE WING VALVE DIRECTION EAST.**

**===== ARAMCO PERSONNEL ON LOCATION =====**

**===== LSTK OR CONTRACTOR MANAGEMENT VISIT =====**

**\*\* THIS IS BAKER LUMP SUM TURNKEY WELL SUPERVISOR: KAMEL/FARES, HSE: AHMED,**

**===== NEXT WELL =====**

**\*\* SHYB-755 (66-22072-0755) /SAB#11: 100% READY**

**\*\* OBM PIT LINNING: 0%.**

**\*\* WATER WELL: SHYB-854 READY**

**\*\* APPROVED DRILLING PROGRAM: NO, ERP: NO.**

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
0	6942	90.00	4.09	54	5026.89	2932.12	158.79	2932.12	0.76
0	6888	90.41	4.09	58	5027.08	2878.26	154.94	2878.26	0.62
0	6830	90.06	4.00	94	5027.32	2820.40	150.85	2820.4	0.91
0	6736	90.41	3.22	94	5027.7	2726.59	144.93	2726.59	0.56
0	6642	89.91	3.05	94	5027.96	2632.73	139.79	2632.73	0.51
0	6548	90.03	2.59	94	5027.92	2538.85	135.16	2538.85	0.17
0	6454	89.90	2.49	94	5027.86	2444.94	131.00	2444.94	0.73
0	6360	90.47	2.10	94	5028.16	2351.01	127.23	2351.01	0.93
0	6266	89.63	2.33	94	5028.24	2257.09	123.60	2257.09	0.38
0	6172	89.30	2.20	94	5027.37	2163.16	119.88	2163.16	2.02
0	6078	91.18	1.93	94	5027.76	2069.23	116.50	2069.23	0.99
0	5984	90.30	1.63	96	5028.97	1975.28	113.58	1975.28	5.05
0	5888	85.51	0.87	93	5025.47	1879.40	111.48	1879.4	3.24
0	5795	82.52	1.26	92	5015.77	1786.93	109.77	1786.93	3.71
0	5703	79.11	1.41	90	5001.09	1696.15	107.65	1696.15	5.64
0	5613	74.90	4.32	11	4980.85	1608.59	103.29	1608.59	4.59

MUD DATA	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM
	71 PCF	52 SEC	0 HTHP	API	7	18	0 Volts	6 / 7	7 / 9	10.3	400	74000
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	
	0	0	1	91	3	6	0	1.42	0	NCPOL	SHYB-854	
	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM
	71 PCF	54 SEC	0 HTHP	API	9	20	0 Volts	7 / 8	8 / 10	10	320	73000
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	
	0	0	1	90	3	7	0	2.01	0	NCPOL	SHYB-854	

MUD TREATMENT	CAUST	DUOVIS-NS	SODASH	IDFFLR	MLCRB-10V	MLCRB-20V	MLCRB-30V	MLCRB-5V	MRBL-M
	2(55LB)	2(55LB)	2(55LB)	8(55LB)	8(55LB)	8(55LB)	8(55LB)	8(55LB)	1(2200L)

BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out					
	5	537	8.5	HTC	Z068YT	VM30H	/ 3 X 20 /	0.92	5602	6942						
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
							1550	560	196	290.49				106		

DRILL STRING	Float	Y												
	BHA Hrs:	29.9												
	String Wt.	Pick Up												
	188	218												
	184	7000												
	Jars:	Serial #/Hrs												
	/	/												
	29.9	/												
	Shock Sub:	/												
	Mud Motor:	/												
	Z068YT													
	675-36-295													
	ZIBSSBD5410													
	10574571													
	15648225													
	15412984													
	12794245													
	15344751													
	Logging While Drilling (LWD)	BHI	6.75	2	6.75	2.835	9.84	T2	T2	0				

9	Logging While Drilling (LWD)	BHI	6.75	1	6.75	2.835	9.08	T2	T2			12700987
10	Stop Sub	BHI	6.75	1	6.75	3	2.67	4-1/2" IF	T2	0		15901328
11	Float Sub	BHI	6.75	1	6.75	3	3.55	4-1/2" IF	4-1/2" IF	0		15783458
12	FlIter Sub	BHI	6.75	1	6.75	2.875	5.34	4-1/2" IF	4-1/2" IF	0		14697690
13	Heavy Weight Drillpipe (HWDP)	RIG	5	3	5	3	92.7	4-1/2" IF	4-1/2" IF	0		
14	Hydro-Mechanical Jar	NPC	6.75	1	6.75	3	31.25	4-1/2" IF	4-1/2" IF	0		HMJ650-0012
15	Heavy Weight Drillpipe (HWDP)	RIG	5	2	5	3	61.6	4-1/2 IF	4-1/2 IF			
16	Multi Activation Circulating Sub	CRW	6.625	1	6.625	3	20.64	4-1/2" IF	4-1/2" IF	0		DVBA1044
17	Drillpipe	RIG	5	79	5	4.276	2923	4-1/2" IF	4-1/2" IF	0		
18	Heavy Weight Drillpipe (HWDP)	RIG	5	45	5	3	1384	4-1/2 " IF	4-1/2 " IF			
19	Drillpipe	RIG	5	1	5	4.27	31	4-1/2 " IF	4-1/2 " IF			

Miscellaneous	BOP Test 02/25/2023	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting					
	Real-Time Data Quality      Sensors Quality      99%      Data Frequency      99%      Real-Time Hrs      10.99/24 hrs											
Personnel and Services Information	COMPANY	OTH	RIG	BDF	SNS	RIG	TK2	RIG	OTH	TK2	ARM	Total <b>94</b>
	CATEGORY	CTRG	RIG	DFMS	H2S	MED	OTHR	OTHR	VAC	WSC	WSC	
	NO. OF PERSONS	14	59	1	1	1	3	9	1	3	2	
	OPERATING HRS.	0	24	24	24	24	24	24	10	24	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers											
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>617</b>	Barite- SX	Bentonite - SX	Cement G- SX	<b>2500</b>					
REPAIR ASAP	Instrumentation	Other	Computer, Communication & V-Sat Issues									Reporter

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>UTMN-2222 (K-1 GAS PRODUCER TARGETING KHUF-C.)</b>	Rig <b>SINO- 47</b>	Foreman(s) <b>SAKHRI, LARBI / SHAMMARY, FARHAN AWWAD / BACHOUCHE, NADIR / SILALAHI, ANTON RIKKY / HAIMLI, AHMED ABDULAZIZ</b>
Charge #: <b>(66- 19057- 2222)</b>	Wellbores: (O) UTMN_2222_0	THURAYA	RIG FORMAN VSAT <b>008821677712266 013-577-9672 FOREMAN 013-577-9652 CLERK 013-577-9653 SAFETY</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>13090</b>	<b>DRILLED 5-7/8" HS TO WELL TD, CHC, WT, CHC, DROP GYRO &amp; POH</b>	<b>OH W/L LOGGING</b>	<b>168 KM FROM DH MAIN GATE.</b>	<b>48.0 (01/10/2023@0459)</b>	<b>KFBC 12133 KFDA 12890 5' TVD HIGHER</b>
Prev. Depth <b>12710</b>	Liner Size <b>7</b>	TOL <b>9930</b>	MD <b>12142</b>	TVD <b>12141</b>	Last Csg Size <b>9 5/8</b> MD <b>10356</b> TVD <b>10356</b> Footage <b>380</b> Circ % <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
00.5	0500 - 0530	0	5 7/8	N	DRLG	RR	TDS	RIG	12700	12700			TDS SERVICE.			
10.0	0530 - 1530	0	5 7/8	N	DRLG	D	TDS	RIG	12700	13090			ROTARY DRILL 5-7/8" VERTICAL HS WITH 94 PCF OBM TO WELL TD AT 13,090' MD/TVD (200' TVD INTO KFDA) AS PER GOC. > PUMP HV SWEEPS AS REQUIRED.			
02.8	1530 - 1815	0	5 7/8	N	DRLG	CIRC	MPMP	RIG	13090	13090			SWEEP HOLE & CIRCULATE HOLE CLEAN WHILE INCREASE MW TO 96 PCF TO COMPENSATE ECD. FLOW CHECK - WELL STATIC.			
00.5	1815 - 1845	0	5 7/8	N	DRLG	ST	STDP	RIG	13090	13090	13090	12733	WIPER TRIP: POH 5-7/8" ROTARY BHA IN OPEN HOLE ON ELEVATOR. DISPLACEMENT OK.			
00.5	1845 - 1915	0	5 7/8	N	DRLG	RW	BIT	RIG	13090	13090	12800	12707	ENCOUNTERED TIGHT SPOT @ 12,733' & 12,721'. CLEARED SAME & WORK STRING THRU THE SPOT INTERVAL.			
00.5	1915 - 1945	0	5 7/8	N	DRLG	ST	STDP	RIG	13090	13090	12707	12520	WIPER TRIP: POH 5-7/8" ROTARY BHA IN OPEN HOLE ON ELEVATOR. DISPLACEMENT OK.			
00.5	1945 - 2015	0	5 7/8	N	DRLG	RW	BIT	RIG	13090	13090	12520	12230	ENCOUNTERED TIGHT SPOT @ 12,493' & 12,381'. CLEARED SAME & WORK STRING THRU THE SPOT INTERVAL.			
00.5	2015 - 2045	0	5 7/8	N	DRLG	ST	STDP	RIG	13090	13090	12230	12142	WIPER TRIP: POH 5-7/8" ROTARY BHA IN OPEN HOLE ON ELEVATOR TO 7" LINER SHOE @ 12,142'. DISPLACEMENT OK.			
00.2	2045 - 2100	0	5 7/8	N	DRLG	SDR1	NA	RIG	13090	13090			FLOW CHECK - WELL STATIC			
00.5	2100 - 2130	0	5 7/8	N	DRLG	ST	STDP	RIG	13090	13090	12142	13090	RUN BACK WITH 5-7/8" ROTARY BHA TO BOTTOM- DISPLACEMENT OK.			
02.8	2130 - 0015	0	5 7/8	N	DRLG	CIRC	MPMP	RIG	13090	13090			SWEEP HOLE WITH HI-VIS PILL & CIRCULATE HOLE CLEAN. FLOW CHECK - WELL STATIC. SPOTTED LOGGING PILL & DROP MULTI SHOT GYRO.			
01.5	0015 - 0145	0	5 7/8	N	DRLG	TO	STDP	RIG	13090	13090	13090	12142	POOH WITH 5-7/8" ROTARY ASSY TO 7" CSG SHOE. HOLE IN GOOD CONDITION. > TOOK GYRO SURVEY EACH STAND.			
00.8	0145 - 0230	0	5 7/8	N	DRLG	CIRC	MPMP	RIG	13090	13090			FLOW CHECK - WELL STATIC. PUMP SLUG			
02.5	0230 - 0500	0	5 7/8	N	DRLG	TO	STDP	RIG	13090	13090	12142	7200	CONT'D POOH WITH 5-7/8" ROTARY BHA ON 5-1/2" DP. DISPLACEMENT OK.			

UTMN-2222 IS PLANNED AS A K-1 MP TARGETING KHUFF-C RESERVOIR AS PRIMARY TARGET AND LOCATED IN MIDDLE PART OF UTHMANIYAH FIELD.

#### CASING SETTING DEPTHS:

- \* 36" CONDUCTOR AT 117'.
- \* 30" CSG AT 740' (50 FT INTO RUS)
- \* 24" CSG AT 2,522' (52 FT INTO AHMD)
- \* 18-5/8" CSG AT 4,231' (301' INTO BYDH)
- \* 13-3/8" CSG AT 6,805' (15' TVD INTO PADS)
- \* 9-5/8" CSG AT 10,356' (30' TVD INTO BJDM)
- \* 7" LINER AT 12,143' (10' TVD INTO KHUFF-B CARBONATE)
- \* 4-1/2" LINER AT 13,095' (+/- 200' TVD INTO KFDA)

#### RIG KPI'S:

- \* TRIPPING SPEED KPI: 20 STDS/HR, ACTUAL: 21.3 STDS/HR.
- \* RUN 24" CSG: 4 JTS/HR, ACTUAL: N/A.
- \* RUN 18-5/8" CSG: 7 JTS/HR, ACTUAL: 12.3 JTS/HR.
- \* RUN 13-3/8" CSG: 11.5 JTS/HR, ACTUAL: 11.5 JTS/HR.
- \* RUN 9-5/8" CSG: 14 JTS/HR, ACTUAL: 12 JTS/HR WITH CONTROLLED SPEED AS PER WFD DV ENG PROCEDURE.
- \* RUN 7" LINER: 14 JT/HR, ACTUAL: 14 JT/HR.
- \* RUN 4-1/2" LINER: 13 JT/HR, ACTUAL: N/A.

SGA#1: N: 2,771,286.5, E: 323,127.

SGA#2: N: 2,768,490, E: 323,013

#### PERSONNEL ON RIG:

- \* ARAMCO ADMIN CLERK MOHAMED ISASS KALEEL ID#8284747 ON LOCATION EFFECTIVE 01/17/2023.
- \* ARAMCO MATERIAL EXPEDITOR MOHAMMED ALHAJRI ID#8388330 ON LOCATION EFFECTIVE ON 02-15-2023.
- \* RAJESH K THOMAS SAO&GDD FCA (# 8558715) ON LOCATION SINCE 21 FEB 2023.
- \* ARAMCO PDP KHALID ALBAQAMI #819105 ON LOCATION EFFECTIVE 2/19/2023.

#### SAFETY & DRILLS

##### SAFETY MEETING:

DISCUSSED THE PRECAUTION FOR DRILLING AND WELL CONTROL.

DISCUSSED PRECAUTION FOR LIFTING AND WORK AT HEIGHT.

DISCUSSED LIFESAVING RULE NO. 8 - DANGER ZONES.

SHARE THE ZPADC CONFINE SPACE PROCEDURE

DRILL: H2S DRILL X 1 PIT DRILL X 2.

INCD/NM: NONE

#### AUDITS

- 2 ND RSI TOTAL ITEMS 66, OPEN:0
- 4TH QSI TOTAL ITEMS 53, OPEN:0
- 1ST WCI TOTAL ITEMS 6, OPEN:0

#### RENTAL EQUIPMENT

- RECIEVED COUGAR 4-3/4" D/JAR S/N: DJ6-500-413 ON LOCATION 02/21/2023 AT 14:30 HRS.

> VEHICLE ON BOARD: ARAMCO PICKUP AB-7211. MAINTENANCE DUE ON 23-FEB-2023.

EQUIPMENTS: AL-JINAH TRADING:

> SPRAY WATER TANKER | PLATE#7657 | (DRSS#1003838602 | FROM: 8-FEB-2023).

> VACUUM TANKER | PLATE#1200 | (DRSS#1003838617 | FROM: 10-FEB-2023).

> VACUUM TANKER | PLATE#1919 | (DRSS#1003838617 | FROM: 16-FEB-2023).

Remarks

Lateral	Survey MD		Angle		Azimuth		CLength		TVD		N/S(-)Coordinate				E/W(-)Coordinate				Vertical Sec	DLS
MUD DATA	Weight <b>95</b>	PCF	Funnel Vis. <b>58</b>	SEC	Filtrate(WL) <b>1.2</b>	HTHP	Filtrate (WL) API	PV <b>30</b>	YP <b>15</b>	Electrical Stability <b>645</b>	Volts <b>6 / 7</b>	Gels Sec/Min <b>8 / 10</b>	PH <b>0</b>	CA PPM <b>13564</b>	CL PPM <b>24000</b>					
	FL Temp <b>136</b>		Cake HTHP <b>2</b>		Cake API <b>0</b>		Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	<b>UTMN-3510, UTMN-3534</b>					
	Weight <b>95</b>	PCF	Funnel Vis. <b>58</b>	SEC	Filtrate(WL) <b>1</b>	HTHP	Filtrate (WL) API	PV <b>30</b>	YP <b>15</b>	Electrical Stability <b>650</b>	Volts <b>6 / 7</b>	Gels Sec/Min <b>8 / 10</b>	PH <b>0</b>	CA PPM <b>13564</b>	CL PPM <b>24000</b>					
	FL Temp <b>136</b>		Cake HTHP <b>2</b>		Cake API <b>0</b>		Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	<b>UTMN-3510, UTMN-3534</b>					
MUD TREATMENT	<b>CACO3-5</b>	<b>CACO3-50</b>	<b>BDF 513</b>	<b>LESUPERMUL</b>	<b>BARITE</b>	<b>CAOH2</b>	<b>STELSEALFN</b>	<b>STELSL50</b>												
	<b>48(50PCS)</b>	<b>48(50LB)</b>	<b>6(25KG)</b>	<b>4(55GL)</b>		<b>6(5000L)</b>	<b>24(25KG)</b>	<b>48(25KG)</b>	<b>48(25KG)</b>											
BIT DATA	Bit Number <b>13</b>	IADC <b>M233</b>	Size <b>5.875</b>	Manufacturer <b>VAR</b>	Serial Number <b>7000205</b>	Type <b>F611PGXOI</b>	Jets <b>/</b>	TFA <b>12145</b>	MD In <b>13090</b>	MD Out	TVD Out									
	Feet <b>24</b>	Hours <b>150</b>	WOB <b>2800</b>	RPM <b>300</b>	I-Row <b>397.12</b>	O-Row <b>615.15</b>	DC <b>0</b>	Loc <b>Pressure</b>	GPM <b>Jet Vel</b>	DP Av <b>397.12</b>	DC Av <b>615.15</b>	Bit HHP <b>0</b>								
DRILL STRING	Float <b>N</b>																			
	BHA Hrs: <b>24</b>																			
	String Wt. <b>345</b>	Pick Up <b>347</b>	Slack Off <b>342</b>		Rot. Torque <b>5200</b>			Jars: Serial #/Hrs			/ <b>24</b>		Shock Sub: <b>/</b>		Mud Motor: <b>/</b>					
	Order	Component		Provider	Nominal Size <b>5.875</b>	# Joints <b>0</b>	OD Size <b>5.875</b>	ID Size <b>0.78</b>	Length <b>3-1/2" REG</b>	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #					
	<b>1</b>	Bit		<b>VAR</b>	<b>5.875</b>	<b>0</b>	<b>5.875</b>	<b>0.78</b>	<b>3-1/2" REG</b>						<b>7000205</b>					
	<b>2</b>	Bit Sub		<b>RIG</b>	<b>4.75</b>	<b>1</b>	<b>4.75</b>	<b>2.125</b>	<b>3.02</b>	<b>3-1/2" IF</b>	<b>3-1/2" REG</b>				<b>021703</b>					
	<b>3</b>	Pony Collar		<b>RIG</b>	<b>4.75</b>	<b>1</b>	<b>4.75</b>	<b>2.25</b>	<b>14.8</b>	<b>3-1/2" IF</b>	<b>3-1/2" IF</b>				<b>1709092</b>					
	<b>4</b>	Roller Reamer		<b>RIG</b>	<b>4.75</b>	<b>1</b>	<b>5.875</b>	<b>1.5</b>	<b>6.13</b>	<b>3-1/2" IF</b>	<b>3-1/2" IF</b>				<b>GU5290</b>					
	<b>5</b>	Drillcollar		<b>RIG</b>	<b>4.75</b>	<b>1</b>	<b>4.75</b>	<b>2.25</b>	<b>30.84</b>	<b>3-1/2" IF</b>	<b>3-1/2" IF</b>				<b>170524</b>					
	<b>6</b>	Roller Reamer		<b>RIG</b>	<b>4.75</b>	<b>1</b>	<b>5.875</b>	<b>1.5</b>	<b>5.88</b>	<b>3-1/2" IF</b>	<b>3-1/2" IF</b>				<b>GU5099</b>					
	<b>7</b>	Drillcollar		<b>RIG</b>	<b>4.75</b>	<b>23</b>	<b>4.75</b>	<b>2.25</b>	<b>710</b>	<b>3-1/2" IF</b>	<b>3-1/2" IF</b>				<b>FILE</b>					
	<b>8</b>	Hydro-Mechanical Jar		<b>CTC</b>	<b>4.75</b>	<b>1</b>	<b>4.75</b>	<b>2.25</b>	<b>30.42</b>	<b>3-1/2" IF</b>	<b>3-1/2" IF</b>				<b>DJ6500413</b>					
	<b>9</b>	Drillcollar		<b>RIG</b>	<b>4.75</b>	<b>3</b>	<b>4.75</b>	<b>2.25</b>	<b>92.28</b>	<b>3-1/2" IF</b>	<b>3-1/2" IF</b>				<b>FILE</b>					
	<b>10</b>	Crossover		<b>RIG</b>	<b>5</b>	<b>1</b>	<b>5</b>	<b>2.25</b>	<b>269</b>	<b>XT-39</b>	<b>3-1/2" IF</b>				<b>90451-1-3</b>					
	<b>11</b>	Heavy Weight Drillpipe (HWDP)		<b>RIG</b>	<b>4</b>	<b>15</b>	<b>4</b>	<b>3.34</b>	<b>458.36</b>	<b>XT-39</b>	<b>XT-39</b>	<b>28</b>			<b>FILE</b>					
	<b>12</b>	Drillpipe		<b>RIG</b>	<b>4</b>	<b>1</b>	<b>4</b>	<b>3.34</b>	<b>30.35</b>	<b>XT-39</b>	<b>XT-39</b>				<b>FILE</b>					
Miscellaneous	BOP Test <b>02/24/2023</b>		BOP Drills		Wind <b>NORMAL</b>		Sea <b>N/A</b>	Weather <b>SEASONAL</b>		DSLTA		Safety Meeting <b>EVERY TOUR</b>								
	Real-Time Data Quality			Sensors Quality			95%	Data Frequency			91%	Real-Time Hrs			11.49/24 hrs					
Personnel and Services Information	COMPANY		<b>BAW</b>	<b>VAR</b>	<b>TGC</b>	<b>RIG</b>	<b>BAR</b>	<b>EMC</b>	<b>MJH</b>	<b>SCD</b>	<b>CTC</b>	<b>BR1</b>	<b>XLG</b>	<b>ARM</b>	<b>OTH</b>	<b>ARM</b>				
	CATEGORY		<b>WLS</b>	<b>BITS</b>	<b>CTRG</b>	<b>RIG</b>	<b>DFMS</b>	<b>DFMS</b>	<b>SEC</b>	<b>ISS</b>	<b>JST</b>	<b>MLS</b>	<b>MLS</b>	<b>OTHR</b>	<b>VAC</b>	<b>WSC</b>				
	NO. OF PERSONS		<b>6</b>	<b>1</b>	<b>14</b>	<b>56</b>	<b>1</b>	<b>1</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>3</b>				
	OPERATING HRS.		<b>0</b>	<b>12</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>12</b>	<b>24</b>	<b>5</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>12</b>	<b>10</b>	<b>24</b>				
	ON LOCATION HRS.		<b>7</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>		Total <b>99</b>		
Trucks/Boats	Standby/Tankers <b>ARAMCO TRUCK AB-7211</b>		<b>SINO PICK-UP</b>		<b>SINO AMBULANCE</b>															
BULK	Drill Wtr-BBLS <b>1000</b>		Pot Wtr.-BBLS <b>450</b>		Fuel- BBLS <b>599</b>		Barite- SX <b>91</b>		Bentonite - SX <b>95</b>		Cement G- SX <b>1350</b>									
REPAIR ASAP	Instrumentation Computer, Communication & V-Sat Issues		Reporter																	

D&WO Morning Report (Service Providers View)  
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 Daily OffShore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>SFNY-4270 (WATER INJECTOR MLS)</b> Charge (66- 21013- #: 4270) Wellbores: (0) SFNY_4270_0	Rig <b>SL-7</b> Foreman(s) <b>NAHARI, NAWAF MATHKAR/ FUCHS, PETER/ BETANCOURT JOYA, MAURICIO GIOVANNI/ DAHMOUSH, ABDULLATEEF AHMAD</b> Engineer Superintendent
		THURAYA <b>882167712867</b> RIG FORMAN VSAT <b>378-7589</b>

Depth	Last 24 hr operations			Next 24 hr plan			Location			Days Since Spud/Comm (Date)		Formation tops			
Prev. Depth															
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Start	End	Start	End	
24.0	0500 - 0500	0		N	RM	OTH	NA	RIG	0	0					<b>CONT. OFFLOADING SPUD MATERIAL, CHEMICALS AND 30" CASING. LAY OUT &amp; PREPARE FINAL 30" CSG TALLY. P/U &amp; M/U 34" DRILLING BHA AND WAIT ON SLACK TIDE/WEATHER. MEANWHILE CONT. P/U AND R/B 5-1/2" DP (=3300FT). M/U OF 30" CSG SHOE ONGOING.</b>  <b>** OFFLOADING OF SPUD EQUIPMENT AND BULK MATERIAL INTERRUPTED DUE TO BAD WEATHER. (21:00-02:00)</b> <b>** INSTALLATION OF SKIP &amp; SHIP EQUIPMENT ON MAINDECK ONGOING.</b> <b>** MIXING MUD IN PARALLEL.</b> <b>** TRANSFER OF BARITE AND CEMENT RESUMED AT 02:00 AM.</b>

\* SFNY-4270 WILL BE DRILLED AS AN MLS WATER INJECTOR PLATFORM LOCATOR VERTICAL WELL TO THE BASE OF KHFJ RESERVOIR. IT WILL EVALUATE THE OIL COLUMN AND CURRENT OWC ACROSS WARA, SFNY AND KHFJ RESERVOIRS IN THE EASTERN FLANKS OF THE SOUTH DOME IN SAFANIYA FIELD. MDT SAMPLES AND PRESSURE POINTS WILL BE COLLECTED AND VERTICAL INTERFERENCE TEST WILL BE PERFORMED. THE WELL DESIGN IS BASED ON SFNY SLIM DESIGN. THE WELL WILL BE SUSPENDED WITH CEMENT PLUGS AND CASINGS BACKED OFF FROM THE MLC HANGERS.

=====

LANDING RING @ XXX FT.

13-3/8" MLC @ XXX FT.

9-5/8" MLC @ XXX FT.

=====

HOLE SECTIONS:

\* 34" PLANNED DEPTH AT 338 FT. ACTUAL AT XXX FT.

\* 16" PLANNED DEPTH AT 1.237 FT. ACTUAL AT XXXX FT.

\* 12-1/4" PLANNED DEPTH AT 4.776 FT. ACTUAL AT XXXX FT.

\* 8-1/2" PLANNED DEPTH AT 6.438 FT. ACTUAL AT XXXX FT.

=====

SAFETY:

HELD ABANDONED DRILL ON 02/22/2023

HELD H2S DRILL ON: 02/27/2023

HELD H2S, FIRE & ABANDONED DRILLS ON XX/XX/2023.

=====

SFNY-4270 MLS

WATER DEPTH: 38.7 FT (HSU)

RIG HEADING: 12.8 DEG

AIR GAP: 31 FT

RKB-MSL: 98 FT

RKB-MUDLINE: 136.7 FT.

FINAL LEG PENETRATION: BOW 22.8 FT, PORT 21.2 FT, STBD 21.0 FT.

FINAL COORDINATES:

290196.0 E, 3112374.0 N (UTM)  
28 07' 13.65" N, 048 51' 49.06" E (WGS84)

=====  
LC-50 WBM SAMPLE MNF#XXXXXXXXXXXX SENT ON XXXXXXXX ON XX/XX/XXXX.  
LC-50 OBM SAMPLE MNF#XXXXXXXXXXXX SENT ON XXXXXXXX ON XX/XX/XXXX.

=====  
**MATERIAL EXPEDITOR MOHAMMED ALHUSSAIN ID#814756 ONBOARD SINCE 02/21/2023**  
=====

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS			
<b>MUD DATA</b>												
MUD TREATMENT												
<b>BIT DATA</b>												
<b>DRILL STRING</b>												
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #												
Miscellaneous	BOP Test	BOP Drills	Wind	22-24 KNOTS E	4-5 FT	Sea	Weather	DSLTA	Safety Meeting			
									2			
Real-Time Data Quality							<b>No Transmission</b>					
Personnel and Services Information	COMPANY	ITS	RIG	SDM	RIG	EMC	HSS	ARM	NCS	ARM	GEP	Total <b>110</b>
	CATEGORY	CSR	CTR G	DPDS	RIG	DFMS	OTHR	OTHR	PCS	WSC	WHES	
	NO. OF PERSONS	3	14	2	74	1	7	3	3	2	1	
	OPERATING HRS.	0	0	0	24	24	24	24	24	24	0	
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers <b>HADI-22</b>											
BULK	Drill Wtr.-BBLS <b>241</b>	Pot Wtr.- BBLS <b>2063</b>	Fuel- BBLS <b>1714</b>	Barite- SX <b>771</b>	Bentonite - SX <b>639</b>	Cement G- SX <b>3352</b>						
REPAIR ASAP	Instrumentation	Other										Reporter
	Computer, Communication & V-Sat Issues											

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Date <b>MONDAY</b> <b>02/27/2023</b>	Well No (Type) : <b>KHRS-193</b> <b>(INSTALL ICD TO</b> <b>MANAGE WATER</b> <b>PRODUCTION &amp; RUN</b> <b>ESP TO RESTORE</b> <b>WELL POTENTIAL)</b> Charge #: <b>(72-22051-#:</b> <b>0193)</b> Wellbores: (0) KHRS_193_0	Rig <b>SND-1201</b>	Foreman(s) <b>BENKHELIL, MAHMOUD / KHERCHOUCHE, ABDELAZIZ /</b> Engineer <b>ABDULLATIF, KHALID ABDULLAH /</b> Superintendent <b>KHALDI, MOHAMMED SALEH</b>
THURAYA <b>00-88-216-777-110-91</b>	RIG FORMAN VSAT <b>13-578-4167</b>	OTHER VSAT <b>13-804-9603 RIG MGR</b>	CONTRACTOR/CLERK VSAT <b>13-578-4037</b>

Depth	Last 24 hr operations			Next 24 hr plan						Location			Days Since Spud/Comm (Date)		Formation tops	
9517	<b>CONT CHC. SPOT HVP. POOH &amp; L/D REAMING BHA. RIH 8-1/2" WFD CALIPER LOG ON TLC.</b>			<b>CONT RIH 8-1/2" WFD CALIPER LOG ON TLC. LOG UP OPEN HOLE. POOH AND L/D WFD CALIPER LOG TOOLS. RIH BAKER LOWER COMPLETION</b>						<b>N:2812207.82, E:198389.47, 254 KM FROM DHAHRAH MAIN GATE</b>			<b>12.6</b> (02/14/2023@1400)			
Prev. Depth	9517	Liner Size			TOL		MD		TVD		Last Csg Size	MD	TVD	Footage	Circ %	100
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
01.0	0500 - 0600	0		N	CT	CIRC	MPMP	RIG	9517	9517			<b>CONT SPOTTED 200 BBLS H-VIS PILL ACROSS OPEN HOLE. FLOW CHECK. WELL STATIC.</b>			
02.5	0600 - 0830	0		N	CT	TO	STDP	RIG	9517	9517	8950	6222	<b>POOH 8-1/2" REAMING ASSY ON ELEVATOR TO 9-5/8" CSG SHOE AT 6222'. - OPEN HOLE IN GOOD CONDITION. - CHECKED TIGHT SPOTS AT 7900' AND 8021' UP AND DOWN SMOOTH NO DRAG .</b>			
00.5	0830 - 0900	0		N	CT	WCNT	NA	RIG	9517	9517			<b>FLOW CHECK. WELL STATIC.</b>			
03.5	0900 - 1230	0		N	CT	TO	STDP	RIG	9517	9517	6222	240	<b>CONT. POOH 8-1/2" STIFF REAMING ASSY ON ELEVATOR TO DEPTH 240 FT. - MONITORE WELL THROUGH TRIP TANK , WELL STATIC .</b>			
00.5	1230 - 1300	0		N	CT	WCNT	NA	RIG	9517	9517			<b>FLOW CHECK. WELL STATIC.</b>			
03.0	1300 - 1600	0		N	CT	HT	BHA	RIG	9517	9517			<b>CONT. POOH TO SURFACE &amp; L/D 8-1/2" REAMING ASSY . - L/D REAMERS, DC'S, DRILLING JAR &amp; 8-1/2" BIT.</b>			
06.0	1600 - 2200	0		E	LOG	OTH	NA	WWL	9517	9517			<b>HPJS, P/U &amp; M/U WFD 8-1/2" CALIPER LOGGING BHA WITH FLOAT VALVE &amp; RIH TO 350'. - PERFORM CIRCULATION PRESSURE CHECK AS PER WF WL INSTRUCTIONS . - MONITORE WELL THROUGH TRIP TANK , WELL STATIC .</b>			
07.0	2200 - 0500	0		E	LOG	TI	STHD	RIG	9517	9517	240	5450	<b>RIH 8-1/2" WFD CALIPER LOGGING TOOLS ON 4" DP/HWD WITH CONTROLLED SPEED TO 9-5/8" CSG SHOE AT 6222 FT... ONGING AT RPT - FILL STRING WITH 64 PCF BRINE EVERY 20 STD. - DRIFT STRING WITH 2.25. - MONITORE WELL THROUGH TRIP TANK , WELL STATIC .</b>			

## **ODF CORRECTION = -1.35'.**

## ARAMCO PERSONNEL

- ARAMCO FCT, MOAYID FAHAD ID #764237 ON LOCATION SINCE 02/19/2023.

- ARAMCO PDP TURKI ALSULAMI ID#775503 ON LOCATION SINCE 02/19/2023.

- DOE&CD SAFETY ADVISOR ZHIMENG CUI #8068289 ON LOCATION FOR RIG HSE GAP ANALYSIS  
DUTY TO CONSULTATION

D) (DAILY, 20 BBL S / CUMMULATIVE FOR CURRENT WELL KIPS 100 - 540 BBL)

- DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) = (DAILY: 36 BBLS / CUMMULATIVE FOR CURRENT WELL KHRS-193 : 542 BBLS).

= WATER TANKERS

- 04 RAW WATER TANKERS AL-OTAISHAN, 2628 ,9127, 2981, 9724 ON LOCATION.

**≡ NEXT LOCATIONS**

- ABFJ-102. KOM HELD ON 1/5/2023, STRIPPED OUT 100%, LOCATION READINESS 100%.  
ABFJ-265. KOM HELD ON 1/5/2023, STRIPPED OUT 0%, LOCATION READINESS 0%.

- ABJF-265. KOM HELD ON 1/5/2023, STRIPPED OUT 90%, LOCATION READINESS 0%.  
ABJF-15. KOM HELD ON 1/5/2023, STRIPPED OUT 90%, LOCATION READINESS 0%

- ABF-15. KOM HELD ON 1/5/2023, STRIPPED OUT 0%, LOCATION READINESS 0%.

- AB-JF-1, KOM HELD ON 1/5/2023, STRIPPED OUT 100%, LOCATION READINESS 0%.
- AB-JE-3, KOM HELD ON 1/5/2023, STRIPPED OUT 100%, LOCATION READINESS 0%.

- ABJF-3. RUM HELD ON 1/3/2023, S  
- MZL-J-271 NOT SCHEDULED YET

- MZLJ-11 NOT SCHEDULED YET

- MZL-I-3 - NOT SCHEDULED YET

### Remarks

DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
Miscellaneous	BOP Test <b>02/13/2023</b>	BOP Drills <b>2/20/2023</b>	Wind <b>10 KM/H</b>	Sea <b>N/A</b>	Weather <b>SEASONAL</b>	DSLTA	Safety Meeting <b>LOGGING JOB</b>							
		Real-Time Data Quality			No Transmission									
Personnel and Services Information	COMPANY	SLH	TGC	RIG	OES	RIG	ARM	OTH	ARM	WWL				Total <b>94</b>
	CATEGORY	LHES	CTRG	RIG	DFMS	OTHR	OTHR	VAC	WSC	WLS				
	NO. OF PERSONS	2	17	46	1	11	3	7	2	5				
	OPERATING HRS.	0	0	24	24	0	12	10	24	10				
	ON LOCATION HRS.	12	24	24	24	24	24	24	24	24				
Trucks/Boats	Standby/Tankers <b>AB-5316</b>													
BULK	Drill Wtr.-BBLS <b>600</b>	Pot Wtr.- BBLS	Fuel- BBLS <b>38</b>	Barite- SX <b>3</b>		Bentonite - SX	Cement G- SX <b>1000</b>							Reporter
REPAIR ASAP	Instrumentation	Other												
	Computer, Communication & V-Sat Issues													

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Date	Well No (Type) :	Rig	Foreman(s)	MOHAMED, ABDELRAHMAN SAMI/ HAMEK, TOUFFIK/ AHMED, IRSHAD/ HAJRI, ASKAR SAUD				
MONDAY 02/27/2023	FZRN-212 (CASING LEAK REPAIR)	SND- 1501	Engineer Superintendent	RIG FORMAN THURAYA VSAT 8821677712080 0135746244 OTHER VSAT ARAMCO SAFETY / 574-6223 ARAMCO CLERK / 574-6243 OTHER VSAT				
Charge (#: 0121)	Wellbores: (0) FZRN_212_0			CONTRACTOR/CLERK VSAT 0138049645				
Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops			

13792	CON'T RIH, DRILL OUT FASDRILL & CMT, CHC & P/T CSG, RIH,	CONT' RIH, CHC, POH, L/D C/O ASSY, JET BOP, RUN 4-1/2" BAKER SCAB LINER.	122 KM FROM DHAHRAN MAIN GATE	9.9	(02/17/2023@0700)	
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	Footage
13792	7	3146	9623	8722	9 5/8 5775 5772	0

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations					
									Start	End	Start	End				
01.8	0500 - 0645	0		N	CT	TI	STDP	RIG	13792	13792	3000	6200	RIH WITH 6-1/8" C/O ASSY ON 4" HWDP/DP TO 6200 FT. FILL UP & CIRC STRG VOLUME EVERY 15 STDs. >> MONITORED WELL THRU TRIP TANK, WELL STATIC.			
01.5	0645 - 0815	0		N	CT	CIRC	MPMP	RIG	13792	13792			WASH DOW F/ 6200' TO 6312' TAGGED CEMENT. CHC WITH 82 PCF VIS BRINE, F/C WELL STATIC. P/T CSG TO 1000 PSI-HOLD.			
04.2	0815 - 1230	0		N	CT	RW	BIT	RIG	13792	13792	6312	6324	RECORDED C/O PARAMETERS, D/O CEMENT F/6312' TO 6321' THEN D/O 7" FASDRILL F/6321' TO 6324'. SWEEP HOLE AS REQUIRED.			
13.5	1230 - 0200	0		N	CT	RW	BIT	RIG	13792	13792	6324	7340	CONTINUE D/O CEMENT INSIDE 7" CSG F/ 6324' TO 7340 THEN FREE DOWN. >>SWEEP HOLE AS REQUIRED, CHC W/ 82 PCF VIS BRINE & 100% RETURN.			
02.2	0200 - 0415	0		N	CT	CIRC	MPMP	RIG	13792	13792			SWEEP HOLE WITH 30BBLS HI-VIS & CHC W/ 82 PCF BRINE & 100% RETURN. FLOW CHECK, WELL STATIC. P/T CASING TO 650PSI FOR 15MN, HOLD. OBSERVED CCA, NO PRESSURE BUILD-UP.			
00.8	0415 - 0500	0		N	CT	ST	STDP	RIG	13792	13792	7340	8400	CONTINUE RIH W/6-1/8" C.O BHA ON 4" DP TO TOP OF ISOLATION KIT @ 9312'...INC @ RPT. >>FILL UP & CIRC STRG VOLUME EVERY 10 STDs. >> MONITORED WELL THRU TRIP TANK, WELL STATIC.			

- ODF CORRECTION= 0

#### ===== ARAMCO POB =====

#### ===== RENTAL TOOLS =====

- NOV 4-3/4" JARS SN: 380-471078-03 ON LOCATION SINCE FEB-16-2023. P/U ON 19/02 AT 21:00. L/D ON 22/02 @ 12:00PM, P/U ON 2/26/2023 @ 01:00 HRS.

- DAILY DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP) 42 BBLS, CUMULATIVE DIESEL CONSUMPTION PER CURRENT WELL= 609 BBLS

#### ===== NEXT WELLS SCHEDULE CHANGE ON 1/16/2023 =====

- FZRN-210: KOM DONE BY RIG SINO-8 ON 11/10/2022. STRIP-OUT:100%, LOCATION:100%.

- ANDR-1223: KOM DONE ON FEB-12-2023. STRIP-OUT: 00%, LOCATION: 00%.

- ANDR-1203: KOM DONE ON FEB-12-2023. STRIP-OUT: 100%, LOCATION: 00%.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight	Funnel Vis.	Filtrate(WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	
	82 PCF	55 SEC	0 HTHP	0	0	0 Volts	0/0	0/ 0	9.5	0	265000
	FL Temp	Cake HTHP	Cake API	Water Vol. %		Solids Vol. %	% LGS	MBT	Mud type	Water Well #	
	80	0	0	100		0	0	0	WBM-CAC	FZRN-4, FZRN-801	
MUD TREATMENT	Weight	Funnel Vis.	Filtrate(WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	
	82 PCF	55 SEC	0 HTHP	0	0	Volts	0/0	0/ 0	9.5	0	265000
BIT DATA	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #
	80	0	0	100		0	0	0	0	WBM-CAC	FZRN-4, FZRN-801
DRILL STRING	CACL2-80 HEC										
	59(2200L)	21(55LB)									
Miscellaneous	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight
	BOP Test	BOP Drills				Wind	Sea	Weather	DSLTA	Safety Meeting	
	Real-Time Data Quality					No Transmission					
Personnel and Services Information	COMPANY	HCB	SWK	RIG	SMI	ASH	ARM	SCM	ARM		
	CATEGORY	BRCR	CTRG	RIG	DFMS	FLD	OTHR	PCS	WSC		
	NO. OF PERSONS	1	15	46	1	4	0	3	2		
	OPERATING HRS.	0	0	24	24	12	0	0	24		
	ON LOCATION HRS.	24	24	24	24	24	0	24	24		
Trucks/Boats	Standby/Tankers										
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS		Barite- SX			Bentonite - SX		Cement G- SX	
REPAIR ASAP	Instrumentation	Other									Reporter
	Computer, Communication & V-Sat Issues										

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Total  
72

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>UTMN-1237 (SIDETRACK &amp; DRILL SINGLE LATERAL ACROSS ARAB-D ZONE-2A (AD2A))</b>	Rig <b>SND-1502</b>	Foreman(s) <b>ELZAIDIY, ISLAM SOBHY/ ALARBEDY, ABDULLAH EBRAHIM/ MUNTASHERI, FAHAD SALEH/ HAJRI, ASKAR SAUD</b>
Engineer Superintendent	<b>THURAYA +8821677711089</b>	RIG FORMAN VSAT <b>0135773559</b>	OTHER VSAT <b>0135773564</b>
		CONTRACTOR/CLERK VSAT <b>0135773560</b>	

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>7928</b>	<b>L/D RDT LOGGING TOOL, PT BOPE, RIH 2-3/8" CMT STINGER, DISPLACE TO WBM.</b>	<b>PERFORM BALANCED CMT PLUG # 1, CHC, PERFORM BALANCED CMT PLUG # 2, REVERSE CIRC, CHC.</b>	<b>180 KM FROM DAHHRAN MAIN GATE.</b>	<b>39.2</b> (01/16/2023@0800)	<b>SULY 5497 5516' MD. HITH 6069 6200' MD. (7" TVD SHALLOWER)</b>
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %
<b>7928</b>	<b>7</b>	<b>2361</b>	<b>7627</b>	<b>7022</b>	<b>9 5/8 43304330 0 100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
02.0	0500 - 0700	0-1	6 1/8	E	LOG	OTH	NA	HWP	7928	7928			L/D HALL RDT LOGGING TOOLS. - MONITORED THE WELL ON TRIP TANK, STATIC.			
00.5	0700 - 0730	0-1	6 1/8	N	WH	RTRV	WBSH	RIG	7928	7928			RETRIEVED WEAR BUSHING.			
01.0	0730 - 0830	0-1	6 1/8	N	BOP	BOP	RAMS	RIG	7928	7928			M/U BOP JETTING TOOL, AND JET ACROSS BOP CAVITY WITH HIGH RATE, L/D JETTING TOOLS.			
06.5	0830 - 1500	0-1	6 1/8	N	BOP	BOPT	BOP	RIG	7928	7928			M/U TEST PLUG ASSY, PERFORM TRI-WEEKLY BOP TEST TO 300/2550 PSI OK, L/D TESTING ASSY.			
00.5	1500 - 1530	0-1	6 1/8	N	WH	SET	WBSH	RIG	7928	7928			SET & SECURE WEAR BUSHING.			
01.0	1530 - 1630	0-1		N	PA	OTH	NA	RIG	7928	7928			R/U SANAD POWER TONG & 2-3/8" TBG HANDLING TOOLS.			
03.0	1630 - 1930	0-1		N	PA	HT	STRG	RIG	7928	7928			M/U CMT STINGER + 31 JOINTS 2-3/8" CS-HYDRILL TBG + X/O. R/D POWER TONG. - MONITORED THE WELL ON TRIP TANK, STATIC.			
04.0	1930 - 2330	0-1		N	PA	OTH	NA	RIG	7928	7928			RIH 2-3/8" CMT STINGER ON 4" DP TO 7928'. - MONITORED THE WELL ON TRIP TANK, STATIC.			
01.5	2330 - 0100	0-1		N	PA	CIRC	MPMP	RIG	7928	7928			BREAK CIRCULATION TIME.			
03.0	0100 - 0400	0-1		N	PA	CIRC	MPMP	RIG	7928	7928			HPJSM, DISPLACE HOLE & CONDITION MUD IN/OUT TO 102 PCF WBM, FLOW CHECK STATIC.			
01.0	0400 - 0500	0-1		N	PA	CIRC	MPMP	RIG	7928	7928			R/U & FLUSH SURFACE LINES & P/T TO 3000 PSI, OK.			

ODFE CORRECTION = -8 FT.

TOW @ 5810', BOW @ 5823'

#### =====SAFETY=====

>> HELD DAILY SAFETY/ OPERATIONAL MEETINGS WITH ALL INVOLVED PERSONNEL.

#### =====PERSONNEL=====

>> PDP FAWAZ ALAMRI ID #782158 ON LOCATION.

>> DOECD FCC NOUREDDINE LAROUI ID #8529411 ONSITE FOR HSE GAP ANALYSIS.

>> FCT MRAWAN TANBAKTI ID #764644 ON LOCATION.

#### =====DIESEL REPORT=====

>> ENGINES DIESEL CONSUMPTION (RIG & CAMP): DAILY: 32 BBLS (CUMULATIVE FOR CURRENT WELL, UTMN-1237: 1926 BBLS).

#### ===== NEXT WELLS =====

>> UTMN-452 KOM CONDUCTED ON 02/07/2023, STRIP OUT: 0%, WELLSITE : 0%.

#### Remarks

Lateral	Survey MD		Angle		Azimuth		CLength		TVD		N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS				
MUD DATA	Weight <b>102 PCF</b>	Funnel Vis. <b>81 SEC</b>	Filtrate(WL) <b>2.4 HTHP</b>	Filtrate (WL) API	PV <b>31</b>	YP <b>26</b>	Electrical Stability <b>593 Volts</b>	3/6 RPM <b>10 / 12</b>	Gels Sec/Min <b>12 / 17</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>	MUD DATA							
	FL Temp <b>110</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>18</b>	Oil Vol. % <b>60</b>	Solids Vol. % <b>22</b>	Sand Vol. % <b>0</b>	% LGS <b>4.82</b>	MBT <b>0</b>	Mud type <b>MMX-OBM</b>	Water Well # <b>UTMN-3530</b>									
	Weight <b>102 PCF</b>	Funnel Vis. <b>82 SEC</b>	Filtrate(WL) <b>2.2 HTHP</b>	Filtrate (WL) API	PV <b>31</b>	YP <b>27</b>	Electrical Stability <b>588 Volts</b>	3/6 RPM <b>10 / 12</b>	Gels Sec/Min <b>12 / 17</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>								
	FL Temp <b>110</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>18</b>	Oil Vol. % <b>60</b>	Solids Vol. % <b>22</b>	Sand Vol. % <b>0</b>	% LGS <b>4.82</b>	MBT <b>0</b>	Mud type <b>MMX-OBM</b>	Water Well # <b>UTMN-3530</b>									
MUD TREATMENT																				
BIT DATA																				
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #						
Miscellaneous	BOP Test <b>02/26/2023</b>			BOP Drills			Wind		Sea		Weather		DSLTA		Safety Meeting					
	Real-Time Data Quality			Sensors Quality			95%		Data Frequency		100%		Real-Time Hrs		11.49/24 hrs					
	COMPANY		TGC	RIG	EMC	MJH	SCM	ARM	HWP	ARM										

Personnel and Services Information	CATEGORY	CTR G	RIG	DFMS	SEC	PCS	WSC	WLS	OTHR	Total <b>89</b>
	NO. OF PERSONS	<b>16</b>	<b>52</b>	<b>1</b>	<b>6</b>	<b>3</b>	<b>2</b>	<b>6</b>	<b>3</b>	
	OPERATING HRS.	<b>0</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>6</b>	<b>24</b>	<b>2</b>	<b>12</b>	
	ON LOCATION HRS.	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>10</b>	<b>24</b>	
Trucks/Boats	Standby/Tankers									
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX				
REPAIR ASAP	Instrumentation	Other								Reporter
	Computer, Communication & V-Sat Issues									

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HWHYH-1328 (K-2 GP J-SHAPE PILOT WELL TO SARA RESERVOIR)</b> Charge #: <b>(66- 22053- #: 1328)</b> Wellbores: (0) HWHYH_1328_0	Rig <b>SND- 2001</b>	Foreman(s) <b>CAMPBELL, KEVIN RUSSELL/ ANSARI, NAWAF MOHAMMED/ HAMRAA, NASSER KHALID/</b> Engineer <b>KAMAL, SYED MUHAMMAD MANSOOR/</b> Superintendent <b>OMRAN, MOHAMMAD JAFFAR</b>
			THURAYA <b>0088-21677712157</b> RIG FORMAN VSAT <b>572-8255</b>

Depth <b>10320</b>	Last 24 hr operations <b>SLIP &amp; CUT, RIH BACK TO BTM, CHC, SPOT HI-VIS PILL, POOH, RIH, CIRC &amp; INCREASE MW.</b>				Next 24 hr plan <b>POOH, L/D 16" ROTARY BHA, PT BOP, RUN &amp; CMT 13-3/8" CSG.</b>				Location <b>HWHYH-1328</b>				Days Since Spud/Comm (Date) <b>31.0 (01/27/2023@0445)</b>		Formation tops	
Prev. Depth <b>10320</b>													Last Csg Size <b>18 5/8</b>	MD <b>44064406</b>	TVD <b>0</b>	Circ % <b>100</b>
Hrs (From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations				
<b>01.5 0500 - 0630 0</b>		<b>16</b>	<b>N</b>	<b>DRLG</b>	<b>RR</b>	<b>TRVL</b>	<b>RIG</b>	<b>10320</b>	<b>10320</b>			<b>HELD PJSM: SLIP &amp; CUT DRILLING LINE (SET UP BRAKES &amp; FLOOR/CROWN SAVERS)</b>				
<b>07.5 0630 - 1400 0</b>		<b>16</b>	<b>N</b>	<b>DRLG</b>	<b>ST</b>	<b>STDP</b>	<b>RIG</b>	<b>10320</b>	<b>10320</b>	<b>4408</b>	<b>10320</b>	<b>RIH ON WIPER TRIP WITH 16" ROTARY DRLG ASSY (STRING TOOK WT AT 6,970', REAM THROUGH &amp; RE-PASS WITHOUT PUMP/ROTATION OK)</b> > PRECAUTIONARY WASH LAST STD TO BTM				
<b>05.0 1400 - 1900 0</b>		<b>16</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>10320</b>	<b>10320</b>			<b>PUMP 100 BBLS HV SWEEP &amp; CIRC 2X BTMS UP</b>				
<b>00.2 1900 - 1915 0</b>		<b>16</b>	<b>N</b>	<b>DRLG</b>	<b>OTH</b>	<b>NA</b>	<b>RIG</b>	<b>10320</b>	<b>10320</b>			<b>FLOW CHECK. WELL IS STATIC.</b>				
<b>00.8 1915 - 2000 0</b>		<b>16</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>10320</b>	<b>10320</b>			<b>SPOT 500 BBLS OF HI-VIS PILL ON BOTTOM.</b>				
<b>03.8 2000 - 2345 0</b>		<b>16</b>	<b>N</b>	<b>DRLG</b>	<b>ST</b>	<b>STDP</b>	<b>RIG</b>	<b>10320</b>	<b>10320</b>	<b>10320</b>	<b>9405</b>	<b>POOH WITH 16" ROTARY DRILLING BHA TO 9405 FT. OBSERVE TIGHT SPOTS. * BACK REAM TIGHT SPOTS @ 10260', 10167', 10150', 10069', 9975', 9882', AND 9694'. * DECIDE TO RUN BACK TO BTM &amp; INCREASE MW. * OBSERVE PRESSURIZED SHALE IN THE SHAKERS. * RECORD &amp; MONITOR TRIP TANK.</b>				
<b>01.0 2345 - 0045 0</b>		<b>16</b>	<b>N</b>	<b>DRLG</b>	<b>ST</b>	<b>STDP</b>	<b>RIG</b>	<b>10320</b>	<b>10320</b>	<b>9405</b>	<b>10320</b>	<b>RIH W/ 16" ROTARY DRILLING BHA TO BOTTOM ON ELEVATOR. * WASH LAST STD TO BOTTOM. * RECORD &amp; MONITOR TRIP TANK.</b>				
<b>04.2 0045 - 0500 0</b>		<b>16</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>10320</b>	<b>10320</b>			<b>CIRCULATE HOLE CLEAN, INCREASE MW AND CONDITION HOLE TO 96 PCF IN/OUT.</b>				

#### =====WELL OBJECTIVE=====

HWHYH-1328 IS A K-2 GP DELINEATION J-SHAPE PILOT WELL TO BE DRILLED IN THE NORTH-WEST FLANK OF HWHY FIELD. THE PILOT HOLE WILL BE DEEPEN

TO SARAH RESERVOIR TO EVALUATE THE DEVELOPMENT IN THE AREA TO A TOTAL DEPTH OF 15,696 FT MD / 14,361 FT TVD (300 FT TVD INSIDE SARAH FORMATION).

#### =====SAFETY=====

EMPHASIZED SAFETY BEING TOP PRIORITY:

-GDD SAFETY TOPIC SCHEDULE - FIREFIGHTING & EQUIPMENT.

-SANAD PROCEDURE OF THE WEEK: ELECTRICAL SAFETY

-LESSON LEARNT OF THE WEEK (OPERATIONS LESSON LEARNT): WELL CONTROL INCIDENT

-SWA, LINE OF FIRE, PINCH POINT HAZARD, SLIP & FALL, DROPS HAZARD, ETC.

-MOBILE PHONES ARE NOT ALLOWED ON LOCATION- IT IS BASIS FOR DISMISSAL FROM THE COMPANY

-ARAMCO LIFE SAVING RULE CAMPAIGN - RULE #6 OBTAIN AUTHORIZATION BEFORE STARTING EXCAVATION ACTIVITIES.

-SANAD TEN RULED TO LIVE BY RULE # 3 VERIFY ISOLATION BEFORE WORK BEGINS ENTERING A CONFINED SPACE.

-HSE ALERT: 20-23 HAND INJURY WHILE USING IRON ROUGHNECK.

-HSE ALERT: 21-23 FALL FROM DIFFERENT LEVELS DURING RIG MOVE.

-HSE ALERT: 22-23 AUXILIARY CYLINDER FRAME DAMAGE WHILE LOWERING THE MAST.

-HSE ALERT: 23-23 WINDY WEATHER INCIDENT.

#### =====ARAMCO PERSONNEL=====

\* ARAMCO CLERK DESH DEEPAK # 8145640 ON LOCATION SINCE 05/29/2022.

\* ARAMCO PDP THAMER AL-GHAMDI #820954 ON LOCATION.

\* ARAMCO DRILLING ENG KAMAL, SYED MUHAMMAD ON LOCATION.

#### =====RIG VISIT=====

\* SANAD SUPT, JORDAN LAST VISIT ON 02/26/2023

#### =====RIG SHORTAGE=====

\* NONE.

#### =====SERVICE COMPANY PERSONNEL=====

\* 1 EMEC MUD ENGINEER ON LOCATION.

\* 2 HALL MUD ENGINEERS ON LOCATION.

\* GEOLOG CREW ON LOCATION.

\* 2 SLB MWD ENG ON LOCATION.

\* BKR BIT MAN ON LOCATION.

\* CORETRAX ENG ON LOCATION.

\* MI-SWACO CREW ON LOC @2/22/23.

\* SLB CMT CREW ON LOCATION.

\* WFD DV ENG ON LOCATION.

=====DRILLS=====

\* 1 X TRIP DRILL, 1 X PIT DRILL, 1 X BOP DRILL, 1 X H2S DRILL.

=====NEAR MISS & SLS=====

\* NONE.

=====RENTAL TOOLS=====

\* 9.5 NPS JAR #HJDA-950-0001 ON LOCATION ON 02-11-2023 @07:25 AM, P/U ON 02-13-2023 @8:00.

=====MUD LOGGING=====

- LAST FORMATION SAMPLE @10320 FT-MD (20% DOLOMITE, 50% SHALE, 20% ANHYDRITE, 10% DOLOMitic LIMESTONE).

- MAX FORMATION GASSES @10315 FT =2564 PPM.

=====COST OPTIMIZATION=====

- 100 BBLS OF SLB 20% VDA ACID ON LOCATION 02/14/2023 AT 14:00 HRS.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS			
MUD DATA	Weight <b>94</b>	Funnel Vis. <b>67</b>	Sec 16	Filtrate(WL) HTHP	Filtrate (WL) API	PV <b>34</b>	YP <b>31</b>	Electrical Stability 0 Volts	3/6 RPM <b>14 / 15</b>	Gels Sec/Min <b>13 / 20</b>	PH <b>9</b>	CA PPM <b>480</b>	CL PPM <b>17000</b>					
	FL Temp <b>90</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>81</b>	Oil Vol. % <b>1</b>	Solids Vol. % <b>18</b>	Sand Vol. % <b>0</b>	% LGS <b>4.03</b>	MBT <b>0</b>	Mud type <b>NCPOL</b>	Water Well # <b>HWYH-835, UTMN-918</b>							
	Weight <b>94</b>	Funnel Vis. <b>65</b>	Sec 16	Filtrate(WL) HTHP	Filtrate (WL) API	PV <b>33</b>	YP <b>32</b>	Electrical Stability 0 Volts	3/6 RPM <b>13 / 14</b>	Gels Sec/Min <b>15 / 20</b>	PH <b>9</b>	CA PPM <b>480</b>	CL PPM <b>16000</b>					
	FL Temp <b>90</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>81</b>	Oil Vol. % <b>1</b>	Solids Vol. % <b>18</b>	Sand Vol. % <b>0</b>	% LGS <b>4.05</b>	MBT <b>0</b>	Mud type <b>NCPOL</b>	Water Well # <b>HWYH-835, UTMN-918</b>							
MUD TREATMENT	SODASH <b>3(100LB)</b>	PACLV <b>10(55LB)</b>	S-THIN <b>10(25LB)</b>	BARITE <b>13(5000L)</b>	OXYGON <b>2(50KG)</b>	CAUST <b>5(50LB)</b>												
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out							
	<b>4</b>	<b>M323</b>	<b>16</b>	<b>HTC</b>	<b>7916887</b>	<b>DD607XV1</b>	<b>/ 10 X 13 /</b>	<b>1.296</b>	<b>4408</b>	<b>10320</b>								
DRILL STRING	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av			
											3450	900	223	97.71	120.05			
	Float BHA Hrs:	<b>Y</b> <b>200.3</b>																
	String Wt.	Pick Up	Slack Off	Rot. Torque <b>17000</b>		Jars: Serial #/Hrs			<b>200.3</b> /			Shock Sub:	/	Mud Motor:	/			
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
	<b>1</b>	<b>Bit</b>			<b>HTC</b>	<b>16</b>	<b>1</b>	<b>16</b>	<b>0</b>	<b>1.67</b>	<b>7 5/8 REG</b>					<b>7916887</b>		
	<b>2</b>	<b>Near Bit Roller Reamer</b>			<b>RIG</b>	<b>16</b>	<b>1</b>	<b>16</b>	<b>2.75</b>	<b>8.75</b>	<b>7 5/8 REG</b>	<b>7 5/8 REG</b>					<b>HDH30668713</b>	
	<b>3</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>30.34</b>	<b>7 5/8 REG</b>	<b>7 5/8 REG</b>						
	<b>4</b>	<b>Roller Reamer</b>			<b>RIG</b>	<b>16</b>	<b>1</b>	<b>16</b>	<b>2.75</b>	<b>8.74</b>	<b>7 5/8 REG</b>	<b>7 5/8 REG</b>					<b>HDHR1908310</b>	
	<b>5</b>	<b>Non Magnetic Drill Collar ( NMDC )</b>			<b>SDM</b>	<b>9.19</b>	<b>1</b>	<b>9.19</b>	<b>2.5</b>	<b>1.5</b>	<b>7 5/8 REG</b>	<b>7 5/8 REG</b>					<b>443311</b>	
	<b>6</b>	<b>Measurement While Drilling ( MWD )</b>			<b>SDM</b>	<b>9.1</b>	<b>1</b>	<b>9.1</b>	<b>3.4</b>	<b>30.8</b>	<b>7 5/8 REG</b>	<b>7 5/8 REG</b>					<b>1721</b>	
	<b>7</b>	<b>Non Magnetic Drill Collar ( NMDC )</b>			<b>SDM</b>	<b>9.17</b>	<b>1</b>	<b>9.17</b>	<b>2.5</b>	<b>1.7</b>	<b>7 5/8 REG</b>	<b>7 5/8 REG</b>					<b>5720431</b>	
	<b>8</b>	<b>Filter Sub</b>			<b>SDM</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3.4</b>	<b>7.7</b>	<b>7 5/8 REG</b>	<b>7 5/8 REG</b>					<b>9501047</b>	
	<b>9</b>	<b>Roller Reamer</b>			<b>RIG</b>	<b>16</b>	<b>1</b>	<b>16</b>	<b>2.812</b>	<b>8.1</b>	<b>7 5/8 REG</b>	<b>7 5/8 REG</b>					<b>061134323</b>	
	<b>10</b>	<b>PBL (Multiple Activation By Pass)</b>			<b>CRW</b>	<b>9.37</b>	<b>1</b>	<b>9.37</b>	<b>3</b>	<b>18.54</b>	<b>7 5/8 REG</b>	<b>7 5/8 REG</b>					<b>DVBD0024</b>	
	<b>11</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>9.5</b>	<b>12</b>	<b>9.5</b>	<b>3</b>	<b>361.38</b>	<b>7 5/8 REG</b>	<b>7 5/8 REG</b>					<b>950001</b>	
	<b>12</b>	<b>Hydraulic Jar</b>			<b>NPJ</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>29.31</b>	<b>7 5/8 REG</b>	<b>7 5/8 REG</b>						
	<b>13</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>9.5</b>	<b>2</b>	<b>9.5</b>	<b>3.19</b>	<b>60.45</b>	<b>7 5/8 REG</b>	<b>7 5/8 REG</b>					<b>206</b>	
	<b>14</b>	<b>Crossover</b>			<b>RIG</b>	<b>9.25</b>	<b>1</b>	<b>9.25</b>	<b>3.06</b>	<b>2.33</b>	<b>6 5/8 REG</b>	<b>7 5/8 REG</b>						
	<b>15</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>8.5</b>	<b>6</b>	<b>8.5</b>	<b>3</b>	<b>177.59</b>	<b>6 5/8 REG</b>	<b>6 5/8 REG</b>					<b>44</b>	
	<b>16</b>	<b>Crossover</b>			<b>RIG</b>	<b>8</b>	<b>1</b>	<b>8.375</b>	<b>3</b>	<b>2.38</b>	<b>6 5/8 FH</b>	<b>6 5/8 FH</b>						
	<b>17</b>	<b>Heavy Weight Drillpipe ( HWDP )</b>			<b>RIG</b>	<b>6.625</b>	<b>9</b>	<b>6.625</b>	<b>4.5</b>	<b>275.17</b>	<b>6 5/8 FH</b>	<b>6 5/8 FH</b>					<b>207</b>	
	<b>18</b>	<b>Crossover</b>			<b>RIG</b>	<b>8</b>	<b>1</b>	<b>8.5</b>	<b>4</b>	<b>2.6</b>	<b>XT 54</b>	<b>6 5/8 FH</b>						
	<b>19</b>	<b>Heavy Weight Drillpipe ( HWDP )</b>			<b>RIG</b>	<b>5.5</b>	<b>9</b>	<b>5.5</b>	<b>3</b>	<b>274.19</b>	<b>XT 54</b>	<b>XT 54</b>						
	<b>20</b>	<b>Drillpipe</b>			<b>RIG</b>	<b>5.5</b>	<b>1</b>	<b>5.5</b>	<b>4.5</b>	<b>31</b>								
	BOP Test <b>02/13/2023</b>		BOP Drills		Wind N/A		Sea N/A		Weather SEASONAL		DSLTA		Safety Meeting					
Miscellaneous	Real-Time Data Quality			Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs			10.99/24 hrs			
	COMPANY		BHT	TGC	RIG	BAR	EMC	MJH	RIG	SDM	RIG	RO1	RIG	ARM	MI2	OTH	ARM	CRW
Personnel and Services Information	CATEGORY		BITS	CTRGS	RIG	DFMS	DFMS	SEC	SEC	LWD	MED	MLS	OTHR	OTHR	SCS	VAC	WSC	WBCS
	NO. OF PERSONS		1	16	42	2	1	7	2	2	1	4	7	3	1	1	3	1
	OPERATING HRS.		12	0	12	12	12	0	0	12	0	24	12	12	12	10	24	12
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
																		Total <b>94</b>

Trucks/Boats	Standby/Tankers <b>AB-6319</b>						
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>430</b>	Barite- SX <b>253</b>	Bentonite - SX <b>86</b>	Cement G- SX <b>5200</b>	
REPAIR ASAP	Instrumentation	Other					Reporter

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D&WO Morning Report (Service Providers View)  
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Daily Onshore  
(0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HRDH-1288 (GAS-PRODUCER IN KHUFF-C RESERVOIR.)</b>	Rig <b>SND- 2002</b>	Foreman(s) <b>AMEZIANE, FARID/ ABOUELENEIN, AMRO MOHAMED/</b>
Engineer Superintendent	<b>ALMOBARAK, ABDULRAHMAN KHALED/ MOUSA, NEDAL ADEL</b>		
THURAYA <b>00-882-167-771-1388</b>	RIG FORMAN VSAT <b>577-6114</b>	OTHER VSAT <b>577-9630</b>	CONTRACTOR/CLERK VSAT <b>577-9623</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>457</b>	<b>CONT DRILL 28" HOLE TO CP AT 457' (20' IN UER), CHC, WIPER TRIP, 22" BHA, RIH, C/O CMT, CHC, POOH, L/D BHA.</b>	<b>RUN AND CMT 24" CSG, PU DRILL 22" SECTION</b>	<b>HARAD</b>	<b>1.2</b> (02/26/2023@0000)	<b>UERA</b> <b>435</b>
Prev. Depth <b>113</b>	Liner Size	TOL MD TVD	Last Csg Size MDTVD	Footage <b>344</b>	Circ % <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
03.0	0500 - 0800	0	28	N	DRLG	HT	BHA	RIG	113	113			<b>CUMMULATIVE TIME FOR CONNECTIONS. &gt; SALAS CHANGED GAS SENSORS ON SHALE SHAKERS DUE TO FALSE ALARMS.</b>			
10.5	0800 - 1830	0	28	N	DRLG	D	TDS	RIG	113	424			<b>ROTARY DRILL 28" HOLE SECTION W/ 65 PCF SPUD MUD &amp; FULL RETURNS. &gt;ADJUST DRLG PARAMETERS TO CONTROL VIBRATION. &gt; SWEEP W/50BBL HVP EACH 30' DRILLED. &gt; SPOT 100BBL HVP PRIOR TO CONNECTION</b>			
01.0	1830 - 1930	0	28	N	DRLG	D	TDS	RIG	424	457			<b>ROTARY DRILL 28" HOLE W/ 65PCF INHIBITED PHPA MUD &amp; NO RETURN TO CP AT 457'. &gt;TOTAL LOSSES @ 424' &gt; PARAMETERS AS PER TWIST OFF AVOIDANCE &gt; PUMPED 50BBLS HVP EA. 30' DRILLED. &gt; PUMP 100BBLS HVP BEFORE CONNECTION.</b>			
01.5	1930 - 2100	0	28	N	DRLG	CIRC	MPMP	RIG	457	457			<b>PUMP 100BBLS HVP &amp; CIRC. TO LZ; SPOT 200 BBLS HVP ON BTM.</b>			
01.0	2100 - 2200	0	28	N	DRLG	TO	BHA	RIG	457	457	457	65	<b>WIPER TRIP: POOH FREELY TO TOP REAMER.</b>			
01.0	2200 - 2300	0	28	N	DRLG	TI	BHA	RIG	457	457	65	457	<b>RIH W/ 28" DRLG ASSY TO BTM FREELY, NO FILL.</b>			
02.0	2300 - 0100	0	28	N	DRLG	CIRC	MPMP	RIG	457	457			<b>PUMP 100 BBLS HI-VIS &amp; CHC TO LZ, SPOT 300 BBL WT PILL ON BTM.</b>			
03.5	0100 - 0430	0	28	N	DRLG	TO	BHA	RIG	457	457	457	0	<b>POOH W/ 28" DRLG ASSY, L/D 3 X REAMERS, S.SUB, BIT &gt;L/D S.SUB @ 4:30 HRS.</b>			
00.5	0430 - 0500	0	28	N	CSG	HT	PEL	GOC	457	457			<b>RIG UP AL-GHAITH CASING TOOLS..ON GOING AT RPT</b>			

**WELL OBJECTIVE:** HRDH-1288 IS PLANNED TO BE DRILLED AS A MK-1 HORIZONTAL WELL ACROSS KHUFF-C (KHUFF-C2 SUB LAYER) IN THE MINIMUM STRESS

**DIRECTION WITH A TOTAL RESERVOIR CONTACT OF 4,000 FT AND WILL BE COMPLETED WITH MSF EQUIPMENT OR 15K LINER.**

=====ERP=====

> STAGING AREA #1: N: 24.12949, E: 49.14093, 600M EAST  
> STAGING AREA #2: N: 24.13444, E: 49.13257, 600M NW

=====WELL SECTIONS =====

- \* PLANNED 28" SECTION TO 455'MD (20' INTO UER) / ACTUAL: 457'.
- \* PLANNED 22" SECTION TO 2445'MD (50' INTO AHMD) / ACTUAL: ...'.
- \* PLANNED 16" SECTION TO 4933'MD (50' INTO MDTM) / ACTUAL: ...'.
- \* PLANNED 12" SECTION TO 9914'MD (30' INTO BJDM) / ACTUAL: ...'.
- \* PLANNED 8-3/8" SECTION TO 12662' MD (10' INTO KFCC)/ACTUAL: ...'MD.
- \* PLANNED 5-7/8" SECTION L-1 TO 16934' (4,000' LATERAL INTO KFC7) /ACTUAL: ...' MD.

=====CSG KPI=====

- \* RIG MOVE KPI: 10.52 DAYS, ACTUAL: 10.0 DAYS.
- \* RUN 24" CSG KPI: 4 JT/HR, ACTUAL: ... JT/HR
- \* RUN 18-5/8" CSG KPI: 7 JT/HR, ACTUAL: ... JT/HR
- \* RUN 13-3/8" CSG KPI: 11.5 JTS/HR / ACTUAL: ... JTS/HR
- \* RUN 9-5/8" CSG KPI: 14 JTS/HR / ACTUAL: ... JTS/HR
- \* RUN 7" CSG KPI: 14 JTS/HR / ACTUAL: ... JTS/HR
- \* RUN 4-1/2" TBG KPI:14 JTS/HR / ACTUAL: ... JTS/HR.
- \* RUN 4-1/2" UPPER COMPLETION KPI: 13.5 JT/HR / ACTUAL: ... JT/HR

=====WELLHEAD KPI =====

- \* INSTALL 24" X 26 3/4" 3M WELLHEAD KPI: 6.5 HR / ACTUAL: N/A.
- \* INSTALL 18 5/8" X 20 3/4" 5M WELLHEAD KPI: 5 HR / ACTUAL: ... HR.
- \* INSTALL 13 3/8" X 13 5/8" 10M WELLHEAD KPI: 4 HR / ACTUAL: ... HR.

=====VISITORS/PERSONNEL ON RIG =====

- > RIG CLERK: BHUWAN GURAGAIN # 8145663 ON LOCATION SINCE 01/15/ 2021.
- > ARAMCO CLERK ABDULRAHMAN MOHAMMED ADAWI #818432 ON LOCATION SINCE 0222/2023.
- > ARAMCO PDP FAHAD ALQAHTANI #808994 ON LOCATION SINCE 02/26/2023.
- > ARAMCO DOECD FCC RABAH OUKHOUYA (ID# 8518251) ON LOCATION FOR HSEGA SINCE 02/26/2022.

=====CREW SHORTAGE=====

- > CREW SHORTAGE: NIL.
- > SAUDIZATION: 77%

=====HSE=====

- > NEAR MISS: 0, SOC 26, PTW 10, JSA 14, SWA 7, HAZARD HUNT 4.

- > SAFETY DRILLS: 1 H2S DRILL.

> SAFETY ALERT: 20-23 HAND INJURY WHILE USING IRON ROUGHNECK, 21-23 FALL FROM DIFFERENT LEVELS DURING RIG MOVE, 22-23 AUXILIARY CYLINDER FRAME DAMAGE WHILE LOWERING THE MAST, 23-23 WINDY WEATHER INCIDENT.

=====AUDITS=====

- > 2ND RHSI-2021: TOTAL ITEMS - 51, CLOSED- 51, OPEN-0

- > WCI 2021: TOTAL ITEMS - 2, CLOSED-2 & OPEN - 0

- > 1QTR 3MCI ON 01/27/2023: 44 FINDINGS, 38 CLOSED, 6 OPEN ITEMS.

=====INSPECTION WHILE RIG UP=====

- > BI-ANNUAL LIFTING EQUIPMENT CHANGED OUT COLOR CODE & INSPECTION.

> PERFORM CAT-3 INSPECTION FOR: CROWN BLOCK, DEADLINE ANCHOR, DRAWWORKS, MONKEY BOARD, ROTARY TABLE, TDS, TRAVELLING BLOCK, CASING STABBING BOARD, BOP WORK PLATFORM, BOP BEAM, SUPERSACK BEAM, SAFETY CLAMP, CELLAR GRATING LIFTING POINTS.

> INSPECTION MUD HIGH PRESSURE LINES AND CHICKSANS, AND VALVES ANNUAL (VISUAL, MPI & UT) THEN HYDRO TO TEST 7500PSI.

- > PERFORM CAT-4 FOR HANDLING TOOLS.

> PRESURE TESTED FIRE PMP LINE TO 200 PSI OK.

=====WELLSITE CONTRACTOR EQUIPMENT ON LOCATION=====

- > SPRAY TANKER DRSS #1003830741- PLATE # 2-2517/1259 TRA (ON LOC FROM 2/1/23).

=====RENTAL TOOLS=====

- > RECIEVED 12" COUGAR SHOCK SUB SN#ST5-1200-133 ON 02/25/2023 AT 9:30HRS, PU ON 02/26/2023 AT 00:00, L/D ON 02/27/2023 AT 4:30.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS		
MUD DATA	Weight <b>65</b> PCF	Funnel Vis. <b>85</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>10</b>	YP <b>32</b>	Electrical Stability Volts		3/6 RPM <b>14 / 15</b>	Gels Sec/Min <b>16 / 28</b>	PH <b>10</b>	CA PPM <b>200</b>		CL PPM <b>500</b>				
	FL Temp <b>0</b>	Cake HTHP	Cake API <b>1</b>	Water Vol. % <b>94</b>	Oil Vol. % <b>94</b>	Solids Vol. % <b>6</b>	Sand Vol. % <b>0</b>		% LGS <b>3.76</b>	MBT <b>25</b>	Mud type <b>SPUD</b>	Water Well # <b>HRDH-845, HRDH-881</b>						
	Weight <b>65</b> PCF	Funnel Vis. <b>82</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>10</b>	YP <b>31</b>	Electrical Stability Volts		3/6 RPM <b>14 / 15</b>	Gels Sec/Min <b>16 / 28</b>	PH <b>10.1</b>	CA PPM <b>200</b>		CL PPM <b>500</b>				
	FL Temp <b>0</b>	Cake HTHP	Cake API <b>1</b>	Water Vol. % <b>94</b>	Oil Vol. % <b>94</b>	Solids Vol. % <b>6</b>	Sand Vol. % <b>0</b>		% LGS <b>3.76</b>	MBT <b>25</b>	Mud type <b>SPUD</b>	Water Well # <b>HRDH-845, HRDH-881</b>						
MUD TREATMENT	BENT <b>3(2500L)</b>	CAUST <b>4(50LBP)</b>	UTG-XG <b>6(55LB)</b>	CAOH2 <b>30(25KG)</b>	NEWDRLLPLUS <b>30(25KG)</b>	BARITE <b>15(5000L)</b>												
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out							
	<b>1</b>	<b>131</b>	<b>28</b>	<b>SEC</b>	<b>838603</b>	<b>XN3C / 4 X 16 /</b>	<b>0.785</b>	<b>51</b>	<b>508</b>									
DRILL STRING	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP		
			<b>35</b>	<b>80</b>							<b>250</b>	<b>800</b>	<b>328</b>	<b>26.01</b>	<b>28.26</b>	<b>388</b>		
DRILL STRING	Float <b>Y</b>																	
	BHA Hrs: <b>17</b>																	
	String Wt. <b>110</b>	Pick Up <b>110</b>	Slack Off <b>110</b>		Rot. Torque <b>1500</b>			Jars: Serial #/Hrs			/	Shock Sub: <b>/ 17</b>		Mud Motor: <b>/</b>				
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
	<b>1</b>	Bit			<b>SEC</b>			<b>28</b>		<b>1.85</b>	<b>7-5/8"</b> REG				<b>838603</b>			
	<b>2</b>	Near Bit Roller Reamer			<b>RIG</b>	<b>28</b>	<b>1</b>	<b>28</b>	<b>3</b>	<b>9.75</b>	<b>7-5/8"</b> REG	<b>7-5/8" REG</b>				<b>1111RR016</b>		
	<b>3</b>	Shock Sub			<b>CTC</b>	<b>12</b>	<b>1</b>	<b>12</b>	<b>3</b>	<b>14.7</b>	<b>7-5/8"</b> REG					<b>ST51200133</b>		
	<b>4</b>	Drillcollar			<b>RIG</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3.062</b>	<b>29.06</b>	<b>7-5/8"</b> REG		<b>216.94</b>	<b>DC</b>		<b>701</b>		
	<b>5</b>	String Reamer			<b>RIG</b>	<b>28</b>	<b>1</b>	<b>28</b>	<b>3</b>	<b>9.38</b>	<b>7-5/8"</b> REG					<b>3032346</b>		
	<b>6</b>	Drillcollar			<b>RIG</b>	<b>9.5</b>	<b>12</b>	<b>9.5</b>	<b>3.062</b>	<b>329.66</b>	<b>7-5/8"</b> REG		<b>216.94</b>	<b>DC</b>		<b>LISTED</b>		
	<b>7</b>	Crossover			<b>RIG</b>	<b>8</b>	<b>1</b>	<b>8</b>	<b>3</b>	<b>1.67</b>	<b>5.5" XT54</b>					<b>1010</b>		
	<b>8</b>	Heavy Weight Drillpipe (HWDP)			<b>RIG</b>	<b>5.5</b>	<b>2</b>	<b>5.5</b>	<b>3.25</b>	<b>61.07</b>	<b>5.5" XT54</b>	<b>5.5" XT54</b>	<b>52.51</b>	<b>HW</b>		<b>LISTED</b>		
	<b>9</b>	Drillpipe			<b>RIG</b>	<b>5.5</b>	<b>1</b>	<b>5.5</b>	<b>4.67</b>	<b>29.65</b>	<b>5.5" XT54</b>	<b>5.5" XT54</b>	<b>24.7</b>	<b>G105</b>		<b>LISTED</b>		
Miscellaneous	BOP Test	BOP Drills	Wind <b>NORMAL</b>	Sea <b>N/A</b>	Weather <b>SEASONAL</b>	DSLTA		Safety Meeting <b>PINCH POINTS, BODY POSITION &amp; EEFECTIVE SWA.</b>										
	Real-Time Data Quality			Sensors Quality			92%	Data Frequency			100%	Real-Time Hrs			10.99/24 hrs			

Personnel and Services Information	COMPANY		NCS	GEI	GOC	SEC	TGC	RIG	EMC	MJH	SNS	RIG	ARM	ARM	Total <b>109</b>
	CATEGORY		PCS	ISPCT	CSR	BITS	CTRG	RIG	DFMS	SEC	H2S	OTHR	OTHR	WSC	
	NO. OF PERSONS		5	4	2	1	15	49	1	8	1	17	4	2	
	OPERATING HRS.		0	12	0	15	0	24	24	0	24	12	12	24	
	ON LOCATION HRS.		17	24	6	24	24	24	24	24	24	24	24	24	
	Standby/Tankers		<b>ARAMCO P/U: DH-4867</b>		<b>SANAD AMBULANCE</b>		<b>SANAD BUS</b>		<b>SANAD PICKUP</b>						
Trucks/Boats	BULK		Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX		Bentonite - SX	Cement G- SX						
						<b>145</b>		<b>110</b>	<b>5400</b>						
REPAIR ASAP	Instrumentation		Other Computer, Communication & V-Sat Issues												Reporter

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>SDON-2 (EVALUATE THE UNAYZAH B/C UNDIFFERENTIATED (UBCU) AND UNAYZAH A (UNZA) RESERVOIRS)</b> Charge (#: <b>(75- 22829- 0002)</b> Wellbores: (0) SDON_2_0	Rig <b>SND- 2003</b> Foreman(s) Engineer Superintendent <b>FARHNA, ABDELRAHMAN OBEDELLAH MOHAMMED/ ALBALAWI, HISHAM MUSALLAM/ MOUSA, FAWAZ NASSER/ BENAICHA, MOHAMED</b>	THURAYA <b>0088-216-777-11387</b>	RIG FORMAN VSAT <b>378-6451</b>	FAX VSAT <b>N/A</b>	CONTRACTOR/CLERK VSAT <b>CLERK: 378-6453</b>	CONTRACTOR/CLERK VSAT <b>T.P. 013-804-9624</b>
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Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops				
<b>14238</b>	<b>CONT. POOH. L/D CORING BHA &amp; RECOVER CORE#1. RIH WITH CORING BHA. CBU. CUT CORE #2.</b>	<b>CUT CORE #2. POOH WITH CORING BHA.</b>	<b>160 KM WEST FROM HRDH GAS PLANT - N 2617999.82; E 227530.24</b>	<b>55.7</b> (01/02/2023@1230)	<b>KFDA 13296 39 FT SHALLOWER THAN PROGRAM BKDC 13780 65 FT SHALLOWER THAN PROGRAM UNYZ 13870 NOT ON PROGRAM UNZA 13900 20 FT SHALLOWER THAN PROGRAM BUZA 13990 NOT ON PORGRAM UBCU 14190 65 FT SHALLOWER</b>				
<b>14230</b>	Liner Size <b>7</b>	TOL <b>9296</b>	MD <b>13693</b>	TVD <b>13693</b>	Last Csg Size <b>9 5/8</b>	MD <b>9823</b>	TVD <b>9823</b>	Footage <b>8</b>	Circ % <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
<b>02.0</b>	<b>0500 - 0700</b>	<b>0</b>	<b>5 7/8</b>	<b>E</b>	<b>CORE</b>	<b>TO</b>	<b>STDP</b>	<b>RIG</b>	<b>14230</b>	<b>14230</b>	<b>2275</b>	<b>1457</b>	<b>POOH WITH CORING BHA ON STAND OF 5-1/2" &amp; 4" TO TOP OF BHA WITH CONTROLLED SPEED. -MONITOR WELL ON TRIP TANK, WELL STATIC. -FLOW CHECK AS REQUIRED, WELL STATIC.</b>			
<b>05.5</b>	<b>0700 - 1230</b>	<b>0</b>	<b>5 7/8</b>	<b>E</b>	<b>CORE</b>	<b>TO</b>	<b>BHA</b>	<b>RIG</b>	<b>14230</b>	<b>14230</b>	<b>1457</b>	<b>0</b>	<b>CONT. POOH WITH CORING BHA WITH CONTROLLED SPEED. LAY DOWN CORE BARRELS. RECOVERED 60 FT OUT 60 FT(100 % RECOVERY) -MONITOR WELL ON TRIP TANK, WELL STATIC. -FLOW CHECK AS REQUIRED, WELL STATIC. - RIG CREW MASKED UP - AIR BLOWER WORKING ON RIG FLOOR -CHECKING GAS EVERY CONNECTION -WEARING PERSONAL GAS DETECTOR -CORE CUTTED IN 3FT PCS AND LABELED THEN SENT TO TOWN. -NO H2S OR LEL</b>			
<b>03.0</b>	<b>1230 - 1530</b>	<b>0</b>	<b>5 7/8</b>	<b>E</b>	<b>CORE</b>	<b>HT</b>	<b>CORC</b>	<b>RIG</b>	<b>14230</b>	<b>14230</b>			<b>HPJSM, P/U, M/U AND RIH NOV CORE #2 BBLS WITH PDC CORE HEAD 5-7/8" X 2-5/8" (IADC: S322, CDPC 713S, SN: A290450) &amp; BHA FOR CORE#2. - MONITOR WELL WITH TRIP TANK STATIC.</b>			
<b>00.5</b>	<b>1530 - 1600</b>	<b>0</b>	<b>5 7/8</b>	<b>E</b>	<b>CORE</b>	<b>RR</b>	<b>TDS</b>	<b>RIG</b>	<b>14230</b>	<b>14230</b>			<b>SERVICED TOP DRIVE.</b>			
<b>06.5</b>	<b>1600 - 2230</b>	<b>0</b>	<b>5 7/8</b>	<b>E</b>	<b>CORE</b>	<b>TI</b>	<b>STDP</b>	<b>RIG</b>	<b>14230</b>	<b>14230</b>	<b>1451</b>	<b>13696</b>	<b>RIH WITH CORE#2 BHA ON STANDS OF 4" &amp; 5-1/2" DP TO 7" CASING SHOE. BREAK CIRCULATION EVERY 20 STDs. - MONITOR WELL ON TRIP TANK,WELL STATIC.</b>			
<b>00.5</b>	<b>2230 - 2300</b>	<b>0</b>	<b>5 7/8</b>	<b>E</b>	<b>CORE</b>	<b>TI</b>	<b>STDP</b>	<b>RIG</b>	<b>14230</b>	<b>14230</b>	<b>13696</b>	<b>14038</b>	<b>RIH WITH CORE BHA ON STANDS OF 4" &amp; 5-1/2" DP TO 14038 FT. BREAK CIRC EVERY 20 STDs. - MONITOR WELL ON TRIP TANK,WELL STATIC.</b>			
<b>04.0</b>	<b>2300 - 0300</b>	<b>0</b>	<b>5 7/8</b>	<b>E</b>	<b>CORE</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>14230</b>	<b>14230</b>			<b>WASH DOWN LAST TWO STAND TO BOTTOM. CIRCULATE BOTTOM UP WITH 200 GPM. SPACE OUT &amp; DROP DIVERTING BALL WITH 80 GPM. -RECORDED SCR &amp; OFF BOTTOM PARAMETERS. - MAX GAS READING 0.5 % AT BTU</b>			
<b>02.0</b>	<b>0300 - 0500</b>	<b>0</b>	<b>5 7/8</b>	<b>E</b>	<b>CORE</b>	<b>CORE</b>	<b>CORC</b>	<b>NOC</b>	<b>14230</b>	<b>14238</b>			<b>CUT CORE #2 FROM 14,230 FT TO 14,290 FT ACROSS UNYAZAH B/C. ONGOING @ RT.</b>			

**WELL-SDON-2 IS CONSIDERED AS CLASS A CRITICAL BASED ON THE SAUDI ARAMCO WELL COMPLEXITY INDEX.**

=====SDON-2 WELL OBJECTIVE=====

SHUDON-2 WELL IS PROPOSED TO BE DRILLED AS A VERTICAL WELL TO A TOTAL DEPTH OF +/- 15,520 FT MD/ 15,520 FT TVD (+/-205 FT INTO PRE-UNAYZAH UNCONFIRMITY). THE PRIMARY OBJECTIVE OF THIS WELL IS TO TEST UNAYZAH B/C UNDIFFERENTIATED (UBCU) AND SECONDARY TARGET IS TO TEST UNAYZAH A (UNZA) RESERVOIRS

===== WELL DESIGN =====

**CASING SETTING DEPTH:**

- PLANNED 30" CONDUCTOR AT 115 FT, ACTUAL 115 FT.
- PLANNED 24" CASING AT 530 FT, 50 FT INTO ARUMA. ACTUAL 535 FT.
- PLANNED 18-5/8" CASING AT 2,935 FT, 100 FT INTO BYDH. ACTUAL 2,838 FT.
- PLANNED 13-3/8" CASING AT 5,185 FT, 100 FT INTO HITH. ACTUAL 5,377 FT.
- PLANNED 9-5/8" CASING AT 9,790 FT, 30FT INTO BJDM. ACTAL 9,823 FT.
- PLANNED 7" LINER AT 13,735 FT, 400 FT INTO KFDA. ACTUAL 13,963 FT.
- PLANNED 4-1/2" LINER AT 15,520 FT, 205 FT INTO PRE-UNAYZAH UNCONFIMITY

=====RIG LOCATION=====

DIRECTIONS: +/- 425 KM FROM DAHRAN, FROM HARADH - TAKE AL KHARJ HIGHWAY 37 KM AND TURN LEFT, 19 KM AND TURN RIGHT, 0.5 KM, TURN RIGHT AND

PROCEED FOR 35 KM AND TURN LEFT ONTO SKID ROAD, 49 KM INTO LOCATION.

\*ENSURE TO CALL RIG PRIOR TO ENTERING SKID ROAD FOR JOURNEY MANAGEMENT; HAVE A THURAYA IF TRAVELLING TO THE RIG.

===== ARAMCO PERSONNEL ON LOCATION =====

- ARAMCO CLERK NAWARAJ GURUNG ON LOCATION.

- ARAMCO PALEONTOLOGIST BANDER ALSHEHRI ON LOCATION SINCE 2/16/2023.

- ARAMCO WELLSITE GEOLOGIST ABDULATIF ALANAZI ON LOCATION SINCE 2/20/2023.

- ARAMCO PALEONTOLOGIST MOHAMMAD ALJAROOGI ON LOCATION SINCE 2/21/2023.

===== SAFETY & AUDIT =====

NO AUDIT ITEMS

2X TRIP DRILLS, 2X PIT DRILLS

===== MUD LOGGING REPORT =====

LITHOLOGY @ (14,230 FT): SILTSTONE (20%), SANDSTONE (80%).

TRIP GAS: 0.58%, CONNECTION GAS: NA, MAX FORMATION GAS: NA.

===== DIESEL CONSUMPTION & WATER WELL =====

- DIESEL ENGINE CONSUMPTION (RIG+CAMP): DAILY 43 BBLS / MONTHLY: 1133 BBLS / TOTAL (2023): 2,905 BBLS.

- WATER WELL: SHDN-807, FLOW RATE: 1000 GPM AND SHDN-808, FLOW RATE: 500 GPM.

===== NEXT LOCATION =====

- WELL: HRMN-1 READY

- WATER WELL: HRMN-801 UNDER CONSTRUCTION (SPUDDED ON FEB 18 2023).

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS
MUD DATA	Weight 78 PCF	Funnel Vis. 51 SEC	Filtrate(WL) 2 HTHP	Filtrate (WL) API	PV 12	YP 17	Electrical Stability 550 Volts	3/6 RPM 7 / 9	Gels Sec/Min 7 / 9	PH 0	CA PPM 0	CL PPM 0			
	FL Temp 120	Cake HTHP 2	Cake API 0	Water Vol. % 13	Oil Vol. % 63	Solids Vol. % 24	Sand Vol. % 0	% LGS 5	MBT 0	Mud type OBM	Water Well # SHDN-807, SHDN-808				
	Weight 78 PCF	Funnel Vis. 50 SEC	Filtrate(WL) 2 HTHP	Filtrate (WL) API	PV 13	YP 17	Electrical Stability 550 Volts	3/6 RPM 7 / 8	Gels Sec/Min 7 / 8	PH 0	CA PPM 0	CL PPM 0			
	FL Temp 120	Cake HTHP 2	Cake API 0	Water Vol. % 14	Oil Vol. % 63	Solids Vol. % 23	Sand Vol. % 0	% LGS 4	MBT 0	Mud type OBM	Water Well # SHDN-807, SHDN-808				
MUD TREATMENT															
BIT DATA	Bit Number 13RR	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out				
							/ 7 X 16 /	1.374	14230	14238					
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av
											0	0			0
DRILL STRING	Float BHA Hrs:	Y													
	String Wt.	Pick Up	Slack Off		Rot. Torque			Jars: Serial #/Hrs			/	Shock Sub:	/	Mud Motor:	/
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class
	1	Bit			REED	5.875	1	5.875	2.625	0.91	3-1/2" REG				A290450
	2	Core Barrel			NOC	4.75	2	4.75	2.625	67	3-1/2" IF	3-1/2" REG			
	3	Crossover			RIG	4.062	1	4.062	1.5	2.52	3-1/2" REG	3-1/2" IF			
	4	Bit Sub			RIG	4.875	1	4.875	2	3	3-1/2" IF	3-1/2" REG			
	5	Drillcollar			RIG	4.75	26	4.75	2.375	793.96	3-1/2" IF	3-1/2" IF			
	6	Hydraulic Jar			CTC	4.875	1	4.875	2.25	31.3	3-1/2" IF	3-1/2" IF			DJ6-500-163
	7	Drillcollar			RIG	4.75	3	4.75	2.375	92.42	3-1/2" IF	3-1/2" IF			
	8	Crossover			RIG	4.75	1	4.75	2.5	2.67	XT 39	3-1/2" IF			
	9	Heavy Weight Drillpipe (HWDP)			RIG	4	15	4	2.625	457.56	XT 39	XT 39			
	10	Drillpipe			RIG	4	165	4	3.34	5211	XT 39	XT 39			
	11	Crossover			RIG	6.5	1	6.5	2.687	2.31	XT 54	XT 39			
	12	Drillpipe			RIG	5.5	0	5.5	4.67	0	XT 54	XT 54			
Miscellaneous	BOP Test 02/18/2023		BOP Drills		Wind SEASONAL		Sea N/A		Weather SEASONAL		DSLTA		Safety Meeting PRE-TOUR MEETING		
	Real-Time Data Quality				Sensors Quality			100%	Data Frequency		100%	Real-Time Hrs		10.74/24 hrs	
Personnel and Services Information	COMPANY		TGC	NOC	RIG	EMC	MJH	SGR	RIG	ARM	NCS	MI2	OTH	ARM	Total 95
	CATEGORY		CTRG	CEQS	RIG	DFMS	SEC	MLS	OTHR	OTHR	PCS	SCS	VAC	WSC	
	NO. OF PERSONS		18	3	43	2	3	5	8	4	5	1	1	2	
	OPERATING HRS.		0	24	24	12	0	24	12	12	0	12	12	24	
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers DH-8992														
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS		Fuel- BBLS 1161		Barite- SX 176		Bentonite - SX 47		Cement G- SX 2400					
REPAIR ASAP	Instrumentation Computer, Communication & V-Sat Issues													Reporter	

Date <b>MONDAY</b> <b>02/27/2023</b>	Well No (Type) : <b>SHRR-700</b> <b>(WATER DISPOSAL - LOWER RATAWI RESERVOIR)</b> Charge #: <b>(66- 22032- 0700)</b> Wellbores: (0-1) SHRR_700_1	Rig <b>SND-2004</b>	Foreman(s) Engineer Superintendent	<b>LAGGOUN, MESSAOUD/ ALMUTLAQ, ABDULLAH SULAIMAN/ ANS, MUHAMMAD AHMED/ ALMONNIEAY, SAAD SAMEER/</b>
		THURAYA	RIG FORMAN VSAT	OTHER VSAT
		<b>882167712272</b>	<b>3786463</b>	<b>3786464/3786465</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>7442</b>	<b>CONT. RUN 7" TIE BACK SEAL ASSY. SPACE OUT 7" TIE BACK SEAL ASSY, R/U &amp; RIH W/ SLICKLINE TO SET ME PLUG.</b>	<b>SET ME PLUG, P/T 7" TIE-BACK TBG, P/TEST TCA, SET 7" TBG HNGR, INSTALL BPV &amp; N/D BOP. N/U BONNET &amp; X-TREE, RETRIEVE BPV &amp; ME PLUG, SET 7" GAUGE HANGER.</b>	<b>THE WELL IS LOCATED 3.057 KM OF SFNY AND 4.136 KM N2E OF SHRR-811. DISTANCE FROM DHAHRAN MG:225.07 KM</b>	<b>111.2 (11/07/2022@2230)</b>	<b>PAMU 5297 5,297' TVD WASI 5439 5,439' TVD RUML 5512 5,512' TVD AHMD 5776 5776' TVD WARA 5953 5953' TVD SFNY 6118 6093' TVD KHFJ 6566 6500' TVD SHUB 7323 7204' TVD</b>

Prev. Depth	Liner Size	TOL	MD	TVB	Last Csg Size	MD	TVB	Footage	Circ %
<b>7442</b>	<b>7</b>	<b>4864</b>	<b>7223</b>	<b>7113</b>	<b>9 5/8</b>	<b>6219</b>	<b>6190</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	LT TYPE	LT ID	Summary of Operations		
									Start	End					
<b>05.0</b>	<b>0500 - 1000</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>RPCS</b>	<b>UPCOM</b>	<b>FMC</b>	<b>7442</b>	<b>7442</b>	<b>972</b>	<b>2357</b>			<b>CONT. RIH W/ WFD 7" TIE BACK SEAL ASSY ON 7" 26# L-80 NEW VAM TUBING TO 2,357 FT USING CRANE (57 JTS OF TOTAL 118 JTS) - MONITOR WELL ON TRIP TANK - NO LOSSES.</b>
<b>01.5</b>	<b>1000 - 1130</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>DTU</b>	<b>DRFT</b>	<b>GD1</b>	<b>7442</b>	<b>7442</b>	<b>972</b>	<b>2357</b>			<b>R/U SLICK LINE, P/T SL LUBRICATOR TO 2,000PSI, RIH &amp; DRIFT TBG W/ 6.151" DRIFT SIZE TO 2165', POOH TO SURFACE &amp; L/D TOOLS. - MONITOR WELL ON TRIP TANK - NO LOSSES.</b>
<b>01.5</b>	<b>1130 - 1300</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>RPCS</b>	<b>UPCOM</b>	<b>FMC</b>	<b>7442</b>	<b>7442</b>	<b>2357</b>	<b>2520</b>			<b>CONT. RIH W/ WFD 7" TIE BACK SEAL ASSY ON 7" 26# L-80 NEW VAM TUBING TO 2,520 FT USING CRANE (61JTS OF TOTAL 118 JTS) - MONITOR WELL ON TRIP TANK - NO LOSSES.</b>
<b>00.5</b>	<b>1300 - 1330</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>PJSM</b>	<b>SEAL</b>	<b>WLH</b>	<b>7442</b>	<b>7442</b>					<b>CONDUCT SAFETY STAND DOWN MEETING, DISCUSSED RECENT INCIDENTS IN NAODD RIGS AND HAZARDS FOR UPCOMING OPERATIONS. - MONITOR WELL ON TRIP TANK - NO LOSSES.</b>
<b>06.5</b>	<b>1330 - 2000</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>RPCS</b>	<b>UPCOM</b>	<b>FMC</b>	<b>7442</b>	<b>7442</b>	<b>2520</b>	<b>4539</b>			<b>CONT. RIH W/ WFD 7" TIE BACK SEAL ASSY ON 7" 26# L-80 NEW VAM TUBING TO 4,539 FT USING CRANE (111 JTS OF TOTAL 118 JTS). - MONITOR WELL ON TRIP TANK - NO LOSSES.</b>
<b>01.5</b>	<b>2000 - 2130</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>WO</b>	<b>NA</b>	<b>ARM</b>	<b>7442</b>	<b>7442</b>		<b>WON</b>	<b>909643</b>		<b>SUSPEND OPERATIONS DUE TO HIGH WIND SPEED:~ 35 KM/H... WAIT UNTIL WIND SPEED TO DECREASE TO RESUME OPERATIONS.</b>
<b>00.5</b>	<b>2130 - 2200</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>RR</b>	<b>TDS</b>	<b>RIG</b>	<b>7442</b>	<b>7442</b>					<b>SERVICE TDS &amp; CHECK FOR DROP OBJECTS.</b>
<b>01.5</b>	<b>2200 - 2330</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>RPCS</b>	<b>UPCOM</b>	<b>FMC</b>	<b>7442</b>	<b>7442</b>	<b>4539</b>	<b>4822</b>			<b>CONT. RIH W/ WFD 7" TIE BACK SEAL ASSY ON 7" 26# L-80 NEW VAM TUBING TO 4,822 FT USING CRANE (118 JTS OF TOTAL 118 JTS). - MONITOR WELL ON TRIP TANK - NO LOSSES.</b>
<b>02.0</b>	<b>2330 - 0130</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>DTU</b>	<b>DRFT</b>	<b>GD1</b>	<b>7442</b>	<b>7442</b>					<b>R/U SLICK LINE, P/T SL LUBRICATOR TO 2,000 PSI, RIH &amp; DRIFT TBG W/ 6.151" DRIFT SIZE TO 2,505', POOH TO SURFACE &amp; L/D TOOLS. - MONITOR WELL ON TRIP TANK - NO LOSSES.</b>
<b>00.5</b>	<b>0130 - 0200</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>PJSM</b>	<b>SEAL</b>	<b>WLH</b>	<b>7442</b>	<b>7442</b>					<b>CONDUCT SAFETY STAND DOWN MEETING, DISCUSSED RECENT INCIDENTS IN NAODD RIGS AND HAZARDS FOR UPCOMING OPERATIONS. - MONITOR WELL ON TRIP TANK - NO LOSSES.</b>
<b>01.5</b>	<b>0200 - 0330</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>7442</b>	<b>7442</b>					<b>P/U LANDING JNT, CONNECT TDS &amp; RIH TO 10' ABOVE PBR, &amp; BREAK CIRC W/ 200 PSI. - RECORD PUW: 196 KLBS, SOW: 168 KLBS.</b>
<b>01.0</b>	<b>0330 - 0430</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>SET</b>	<b>SEAL</b>	<b>WLH</b>	<b>7442</b>	<b>7442</b>	<b>4822</b>	<b>4864</b>			<b>WASH DOWN, SLACK OFF SLOWLY AND STAB THE SEAL STEM ASSY INTO THE 7" LINER TOP PBR, BLEED OFF PRESSURE.</b>
<b>00.5</b>	<b>0430 - 0500</b>	<b>0-1</b>		<b>C</b>	<b>COMP</b>	<b>DTU</b>	<b>GAUG</b>	<b>GD1</b>	<b>7442</b>	<b>7442</b>					<b>R/U SLICK LINE, P/T SL LUBRICATOR TO 2,000 PSI, RIH &amp; DRIFT TBG W/ 5.85" DRIFT SIZE TO 6,050'... ONGOING @ RPT. - MONITOR WELL ON TRIP TANK - NO LOSSES.</b>

#### Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
<b>27 Feb 2000 - 2130</b>	<b>1.5</b>	<b>1.5</b>	<b>909643</b>		<b>WON</b>	<b>WTHR</b>	<b>NA</b>	<b>ARM</b>	<b>4539</b>	<b>SUSPEND OPERATIONS DUE TO HIGH WIND SPEED:~ 35 KM/H.</b>

**SHRR-700 WILL BE DRILLED AS AN EVALUATION DISPOSAL WELL TO EVALUATE WASIA AND RATAWI FORMATIONS WITH MDT, NMR, CORING AND INJECTIVITY TESTS TO FIND OUT FLUID'S COMPATIBILITY AND DISPOSAL POTENTIAL AT RATE OF +/-15,000 BPD, TO SUPPORT DISPOSAL OF PRODUCED WATER FROM TNJB GAS PLANT. 2 X CHDST'S WILL BE CONDUCTED TO ASSESS INJECTIVITY POTENTIAL OF 2 FORMATIONS. AFTER COMPLETING INJECTIVITY TESTS, WELL WILL BE SUSPENDED FOR FUTURE WORKOVER. PLANNED DRILLING DAYS ARE 98**

=====NEXT WELL=====

- BRRI-2051 (ABU ALI ISLAND)

=====SAFETY=====

- \* HELD DAILY MEETINGS WITH BOTH CREW, SERVICE COMPANIES & 3RD PARTY COMPANIES
- \* REPORTED OBSERVATIONS INTO SLS: 06
- \* NEAR MISS: NONE
- \* DISCUSSED SAFETY ALERTS: NONE
- \* SAFETY DRILLS: NONE

=====ARAMCO PERSONNEL=====

- \* RIG CLERK MR. MUDASIR AHMED GUJRI ON LOCATION SINCE 03/02/2022
- \* RIG MATERIAL EXPEDITER RASHED ALDAHAM #818643 ON LOCATION SINCE 02/13/2023
- \* RIG MATERIAL EXPEDITER NAIF ALHANTUSHI #8496231 ON LOCATION SINCE 02/13/2023
- \* RIG MATERIAL EXPEDITER AHMED ALHARBI #809481 ON LOCATION SINCE 02/20/2023

===== RIG VISITS =====

=====RENTAL TOOLS & OTHERS=====

- \* AL-TAMIMI VACUUM TANKERS (FEBRUARY DRSS#1003830123 / PLATE #5763 XAB, #4172TSB) & DRSS#1003852223/ PLATE #2307KDA, 4810 KRA, 4802 KRA.
- \* HLB 2EA CMT TRI-POD'S ON LOCATION 11/01/2022. 1 RELEASED ON 02/27/2023.
- \* RAWABI GAS DETECTION ON LOCATION 11/04/2022
- \* 2 /FRAC TANKS (OILSERV) FOR ADDITIONAL MUD STORAGE ON LOCATION, RELEASED ON 02/26/2023.
- \* WFD LINER TIE-BACK ENGINEER ON LOCATION SINCE 2/19/2023
- \* OILSERV CT & FRACK TANKS ON LOCATION SINCE 02/21/2023.
- \* SLB SWT ON LOCATION
- \* BAKER FILTRATION UNIT ON LOCATION SINCE
- \* GDMC SLICK LINE ON LOCATION SINCE
- \* INTERWELL ME PLUG ON LOCATION SINCE
- \* FRANKS RUNNING CSG ON LOCATION SINCE

===== DIRECTIONAL DATA=====

- \* NONE

===== WELL DESIGN =====

- \* 34" HOLE, 30 " CONDUCTOR @ 95' MD/TVD
- \* 28" HOLE, 24" CSG @ 248' MD/TVD
- \* 22" HOLE, 18-5/8" CSG @ 1,116' MD/TVD (80' INTO RUS)
- \* 16" HOLE, 13-3/8" CSG @ 5,365' MD/TVD. (50' INTO PAMU)
- \* TOW @ 5,200', BOW @ 5,219', KOP @ 5,219'
- \* 12-1/4" L-0-1 HOLE, 9-5/8" CSG @ 6,219' MD/ 6,150' TVD. (57' INSIDE SAFANIYA)
- \* 8-1/2" L-0-1 HOLE, 7" LINER, TO 7,226' MD / 7,113' TVD. (25' TVD ABOVE TOP OF SHUB)
- \* 6-1/8" L-0-1 HOLE TO 7,442 FT, P&A, EZSV PLUG @ 7,198'.
- \* PERF. INTERVAL#1: F/7,120' TO 6,670' (450 FT ACROSS KHFJ).
- \* PERF. INTERVAL#2: F/6,470' TO 6,240' (230 FT ACROSS SFNY).

Remarks

Lateral	Survey MD		Angle		Azimuth		CLength		TVD		N/S(-)Coordinate				E/W(-)Coordinate				Vertical Sec		DLS															
MUD DATA	Weight <b>75 PCF</b>	Funnel Vis. <b>28 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0 Volts</b>		3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>10</b>	CA PPM <b>0</b>	CL PPM <b>165000</b>																							
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>89</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>11</b>	Sand Vol. % <b>0</b>		% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>NACL</b>	Water Well # <b>SHRR-810</b>																								
	Weight <b>75 PCF</b>	Funnel Vis. <b>28 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0 Volts</b>		3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>10</b>	CA PPM <b>0</b>	CL PPM <b>165000</b>																							
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>89</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>11</b>	Sand Vol. % <b>0</b>		% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>NACL</b>	Water Well # <b>SHRR-810</b>																								
MUD TREATMENT	BCTR N	CAUST N	NACL N	NABR-S N	KDP-82 N																															
BIT DATA																																				
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #																						
Miscellaneous	BOP Test <b>02/23/2023</b>	BOP Drills <b>DAILY</b>		Wind <b>NORMAL</b>	Sea <b>N/A</b>	Weather <b>SEASONAL</b>		DSLTA		Safety Meeting <b>PRE-TOUR SAFETY MEETING</b>																										
	Real-Time Data Quality				Sensors Quality				99%	Data Frequency		100%	Real-Time Hrs		10.97/24 hrs																					
Personnel and Services Information	COMPANY		SCB <b>BCRC</b>	FMC <b>CSR</b>	TGC <b>CTRG</b>	OZT <b>COIL</b>	RIG <b>RIG</b>	GDF <b>DFMS</b>	MJH <b>SEC</b>	BFS <b>FILT</b>	RUE <b>H2S</b>	WLH <b>LHES</b>	RIG <b>OTHR</b>	ARM <b>OTHR</b>	OTH <b>VAC</b>	ARM <b>WSC</b>	SWT <b>WTSE</b>	GD1 <b>SLS</b>	INW <b>BCRC</b>	Total <b>118</b>																
	CATEGORY																																			
	NO. OF PERSONS		<b>2</b>	<b>2</b>	<b>16</b>	<b>14</b>	<b>45</b>	<b>2</b>	<b>6</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>2</b>	<b>6</b>	<b>3</b>	<b>1</b>	<b>0</b>																
	OPERATING HRS.		<b>0</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>15</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>6</b>	<b>6</b>	<b>0</b>																
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>																
Trucks/Boats	Standby/Tankers <b>DH-7559</b>																																			
BULK	Drill Wtr.-BBLS <b>670</b>	Pot Wtr.- BBLS <b>550</b>	Fuel- BBLS <b>598</b>	Barite- SX <b>135</b>	Bentonite - SX <b>83</b>	Cement G- SX <b>2800</b>																														
REPAIR ASAP	Instrumentation		Other																																	
	Computer, Communication & V-Sat Issues																																			

D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>USKR-7 (PRIMARY OBJECTIVE OF THE WELL IS TO EVALUATE THE GAS POTENTIAL IN ARAB "C" AND HADRIYA RESERVOIRS)</b>	Rig <b>SND- 2005</b>	Foreman(s) <b>MONTA, ERIC GENE/ LEBBAL, MOHAMED/ BARRAGAN RIVERA, FERNANDO/ JAAFARI, FAROOG KHALED/ BU RUSHAIID, IBRAHIM MOHAMMED</b>
Engineer Superintendent	THURAYA <b>008821677712705</b>	RIG FORMAN VSAT <b>578-8525</b>	OTHER VSAT <b>578-8525</b>
CONTRACTOR/CLERK VSAT			<b>578-8528 804-9647</b>

Depth <b>11341</b>	Last 24 hr operations <b>RIH W/ 2-7/8" THRU TBG MTR BHA, WASH DOWN.</b>	Next 24 hr plan <b>DRILL OUT CMT AND 4-1/2" SHOETRACK TO PBTD, CHC, POOH AND L/D 2-7/8" DC, 2- 3/8" DP &amp; 2-7/8" MTR BHA.</b>	Location <b>773 KM FROM DMG TO SHUBAYTAH, 80 KM BEFORE SHAYBAH GATE, TURN RIGHT, GO 83 KMS ON SKID ROAD.</b>	Days Since Spud/Comm (Date) <b>84.2 (12/04/2022@1730)</b>	Formation tops <b>SULY 8440 126 FT HIGH HITH 8970 126 FT HIGH ABAR 9355 NOT IN DRLG ABBR 9440 PROGRAM ABCR 9610 122 FT HIGH ABDR 9730 103 FT HIGH JUBL 9920 NOT IN DRLG UJBR 9960 101 FT HIGH HNIF 10600 123 FT HIGH HDRR 10850 104 FT HIGH BHDR 11140 AS PER PROGRAM</b>				
Prev. Depth <b>11341</b>	Liner Size <b>4 1/2</b>	TOL <b>7943</b>	MD <b>11336</b>	TVD <b>11336</b>	Last Csg Size <b>9 5/8</b>	MD <b>3779</b>	TVD <b>3779</b>	Footage <b>0</b>	Circ % <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
00.5	0500 - 0530	0		N	CT	HT	PEL	RIG	11341	11341			CLEAN & CLEAR RIG FLOOR.
01.8	0530 - 0715	0		N	CT	WBCO	WBCL	SAM	11341	11341			M/U SAMAA 4-3/4" PBL SUB TO STD OF 4" DP. BREAK CIRCULATION (100 GPM / 25 PSI), DROP 1.5" ACTIVATION BALL & OPEN PBL SUB W/ 75 PSI. THEN DROP 2 EACH 1-3/8" DE-ACTIVATION BALLS & CLOSE PBL SUB W/ 3100 PSI. CIRCULATE AT 100 GPM W/ SAME ORIGINAL 25 PSI - PBL SUB CYCLED "OK". L/D SAME.
01.8	0715 - 0900	0		N	CT	HT	BHA	ARM	11341	11341			C/O HANDLING GEAR TO 2-7/8". P/U & M/U RAWABI ARCHER 2-7/8" THRU TBG MOTOR, JARS, MOTOR HEAD ASSY & X/O TO 25'. *SURFACE TEST MTR: 50 GPM/300 PSI, 80 GPM/500 PSI, 100 GPM/650 PSI.
02.5	0900 - 1130	0		N	CT	HT	BHA	RIG	11341	11341			RIH W/ RAWABI ARCHER 2-7/8" MOTOR BHA PICKING UP 18 JTS 2-7/8" DC'S TO 576'. *FLUSH & DRIFT EACH JT. *BREAK CIRCULATION W/ 50 GPM / 420 PSI
05.8	1130 - 1715	0		N	CT	LDP	STRG	RIG	11341	11341	576	3497	RIH W/ RAWABI ARCHER 2-7/8" MOTOR BHA PICKING UP 93 JTS 2-3/8" DP F/ 576' TO 3497'. *FLUSH & DRIFT EACH JT. *BREAK CIRCULATION EVERY 15 JTS.
00.5	1715 - 1745	0		N	CT	WBCO	WBCL	SAM	11341	11341			P/U AND M/U 4-3/4" SAMAA PBL SUB.
02.8	1745 - 2030	0		N	CT	TI	SPDP	RIG	11341	11341	3497	5963	RIH W/ RAWABI ARCHER 2-7/8" MOTOR BHA ON 4" DP F/ 3,497' TO 5,963'. *MONITOR WELL ON TRIP TANK, PROPER PIPE DISPLACEMENT.
01.2	2030 - 2145	0		N	CT	RR	DWKS	RIG	11341	11341			HPJSM, SLIP & CUT 90 FT OF DRILL LINE. RECALIBRATE DEPTH SENSORS, FLOOR & CROWN SAVERS. *MONITOR WELL ON TRIP TANK - WELL STATIC
01.5	2145 - 2315	0		N	CT	TI	SPDP	RIG	11341	11341	5963	7859	RIH W/ RAWABI ARCHER 2-7/8" MOTOR BHA ON 4" DP F/ 5,963' TO 7,859'. *MONITOR WELL ON TRIP TANK, PROPER PIPE DISPLACEMENT.
01.5	2315 - 0045	0		N	CT	RW	BIT	RIG	11341	11341	7859	8047	P/U 2 STD'S OF 5-1/2" DP, M/U TOP DRIVE AND

**THE PRIMARY OBJECTIVE OF THE WELL IS TO EVALUATE THE GAS POTENTIAL IN ARAB "C" AND HAYDRIYA RESERVOIRS. THE WELL IS PROPOSED TO BE DRILLED TO A TOTAL DEPTH OF 11,355 FT MD (+/-200 FT INTO BASE HADRIYA RESERVOIR) TO EVALUATE GAS OPPORTUNITY WITHIN THE USAYKIRAH FIELD.**

## CASING SETTING DEPTH:

**DRILL 22" HOLE TO 200', ACTUAL 289'**

**DRILL 16" HOLE TO 1.466' [50' INTO RUS]. ACTUAL 1.330'**

**DRILL 12" HOLE TO 3,995' [30' INTO MSRF] ACTUAL 3,785' (45' INTO MSRF)**

**DRILL 8-3/8" HOLE TO 8,586' [20' INTO SULY] ACTUAL 8460'**

**DRILL 5-7/8" HOLE TO 11,341' [200' INTO BHDR] ACTUAL 11,341'**

ARAMCO CL

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## LITHOLOGY:

- MAX TRIP GAS- N/A

DIESEL CONSUMPTION FOR ENGINES (BIC - CAMP) DAILY 60 BBL / CUMULATIVE FOR CURRENT WELL 6,500 BBLS

- DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) = DAILY: 68 BBL / CUMULATIVE FOR CURRENT WELL: 6,526 BBLS

**WATER WELL IN USE IS USKR-807**

NEXT WELL: JAHO-1 - NEW LOCATION "ACCEPTANCE" PAPERWORK COMPLETED FEB 26, 2023

**NEXT WATER WELL: IDAHO-801 NEED UPDATE**

### Remarks

MUD TREATMENT

BIT DATA														
	DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class

Miscellaneous	BOP Test <b>02/25/2023</b>	BOP Drills	Wind <b>MODERATE</b>	Sea <b>N/A</b>	Weather <b>SEASONAL - COOL</b>	DSLTA	Safety Meeting <b>PINCH POINTS HANDLING 2-7/8" &amp; 2-3/8" DP - USE CAUTION</b>
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Real-Time Data Quality	<b>Sensors Quality</b>	100%	<b>Data Frequency</b>	100%	<b>Real-Time Hrs</b>	<b>10.99/24 hrs</b>
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BULK	Drill Wtr.-BBLS <b>500</b>	Pot Wtr.- BBLS <b>500</b>	Fuel- BBLS <b>502</b>	Barite- SX <b>6</b>	Bentonite - SX <b>1</b>	Cement G- SX <b>1050</b>
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REPAIR ASAP	Instrumentation	Other	Reporter
	Computer, Communication & V-Sat Issues		

**V-SAT SYSTEM NEEDS REPLACING, UNABLE TO MAINTAIN COMMUNICATIONS ON RIG.**



Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>UTMN-2305 ( K-1 VERTICAL WELL TARGETING TAWIL FORMATION)</b> Charge #: <b>(66- 22057- #: 2305)</b> Wellbores: (0) UTMN_2305_0	Rig <b>SND- 2006</b> Foreman(s) <b>ELSHAMY, AHMED HAFEZ/ KHALDI, MOHAMMED HUSSIEN/ ABDELKERIM, AHMED REFAAT/ ALSHAMRANY, KHALED AHMED/</b> Engineer Superintendent <b>ZAHRANI, NAWAF MOHAMMED</b>			
		THURAYA <b>882-167-771-2722</b>	RIG FORMAN VSAT <b>013-577-6116</b>	CONTRACTOR/CLERK VSAT <b>013-804-9646</b>	CONTRACTOR/CLERK VSAT <b>013-577-6117</b>

Depth <b>8170</b>	Last 24 hr operations <b>CONT, CMT 13-3/8" P/T BOPE, P/U &amp; M/U 12" ROT. DRLG CSG 2ND STAGE, N/D BHA, D/O DV, SHOE TRACK &amp; FLOATS, BOP, WELL HEAD DRILL 12" VERTICAL HOLE SECTION WORK, N/U BOPE, TO +/- 10,962' (30' INTO BJD)</b>	Next 24 hr plan	Location <b>THE WELL IS LOCATED 0.097 KM N88W OF UTMN-2356 AND 0.732 KM N57W OF UTMN-3552.</b>	Days Since Spud/Comm (Date) <b>32.6 (01/25/2023@1500)</b>	Formation tops
					<b>BYDH 4580 124' DEEPER MDTM 5490 140' DEEPER SULY 6000 91 FT DEEPER HITH 6620 13' SHALLOWER ABAR 7080 57' SHALLOWER ABBR 7200 49' SHALLOWER ABCR 7310 91' SHALLOWER ABDR 7420 62' SHALLOWER PADS 7580 14' SHALLOWER ADP2 7630 19' DEEPER BADR 7860 93' SHALLOWER</b>

Prev. Depth <b>8170</b>	Liner Size	TOL	MD	TVD	Last Csg Size <b>18 5/8</b>	MD <b>4892</b>	TVD <b>4892</b>	Footage <b>0</b>	Circ % <b>100</b>
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Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations
									Start	End	
<b>01.5</b>	<b>0500 - 0630</b>	<b>0</b>	<b>16</b>	<b>N</b>	<b>CSG</b>	<b>CMC</b>	<b>CSG</b>	<b>NCS</b>	<b>8170</b>	<b>8170</b>	<b>CONT. LIFT BOP STACK, SET 13-3/8" MANUAL CASING SLIPS AS PER VG. PN# R89295-4ARM1 &amp; SN# DJ5317504-9.</b>
<b>01.0</b>	<b>0630 - 0730</b>	<b>0</b>	<b>16</b>	<b>N</b>	<b>BOP</b>	<b>NU</b>	<b>BOP</b>	<b>RIG</b>	<b>8170</b>	<b>8170</b>	<b>LAND BOP &amp; RIG UP RETURN LINES TO CASING VALVES, &amp; FLUSH SAME.</b>
<b>00.5</b>	<b>0730 - 0800</b>	<b>0</b>	<b>16</b>	<b>N</b>	<b>CSG</b>	<b>PJSM</b>	<b>CSG</b>	<b>NCS</b>	<b>8170</b>	<b>8170</b>	<b>PRE JOB SAFETY MEETING PRIOR TO PERFORM 2ND STAGE CMT JOB.</b>
<b>04.0</b>	<b>0800 - 1200</b>	<b>0</b>	<b>16</b>	<b>N</b>	<b>CSG</b>	<b>CMC</b>	<b>CSG</b>	<b>NCS</b>	<b>8170</b>	<b>8170</b>	<b>PERFORMED 2ND STAGE CEMENT JOB AS FOLLOWS: RIG PUMPED 200 BBL 106 PCF ARAMCO SPACER. NPS PUMPED 519 BBL OF 118 PCF LEAD CEMENT, FOLLOWED BY 146 BBLS 120 PCF TAIL SLURRY. DROPPED CLOSING PLUG FOLLOWED BY 10 BBLS OF CMT 10 BBLS OF ARAMCO SPACER 106 PCF. RIG DISPLACED CMT WITH 654 BBLS OF 100 PCF MUD. BUMP PLUG WITH 1,800 PSI OVER FCP. CLOSED PORTS ON DV TOOL WITH 2500 PSI, HOLD FOR 10 MINS, BLEED OFF PRESSURE AND PORT COLLAR HOLDING. GOT 100 BBL OF GOOD CEMENT AT SURFACE.</b>
<b>01.5</b>	<b>1200 - 1330</b>	<b>0</b>	<b>16</b>	<b>N</b>	<b>CSG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>8170</b>	<b>8170</b>	<b>FLUSH WH VALVE AND LINES WITH WATER. &gt; MEANWHILE L/D NPS CMT HEAD, AND CMT HARD LINES.</b>
<b>01.0</b>	<b>1330 - 1430</b>	<b>0</b>	<b>16</b>	<b>N</b>	<b>BOP</b>	<b>OTH</b>	<b>BOP</b>	<b>RIG</b>	<b>8170</b>	<b>8170</b>	<b>LIFT BOP STACK, ROUGH CUT 13-3/8" CASING AND L/D SAME. MOVE 26-3/4" BOP STACK TO SET BACK AREA.</b>
<b>01.0</b>	<b>1430 - 1530</b>	<b>0</b>	<b>16</b>	<b>N</b>	<b>BOP</b>	<b>OTH</b>	<b>BOP</b>	<b>RIG</b>	<b>8170</b>	<b>8170</b>	<b>HPJSM, N/D BOP RISER SPL &amp; DSA.</b>
<b>02.0</b>	<b>1530 - 1730</b>	<b>0</b>	<b>16</b>	<b>N</b>	<b>BOP</b>	<b>OTH</b>	<b>BOP</b>	<b>RIG</b>	<b>8170</b>	<b>8170</b>	<b>FINAL CUT AND DRESS 13-3/8" CSG STUB.</b>
<b>04.0</b>	<b>1730 - 2130</b>	<b>0</b>	<b>16</b>	<b>N</b>	<b>WH</b>	<b>NU</b>	<b>WH</b>	<b>CAM</b>	<b>8170</b>	<b>8170</b>	<b>N/U 18-3/4" 5M X 13-5/8" 10M CIW WITH 2 X 3 1/16" 10M VALVES, PRESSURE TESTED HANGER VOID TO 3120 PSI, BETWEEN SEALS TO 3210 PSI. &gt;18-3/4" 5K X 13-5/8" 10K CASING SPOOL, SN# 121913974004, PN# 2201888-0400394 &gt;3-1/16" 10K FLS VALVE RIGHT: SN# 121901131019, PN# 141553-41-77-23 &gt;3-1/16" 10K FLS VALVE LEFT : SN# 121901131025, PN# 141553-41-77-23</b>
<b>07.5</b>	<b>2130 - 0500</b>	<b>0</b>	<b>16</b>	<b>N</b>	<b>BOP</b>	<b>NU</b>	<b>BOP</b>	<b>RIG</b>	<b>8170</b>	<b>8170</b>	<b>HPJSM, REVIEWED ALL JSA'S, RAISED WORK PERMITS, N/U 13 5/8" 10M CLASS 'A' BOP STACK DISCUSSED JSA, LINE OF FIRE AND HAND INJURY PREVENTION. &gt;N/U SPACER SPOOL + 13 5/8" 10M CLASS 'A' BOP STACK. N/U CHOKE AND KILL LINES. &gt;N/U BELL NIPPLE AND FLOW LINE.* FUNCTION TEST BOP</b>

UTMN-2305 IS A K-1 VERTICAL WELL PLANNED TO BE DRILLED TO TD AT +/- 15,946' MD/TVD AND TARGETING TAWIL FORMATION IN A DUAL PAD LOCATION WITH UTMN-2356 IS YET TO BE DRILLED. THE WELL WAS DESIGNED AS K-1 DUE TO HIGH POTENTIAL OF SEVERE LOSSES IN LFDR AND LOW RISK OF JILH FLOW IN THE AREA. THE WELL WILL BE COMPLETED WITH 4 1/2" CEMENTED LINER. UTMN-2305 IS OUTSIDE OF THE SHALLOW GAS AREA. AN EMERGENCY RESPONSE PLAN (ERP) WILL BE ISSUED IN A SEPARATE DOCUMENT.

#### ===== HSE =====

OPERATIONS & SAFETY MEETING: REVIEW OF POSITIVE AND NEGATIVES OF PREVIOUS DAY'S OPERATIONS AND PLANNED OPERATIONS; TOPICS: FIRE PREVENTION AND SAFETY, ALERTS & LESSON LEARNED, ENHANCED SAUDI ARAMCO 8 LIFESAVING RULES. HAZARD RECOGNITION, SANAD PROCEDURE OF THE WEEK, DROPS AWARENESS, LINE OF FIRE AWARENESS, SANAD TEN RULES TO LIVE BY, INCIDENTS / NEAR-MISSES IN THE FLEET, OBSERVATION, INCIDENT AND NEAR MISS REPORTING, PPE COMPLIANCE, STOP WORK AUTHORITY.

HSE ALERT 20-23 - HAND INJURY WHILE USING IRON ROUGHNECK

HSE ALERT 21-23 - FALL FROM DIFFERENT LEVELS DURING RIG MOVE

HSE ALERT 22-23 - AUXILIARY CYLINDER FRAME DAMAGE WHILE LOWERING THE MAST

HSE ALERT 23-23 - WINDY WEATHER INCIDENT

#### SAWOD SAFETY BULLETIN 02-2023 "WELL LOCATION RISK ASSESSMENT"

> NEAR MISSES YTD: 5.

> DRILLS: 1 FIRE PUMP,

> RHSEI - 2ND - 2022: 28 ITEMS CLOSED / 0 OPEN ITEMS - 28 TOTAL ITEMS  
 > WELL CONTROL - 1ST - 2022: 06 CLOSED ITEMS / 00 OPEN ITEMS - 06 TOTAL ITEMS

=====ARAMCO PERSONNEL=====

> ABDUL MAJEED SHEIK #8544445 ARAMCO CLERK ON SITE 06/23/2022.  
 > HAMAD AL-MARRI ID# 816338 ARAMCO ME OFF LOC. 2/22/2023.  
 > ABDULMALIK ID#8583995 ARAMCO CLERK ON LOCATION 02/09/23.  
 > SULTAN ALOSAIMI ID#793383 ARAMCO FOREMAN ON LOC 2/15/2023

=====SERVICE PERSONNEL=====

> EMEC MUD ENGINEER ON LOCATION.  
 > NPS CREW ON LOCATION 02/13/2023.  
 > GEOSERVICE ON LOCATION 02/15/2023.  
 > PBL SAMAA ENG. & EQUIP LEFT LOCATION ON 02/24/2023.  
 > WEATHERFORD TRS CREW AND EQ. ON LOCATION 02/23/2023  
 > WEATHERFORD DV ENGINEER ON LOCATION 02/23/2023  
 > SCIENTIFIC FOR GYRO SERVICE LEFT LOCATION 02/24/2023  
 > VG WELL HEAD ENGINEER ON LOCATION 02/23/2023  
 > CAMERON WELL HEAD ENG. ON LOCATION ON 02/24/2023

=====ERP=====

=====SERVICE EQUIP=====

9 1/2" HYD-MECH JAR S/N# 381-95165 RECEIVED ON 02/16/22 13:00, LD ON 02/24/2023 AT 16:00

=====GDD COST OPTIMIZATION =====

> 100 BBLS VDA ACID ON LOCATION, 02/20/2023.

=====COMMUNICATION WITH NEAR BY FACILITY=====

> DAILY COMMUNICATION WITH DPS-45 & ADC-34

=====CASING AND LINER DETAILS=====

36" CSG AT 115'  
 30" CSG AT 900'.  
 24" CSG AT 3215'  
 18 5/8" CSG AT 4892'

=====NEXT LOCATION=====

=====OTHERS=====

- WATER WELLS: UTMN-939+ UTMN-807

===== WATER/VACUUM TANKERS=====

DRSS: 1003835014

TRUCK 1 1158-TRA

TRUCK 2 1741-KRA

DRSS: 1003841976

TRUCK 1 BRA-3654

TRUCK 2 1193-TRA

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS			
MUD DATA	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	400		CL PPM				
	100 PCF	63 SEC	0 HTHP	API	34	27	Volts	6 / 8	7 / 15	10		14000						
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	UTMN-939, UTMN-807						
	0	0	1	79	0	21	0	4.17	5	LS-ND		UTMN-939, UTMN-807		CL PPM				
MUD TREATMENT	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	400		14000				
	100 PCF	60 SEC	0 HTHP	API	34	27	Volts	6 / 8	7 / 15	10		400						
BIT DATA	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	UTMN-939, UTMN-807						
	0	0	1	79	0	21	0	4.17	5	LS-ND		UTMN-939, UTMN-807		CL PPM				
DRILL STRING	Order		Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #			
	BOP Test		BOP Drills		Wind		Sea		Weather		DSLTA		Safety Meeting					
Miscellaneous	02/26/2023		NORMAL		N/A		SEASONAL		DAILY									
	Real-Time Data Quality			Sensors Quality			100%		Data Frequency		100%		Real-Time Hrs		11.49/24 hrs			
Personnel and Services Information	COMPANY		GOS	WDV	RIG	EMC	MJH	SPS	SGR	RIG	ARM	NCS	ARM	CAM	GEP	SEC	SAM	
	CATEGORY		CTRG	DV	RIG	DFMS	SEC	LWD	MLS	OTHR	OTHR	PCS	WSC	WHES	WHES	BITS	WBCS	
	NO. OF PERSONS		14	1	48	1	6	2	5	5	2	3	4	1	1	1	1	
	OPERATING HRS.		0	4	24	24	0	0	24	12	12	4	24	5	1	0	0	
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24	10	11	12	
	Total		95															
Trucks/Boats	Standby/Tankers		SANAD AMBULANCE		SANAD CREW BUS													
BULK	AB-5176		Pot Wtr.- BBLS		Fuel- BBLS		Barite- SX		Bentonite - SX		Cement G- SX							
	1000		313		380		298		1700									

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Date	MONDAY 02/27/2023	Well No (Type) :	ADHN-461600 (AN APPRAISAL WELL CONSISTING OF A VERTICAL HOLE FOLLOWED BY SIDETRACK HORIZONTAL IN SARAH FORMATION.)	Rig	MAMIYEV, ELCHIN ARIF/ KASHKAL, MOSTAFA ABDELHAMIED/ ALRASHIDI, KHALID FAHAD/ ALI, SATTAR/ ZHANG, HUA/ ALBAKHURJI, ABDULLAH BASSAM/ KHAYYAL, FAISAL IBRAHIM/ BATYOUR, ABDULAZIZ MOHAMMED
Engineer		Superintendent		RIG FORMAN VSAT 8821677712074 577-6134	OTHER VSAT 875-6048 875-6078
					CONTRACTOR/CLERK VSAT 577-6133

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
12960	INTAITE SIDE TRACK TO 12960', CONFIRM SIDE TRACK WITH FORMATION, POOH & L/D SLB MOTOR BHA. MU NEW MOTOR & BIT. RIH M.MOTOR BHA.	RIH WITH SLB MOTOR, DRILL SIDE TRACK FOR GOOD SEPARATION, DRILL 8-3/8" VERTICAL HOLE TILL K.O.P AT +/- 14,237 FT.	FROM UDH HARAD WAY- 54 KM TURN RIGHT, DRIVE AND FOLLOW SIGN BOARD, SKID ROAD 52 KM.	77.8 (12/11/2022@0900)	BJDM 10965 189' SHALLOWER SUDR 12295 169' SHALLOWER SDDM 12610 183' SHALLOWER KHFF 13020 151' SHALLOWER KFAR 13072 163' SHALLOWER KFBR 13214 167' SHALLOWER KFCR 13765 129' SHALLOWER KFDA 14025 161' SHALLOWER BKDC 14580 135' SHALLOWER UNYZ 14655 138' SHALLOWER QUSB 15156 274' DEEPER QBHS 15182 109' DEEPER SARH 15264 83' DEEPER

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
					9 5/8	10980	10980	5	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
03.0	0500 - 0800	0	8 3/8	N	DRLG	SDR1	NA	RIG	16041	16041	12950	12955	SLIDE DRILL W/SLB MOTOR ASSY FOR KICK OFF WITH 113 PCF OBM, 100% CIRC. DRILLING PARAMETERS: WOB 10-15 K/LB, RPM: 0, M.RPM 115, GPM-400, SPP: 2575 PSI. **90% FORMATION AT 12,953' **100% FORMATION AT 12,955'(SUDAIR DOLOM).			
00.2	0800 - 0815	0	8 3/8	N	DRLG	SDR1	NA	RIG	16041	16041			CONDUCT PIT DRILL GOOD RESPONSE FROM CREW.			
00.0	0815 - 0815	1	8 3/8	S	OT	TINL	NA	RIG	12955	12955			TIE-IN NEW LATERAL-1.			
01.0	0815 - 0915	1	8 3/8	N	DRLG	DMS	MMOT	SDM	12955	12960			SLB. SLIDE DRILLING WITH 8-3/8" SLB MOTOR ASSY.			
01.0	0915 - 1015	1	8 3/8	N	DRLG	CIRC	MPMP	RIG	12960	12960			SLB TAKE CHECK SHOT SURVEY- CONFIRM KICK OFF, WORK ON KICK OFF WINDOW WITH AND WITHOUT PUMP, NO ISSUES CONFIRMED.			
00.8	1015 - 1100	1	8 3/8	N	DRLG	TI	STDP	RIG	12960	12960	12955	12515	POOH WET CONTROLLED SPEED 5 STD WITH 8-3/8 SLB MOTOR BHA.			
00.5	1100 - 1130	1	8 3/8	N	DRLG	WCNT	NA	RIG	12960	12960			FLOW CHECK-WELL STATIC.			
02.0	1130 - 1330	1	8 3/8	N	DRLG	TO	STDP	RIG	12960	12960	12515	10980	POOH WET CONTROLLED SPEED WITH 8-3/8 SLB. MOTOR BHA. TO 9-5/8" CASING SHOE.			
00.8	1330 - 1415	1	8 3/8	N	DRLG	WCNT	NA	RIG	12960	12960			FLOW CHECK AT SHOE-WELL STATIC, PUMP SLUG.			
01.2	1415 - 1530	1	8 3/8	N	DRLG	TO	STDP	RIG	12960	12960	10980	8464	POOH WITH 8-3/8 SLB. MOTOR BHA. ON 5-1/2" D.P.			
00.8	1530 - 1615	1	8 3/8	N	DRLG	RR	TDS	RIG	12960	12960			RIG CHECK TDS ALIGNMENT.			
04.5	1615 - 2045	1	8 3/8	N	DRLG	TO	STDP	RIG	12960	12960	8464	1474	POOH WITH 8-3/8 SLB MOTOR BHA ON 5-1/2" DP TO BHA.			
00.2	2045 - 2100	1	8 3/8	N	DRLG	SDR1	NA	RIG	12960	12960			CONDUCT TRIP DRILL. GOOD RESPONSE FROM CREW.			
00.2	2100 - 2115	1	8 3/8	N	DRLG	WCNT	NA	RIG	12960	12960			FLOW CHECK AT BHA-WELL STATIC.			
02.8	2115 - 0000	1	8 3/8	N	DRLG	HT	BHA	SDM	12960	12960			POOH WITH 8-3/8" SLB MOTOR BHA, L/D NAPESCO HM JAR S.N: HJM-650-065 AND SIDE TRACK BIT S.N: S270249R. GRADE BIT:1-1-CT-S-X-IN-NO-BHA.			
00.5	0000 - 0030	1	8 3/8	N	DRLG	RR	TDS	RIG	12960	12960			CLEAN RIG FLOOR AND PREPARE FOR SLB MOTOR RUN.			
03.2	0030 - 0345	1	8 3/8	N	DRLG	HT	BHA	SDM	12960	12960			P/U & M/U SLB M.MOTOR (1.5 AKO) BHA. WITH RR HUGHES BIT S.N: 7916583 AND NAPESCO HM JAR: HJM-650-065.			
00.5	0345 - 0415	1	8 3/8	N	DRLG	CIRC	MPMP	RIG	12960	12960			SLB PERFORM SHALLOW TEST W/300GPM/1000 PSI-GOOD SIGNAL.			
00.8	0415 - 0500	1	8 3/8	N	DRLG	TI	BHA	SDM	12960	12960	1627	3260	RIH WITH 8-3/8 SLB MOTOR BHA. ON 5-1/2" DP, FILL UP EVERY 20 STD, CHECK SIGNAL EVERY 40 STD....@ REPORT TIME.			

=====WELL OBJECTIVE=====

- ADHN-461600 IS AN APPRAISAL WELL CONSISTING OF A VERTICAL HOLE TO BE FOLLOWED BY A SIDETRACK HORIZONTAL WELL IN THE SARAH FORMATION TO ASSESS THE EXTENT AND DELIVERABILITY OF THE ORDOVICIAN TIGHT SANDS IN THE SOUTHERN PART OF THE ADDAHNA AREA.

=====JOURNEY MANAGEMENT=====

- CALL SND-2007 MEDIC AT 013-804-9651 OR ARAMCO OFFICE AT 013-577-6134/013-577-6133 PRIOR TO TURNING OFF MAIN BLACKTOP ROAD (HARADH ROAD).

PROVIDE MEDIC/CLERK - NAME OF COMPANY, NUMBER OF PERSONNEL, COLOR OF VEHICLE AND EMERGENCY CONTACT NUMBER OF BASE PERSONNEL.

**NIGHT DRIVING BY 3RD PARTY PERSONNEL IS NOT RECOMMENDED.**

**=====LOCATION DIRECTIONS=====**

- RIG LOCATION AT 243 KM FROM DHARAH MAIN GATE.
- USE JOURNEY MANAGEMENT PRIOR TO ENTERING THE SKID ROAD AS THERE WILL BE NO PHONE SERVICE OR WI-FI IN THE REMOTE AREA. - CALL THE RIG
- BEFORE THE TURN OFF ON 013-577-6133, APPROXIMATELY 01 HOUR DRIVE TO THE RIG.
- FROM UDH TOWARD HARAD WAY - 26 KM BEFORE HARAD GAS STATION TURN RIGHT DRIVE AND FOLLOW SIGN BOARDS.

**=====FUEL CONSUMPTION=====**

- DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP): DAILY 52 BBLS, TOTAL: 3702 BBLS FOR ADHN-461600 SINCE SPUD.

**=====SAUDI ARAMCO PERSONNEL=====**

- ARAMCO RIG CLERK MOHAMED AZARUDEEN BADGE # 8263356 ON LOCATION-02/10/22.
- ARAMCO FCT SALEH SAHALI ID #772560 ON LOCATION SINCE 02/21/23.

**=====RIG PERSONNEL=====**

- SANAD PERSONNEL SHORTAGES: NONE.

**=====DAILY SAFETY REPORT=====**

- 2ND RHSEI / 18 AUG 2022: TOTAL FINDINGS: 79, CLOSED: 79, REMAINING OPEN ITEMS: 0.
- IHA /11-FEB-2023: TOTAL FINDING: 80, CLOSED: 62, OPEN:18.
- TOTAL SOC:25, SAFE ACT-8, UNSAFE ACT-6, SAFE CONDITION-7, UNSAFE CONDITION-4.
- JSA -REVISED-0, REVIEWED-14, PTW-12, LOTO-1.
- DRILLS: 1-PIT, 1-TRIP

**=====RENTAL TOOLS=====**

- NAPESCO 6-1/2" HM JAR S.N: HMJ-650-065 ON LOCATION ON 02/19/23 @ 07:00 HRS., OUT ON 02/26/23 @ 20:00. RIH ON 02/27/23 @01:00.
- NAPESCO 6-1/2" HM JAR S.N: HMJ-650-0014 ON LOCATION ON 02/22/23 @ 20:30 HRS, RIH ON 02/23/23 @13:00, OUT ON 02/24/23 @ 21:00.

**=====SURFACE COORDINATES=====**

- 2722909.89 N, 259310 E

**=====WELL SITE EQUIPMENT'S=====**

- 1 X AL-AJINAH SPRAY TANKER ON LOCATION SINCE 11/07/22, DOOR # 2008-31, PLATE # 3952-BRA.
- 2 X AL-AJINAH VACUUM TANKER ON LOCATION SINCE 01/19/23, PLATE #1145-TRA, PLATE #1794-RRA.
- 2 X AL-AJINAH VACUUM TANKER ON LOCATION SINCE 01/23/23, PLATE #1191-TRA, PLATE #1169-TRA,
- 2 X AL-AJINAH VACUUM TANKER ON LOCATION SINCE 02/25/23, PLATE #3448-NBA, PLATE #4368-BRA,

**=====FORMATION LITHOLOGY=====**

MAX GAS 12 US UNITS.

MIN GAS 7 US UNITS

Avg: 10 US UNITS.

**=====CSG DESIGN=====**

\*\* ESTIMATED NEXT CASING: 7" LINER CASING AT +/- 16,047 FT.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS			
MUD DATA	Weight 113 PCF	Funnel Vis. <b>70 SEC</b>	Filtrate(WL) <b>2.4 HTHP</b>	Filtrate (WL) API	PV <b>37</b>	YP <b>18</b>	Electrical Stability <b>695 Volts</b>	3/6 RPM <b>9 / 10</b>	Gels Sec/Min <b>11 / 15</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>241135</b>						
	FL Temp <b>120</b>	Cake HTHP <b>2</b>	Cake API <b>0</b>	Water Vol. % <b>15</b>	Oil Vol. % <b>54</b>	Solids Vol. % <b>31</b>	Sand Vol. %	% LGS	MBT	Mud type <b>OBM</b>	Water Well # <b>ADHN-803</b>							
	Weight 113 PCF	Funnel Vis. <b>66 SEC</b>	Filtrate(WL) <b>2.4 HTHP</b>	Filtrate (WL) API	PV <b>36</b>	YP <b>18</b>	Electrical Stability <b>710 Volts</b>	3/6 RPM <b>9 / 10</b>	Gels Sec/Min <b>11 / 15</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>235799</b>						
	FL Temp <b>120</b>	Cake HTHP <b>2</b>	Cake API <b>0</b>	Water Vol. % <b>15</b>	Oil Vol. % <b>54</b>	Solids Vol. % <b>31</b>	Sand Vol. % <b>0</b>	% LGS <b>5.73</b>	MBT <b>0</b>	Mud type <b>OBM</b>	Water Well # <b>ADHN-803</b>							
MUD TREATMENT	BARITE 12(5000L)	STELSEALFN 5(55LB)	STELSL50 5(55LB)	NF-5 5(55LB)	NF25 5(55LB)	CARBOTROL 10(55LB)	CAOH2 15(55LB)	VG6 25(55LB)										
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out							
	<b>11RR</b>	<b>M333</b>	<b>8.375</b>	<b>HTC</b>	<b>7916583</b>	<b>DD407X / 7 X 14 /</b>	<b>1.052</b>	<b>12960</b>	<b>12960</b>									
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP		
DRILL STRING	Float	<b>Y</b>																
	BHA Hrs:																	
	String Wt.	Pick Up	Slack Off		Rot. Torque			Jars: Serial #/Hrs			/	Shock	/	Mud	/			
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
	<b>1</b>	<b>Bit</b>			<b>HTC</b>	<b>8.375</b>	<b>1</b>	<b>8.375</b>		<b>0.95</b>	<b>4-1/2" R</b>					<b>7916583</b>		
	<b>2</b>	<b>Mud Motor</b>			<b>SDM</b>	<b>6.77</b>	<b>1</b>	<b>6.77</b>	<b>5.5</b>	<b>24.85</b>	<b>4-1/2" IF</b>	<b>4-1/2" R</b>				<b>6735</b>		
	<b>3</b>	<b>Float Sub</b>			<b>SDM</b>	<b>6.77</b>	<b>1</b>	<b>6.77</b>	<b>2.813</b>	<b>3.08</b>	<b>4-1/2" IF</b>	<b>4-1/2" IF</b>				<b>FB67S0527</b>		
	<b>4</b>	<b>Crossover</b>			<b>SDM</b>	<b>6.87</b>	<b>1</b>	<b>6.87</b>	<b>3.875</b>	<b>1.19</b>	<b>5-1/2" FH</b>	<b>4-1/2" IF</b>				<b>7541141311</b>		
	<b>5</b>	<b>Saver Sub</b>			<b>SDM</b>	<b>7</b>	<b>1</b>	<b>7</b>	<b>3.875</b>	<b>1.29</b>	<b>5-1/2" FH</b>	<b>5-1/2" FH</b>				<b>OF5804</b>		
	<b>6</b>	<b>Measurement While Drilling (MWD)</b>			<b>SDM</b>	<b>6.87</b>	<b>1</b>	<b>6.87</b>	<b>5.109</b>	<b>25.02</b>	<b>5-1/2" FH</b>	<b>5-1/2" FH</b>				<b>N003877</b>		
	<b>7</b>	<b>Saver Sub</b>			<b>SDM</b>	<b>7</b>	<b>1</b>	<b>7</b>	<b>3.875</b>	<b>1.67</b>	<b>5-1/2" FH</b>	<b>5-1/2" FH</b>				<b>439812</b>		
	<b>8</b>	<b>Crossover</b>			<b>SDM</b>	<b>6.88</b>	<b>1</b>	<b>6.88</b>	<b>3.875</b>	<b>1.26</b>	<b>4-1/2" IF</b>	<b>5-1/2" FH</b>				<b>ITSSA13059</b>		
	<b>9</b>	<b>Pony Collar</b>			<b>SDM</b>	<b>6.73</b>	<b>1</b>	<b>6.73</b>	<b>2.81</b>	<b>11.98</b>	<b>4-1/2" IF</b>	<b>4-1/2" IF</b>				<b>1212862</b>		
	<b>10</b>	<b>Float Sub</b>			<b>SDM</b>	<b>6.93</b>	<b>1</b>	<b>6.93</b>	<b>2.81</b>	<b>2.33</b>	<b>4-1/2" IF</b>	<b>4-1/2" IF</b>				<b>2107442</b>		
	<b>11</b>	<b>Filter Sub</b>			<b>SDM</b>	<b>6.74</b>	<b>1</b>	<b>6.74</b>	<b>2.75</b>	<b>6.86</b>	<b>4-1/2" IF</b>	<b>4-1/2" IF</b>				<b>6751039</b>		
	<b>12</b>	<b>Crossover</b>			<b>RIG</b>	<b>6.675</b>	<b>1</b>	<b>6.675</b>	<b>2.875</b>	<b>2.86</b>	<b>XT-54</b>	<b>4-1/2" IF</b>				<b>09051519</b>		
	<b>13</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>5.5</b>	<b>36</b>	<b>5.5</b>	<b>3.25</b>	<b>1089.88</b>	<b>XT-54</b>	<b>XT-54</b>				<b>RIG</b>		
	<b>14</b>	<b>Hydro-Mechanical Jar</b>			<b>NPC</b>	<b>6.5</b>	<b>1</b>	<b>6.5</b>	<b>2.75</b>	<b>30.98</b>	<b>XT-54</b>	<b>XT-54</b>				<b>HJM650065</b>		
	<b>15</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>5.5</b>	<b>9</b>	<b>5.5</b>	<b>3.25</b>	<b>271.54</b>	<b>XT-54</b>	<b>XT-54</b>				<b>RIG</b>		

	16	Drillpipe			RIG	5.5	1	5.5	4.67		XT-54	XT-54				RIG
Miscellaneous	BOP Test <b>02/23/2023</b>	BOP Drills		Wind <b>MILD</b>	Sea <b>N/A</b>	Weather <b>SEASONAL</b>		DSLTA	Safety Meeting <b>2X DAILY SAFETY MEETING</b>							
	Real-Time Data Quality			Sensors Quality			80%	Data Frequency		100%	Real-Time Hrs		10.98/24 hrs			
Personnel and Services Information	COMPANY	GOS	SDM	RIG	EMC	NPC	XLG	RIG	ARM	OTH	ARM					Total <b>84</b>
	CATEGORY	CTR G	DPDS	RIG	DFMS	JST	MLS	OTHR	OTHR	VAC	WSC					
	NO. OF PERSONS	15	4	43	2	0	4	9	2	1	4					
	OPERATING HRS.	0	24	24	24	24	24	24	24	12	24					
	ON LOCATION HRS.	24	24	24	24	0	24	24	24	24	24					
Trucks/Boats	Standby/Tankers <b>DH-2398</b>															
BULK	Drill Wtr-BBLS <b>1000</b>	Pot Wtr-BBLS <b>500</b>	Fuel-BBLS <b>545</b>	Barite-SX <b>192</b>	Bentonite-SX <b>94</b>	Cement G-SX <b>800</b>										
REPAIR ASAP	Instrumentation	Other		Computer, Communication & V-Sat Issues											Reporter	

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HRDH-672 (TO REPLACE CORRODED PRODUCTION TUBING WITH BAKER 7" S-3 PRODUCTION PACKER ON 4 1/2" CARBON STEEL TBG)</b>	Rig <b>SND- 2008</b>	Foreman(s) <b>ADEBISI, KAYODE ADEKUNLE/ MAHMOUD, AHMED MAHMOUD/ TAMIMI, ABDULMOHSIN FOUZAN/ HUSSAIN, MOHAMMED ABDULKARIM/ OTAIBI, MUKHLED FARAH</b>
Engineer	<b>THURAYA +8821677712318</b>	RIG FORMAN VSAT <b>013-5779637</b>	CONTRACTOR/CLERK VSAT <b>013-5779699</b>
Superintendent			

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>12900</b>	<b>CONT RIG MOVE &amp; RIG UP ON HRDH-672.</b>	<b>CONT. RIG UP ON HRDH-672.</b>	<b>273 KM FROM DHAHRAN MAIN GATE</b>	<b>0.0 (@)</b>	
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %
<b>12900</b>	<b>7</b>	<b>11369</b>	<b>12738</b>	<b>12688</b>	<b>9 5/8 11874 11854 0</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
<b>24.0</b>	<b>0500 - 0500</b>	<b>0</b>		<b>N</b>	<b>RM</b>	<b>RM</b>	<b>NA</b>	<b>RIG</b>	<b>13097</b>	<b>13097</b>			<b>CONT. RU HRDH-672.</b>
													<ul style="list-style-type: none"> <li>- RU MONKEY BOARD, SPOOLED DRILLING LINE &amp; RELEASED BLOCK CRADLE.</li> <li>- RAISED MAST &amp; SUBSTRUCTURE.</li> <li>- RU STAIRS, MAN RIDING &amp; AIR TUGGERS</li> <li>- RU STAND PIPE, SPOTTED GROUND MANIFOLD &amp; JUMPER HOSE.</li> <li>- SPOTTED KOOMY UNIT &amp; WTR TANKS.</li> <li>- MOVED MINI CAMP &amp; CMT TANKS.</li> </ul> <p>R/D 100%, R/M 90%, R/U 60%</p> <p>** RIG MOVE DISTANCE 28.4 KM          ** DAYS SINCE RIG RELEASED: 5.1 DAYS.          ** PRE-MOVE LOADS: 45, SANAD: 39 ARAMCO=6.          &gt;&gt; TODAY LOADS: SANAD = 62; ARAMCO = 5          &gt;&gt; TOTAL= 209 LOADS, TOTAL LOADS SANAD: 198 &amp; ARAMCO: 11</p> <p>HOLD DAILY MEETING WITH ALL RIG MOVE PERSONNEL, DISCUSS MOVING PLAN FOR THE DAY &amp; ALL SAFETY ISSUES RELATED TO RIG MOVE.</p>

**TO REPLACE CORRODED PRODUCTION TUBING WITH BAKER 7" S-3 PRODUCTION PACKER ON 4 1/2" CARBON STEEL TUBING.**

**>> ODF CORRECTION:**

**=SAFETY=**

**>> DRILLS: 0**

**>> SOC TODAY: 20.**

**>> DISCUSSED STOP WORK AUTHORITY & SAFETY ALERTS IN DAILY SAFETY MEETINGS.**

**>> 1ST WC AUDIT CONDUCTED 03/19/2022. TOTAL FINDINGS 09, CLOSED 09, OPEN 0.**

**>> 2ND RHSEI AUDIT CONDUCTED 10/25/2022. TOTAL FINDINGS 28, CLOSED 28, OPEN 0.**

**>> 1ST CEHA AUDIT CONDUCTED 1/28/2023. TOTAL FINDINGS 48, CLOSED 38, OPEN 10.**

**=ARAMCO PERSONNEL ON LOCATION=**

**>> MATERIAL EXPEDITOR FAISAL M AL-OTAIBI #8509119 ON LOCATION.**

**>> ARAMCO FCT MOHAMMED ALSULTAN # 291138 ON LOCATION.**

**>> MATERIAL EXPEDITOR AHMED AL-OTAIBI #8509381 ON LOCATION.**

**>> SANAD HSE SUPT, LIJO ALEXANDER, VISITED LOCATION FOR RIG MOVE.**

**= THIRD PARTY PERSONNEL & EQUIPMENT=**

**>> EGYPTIAN MUD COMPANY MUD ENGR ON LOCATION 02/24/2022.**

**=MISC=**

**>> TODAY CREW SHORTAGE: 00 ROUSTABOUT & 00 FLOOR HANDS**

**=VACUUM TANKERS=**

**>> BAL/BALHARITH VACCUM TANKERS: DRSS #1003831021 (3 EA) & #1003847128 (4 EA)**

**=DIRECTIONAL PLAN=**

**>>**

**=NEXT WELL=**

**>> HRDH-1031: PRE-SET KHFC, PRE-WORKOVER MTG HELD ON 12/26/2022.**

**>> HRDH-1067: PRE-WORKOVER MTG HELD ON 12/26/2022.**

>> HRDH-1328: PRE-WORKOVER MTG HELD ON 1/30/2023.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
MUD DATA									
MUD TREATMENT									
BIT DATA									
DRILL STRING									
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #									
Miscellaneous	BOP Test	BOP Drills	Wind	LIGHT	Sea	Weather	NORMAL	DSLTA	Safety Meeting TWICE
	Real-Time Data Quality					No Transmission			
Personnel and Services Information	COMPANY	GOS	RIG	EMC	MJH	RIG	ARM	ARM	Total <b>156</b>
	CATEGORY	CTR G	RIG	DFMS	SEC	OTHR	OTHR	WSC	
	NO. OF PERSONS	15	45	1	8	81	3	3	
	OPERATING HRS.	0	24	12	12	12	12	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers <b>AB-6310</b>								
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>400</b>	Barite- SX	Bentonite - SX	Cement G- SX			
REPAIR ASAP	Instrumentation	Other	Computer, Communication & V-Sat Issues						

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Reporter

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>SAHB-30 (GAS PRODUCER IN SAHB)</b>	Rig <b>SND- 2009</b>	Foreman(s) <b>ABU ELEWA, REDA MOHAMED/ KIR, SERKAN/ HASHMI, AHMAD ATEF/ MOUSA, NEDAL ADEL</b>
Charge (66- 20008-#: <b>0030</b> )	Wellbores: (0) SAHB_30_0	Engineer Superintendent <b>THURAYA</b>	RIG FORMAN VSAT <b>00 88 216 7771 2296</b>
		OTHER VSAT <b>577 9645</b>	CONTRACTOR/CLERK VSAT <b>577 9640 577 9662</b>

Depth <b>0</b>	Last 24 hr operations <b>RIG MAINTENANCE AND RIG UP ON SAHB-30</b>	Next 24 hr plan <b>RIG UP ON SAHB- 30</b>	Location <b>SAHB-30</b>	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops
Prev. Depth <b>0</b>	Liner Size	TOL	MD TVD	Last Csg Size MDT TVD	Footage <b>0</b> Circ %

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations						
									Start	End	Start	End							
24.0	0500 - 0500	0		N	MAIN	OTH	NA	RIG	0	0			HELD RIG MOVE SAFETY MEETING WITH ALL PARTIES AND DISCUSS WORK PERMIT SYSTEM, JSA, CRITICAL LIFT PLAN, LIFTING GEAR AND COLOR CODE, USE OF PPE ALL TIME, RIGGER ONE ROLES AND RESPONSIBILITIES, CRANE OPERATORS FOCUS ON LIFTING WORKS AND CONDUCT DAILY CHECKLIST, TRUCK DRIVER TO MOVE LOADS SAFELY AND NO SHORT CUT WHILE MOVING.						
													CONT. RIG UP ON SAHB-30 (R/D 100%, R/M 100% AND R/U 60%).						
													PLANNED RIG MAINTENANCE (1.5 DAYS / 2 DAYS)						
													> PERFORM MPI INSPECTION ON DERRICK, CROWN BLOCK, TRAVELLING BLOCK AND DRAWWORK... > CAT III ON TOP DRIVE AND DRAWWORKS. > FALL PROTECTION PAD EYES LOAD TEST. > FALL PROTECTION REPLACEMENT - 175' SALA UNDER CROWN DRILLER SIDE. > SUB BASE ACCESSORIES PAD EYES LOAD TEST AND MPI > MUD SYSTEM MAINTENANCE. CHANGED VALVES AND REPAIR... ONGOING > TUBULAR INSPECTION... ONGOING						
													CONTINUE RIGGIG UP OPERATIONS.						
													> CONNECT BRIDLE LINES TO BLOCK. > SPOOL DRILLING LINE ON DRAWWORKS DRUM. > INSTALL WRAPS ON DEADLINE ANCHOR AND SECURE DEADLINE ANCHOR CLAMP AND SAFETY CLAMP. > PERFORM PRE-RAISE MAST INSPECTION, RAISE MAST @ 16:00. > SWAP BRIDLES LINES, RAISE SUBBASE @19:00. > INSTALL RIG FLOOR STAIRS. > INSTALL FLOOR PLATES, R/U TUGGERS AND MANRIDERS. > SECURE MAST RAISING BRIDLE LINES IN MAST, SECURE SUB BRIDLE LINES IN SUB. > RUSS RIG UP CASCADE SYSTEM ... ONGOING.						

SAHB-30 WILL BE DRILLED AS AN S-SHAPED GAS PRODUCER TO A TOTAL DEPTH OF 150FT INTO TWLF TO EVALUATE THE UNZA RESERVOIR DEVELOPMENT AND POSSIBLY JAUF RESERVOIRS. BASED ON THE OH LOGS AND MDT RESULTS THE WELL WILL BE COMPLETED WITH 4-1/2" 15K HIGH STRENGTH CEMENTED LINER.

===== ERP =====

- > STAGING AREA #1: N.2,672,803.75 E.273,499.65 - (1.1 KM FROM WELL CENTER / ENE).
- > STAGING AREA #2: N.2,671,625.89 E.275,540.39 - (1.5 KM FROM WELL CENTER / ESE).

===== ARAMCO POB & VISITORS =====

- > ARAMCO MATERIAL CONTROLMAN: HUSSAIN MESHAL ID# 765537 ON LOCATION ON 02/21/2023.
- > ARAMCO PDP: AHMED BAYOUNES #817829 ON LOCATION SINCE 02/17/2023
- > ARAMCO MATERIAL CONTROLMAN: ABDULAZIZ AL-DOSSARY ID# 818629 ON LOCATION ON 02/22/2023.

===== SAFETY, DRILLS, INCD. & ALERTS =====

- > DRILLS: NONE
- > OBSERVATIONS: 20, PTW: 10 JSA: 16, SWA: 10, HAZARD HUNT: 0.
- > NEAR MISS: 0

> SANAD 10 RULES TO LIVE: OBTAIN AUTHORIZATION BEFORE ENTERING A CONFINED SPACE.

> ARAMCO LIFE SAVING RULES: ISOLATION - LO/TO .

> HSE ALERT 21-23 - FALL FROM DIFFERENT LEVELS DURING RIG MOVE.

===== AUDITS =====

> 1ST 3MCI - 2023: TOTAL ITEMS: 36, OPEN 12, CLOSED: 24.

> 2ND RHSEI AUDIT 2022, TOTAL 51, OPEN 0, CLOSED 51.

===== PERSONNEL SHORTAGE & SAUDISATION =====

> SND CREW SHORTAGE: 0.

> SAUDIZATION: 72%.

===== WELLSITE CONTRACTOR EQUIPMENT ON LOCATION & RENTAL EQUIPMENT =====

> SPRAY TANKER: DOOR # / PLATE # 772 / 4051 ON LOCATION FROM 02/22/2023 UNDER DRSS# 1003855733

> VACUUM TANKER DOOR#/ PLATE # 342 / 6657 ON LOCATION FROM 02/22/2023 UNDER DRSS# 1003829517 (WORKING ON SAHB-36)

===== RIG MOVE =====

> RIG MOVE DISTANCE: 10 KM.

> RIG MOVE LOADS: 231.

\*\* ARAMCO (DAILY / TOTAL): 0/30.

\*\* SANAD (DAILY / TOTAL): 0/201

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS		
MUD DATA											
MUD TREATMENT											
BIT DATA											
DRILL STRING											
Miscellaneous											
BOP Test		BOP Drills		Wind NORTH-SOUTH		Sea	Weather SEASONAL		Safety Meeting <b>RIGGING UP OPERATIONS</b>		
							DSLTA <b>No Transmission</b>				
Personnel and Services Information	COMPANY		SWK	RIG	EMC	MJH	RIG	ARM	OTH		
	CATEGORY		CTRG	RIG	DFMS	SEC	OTHR	OTHR	VAC		
	NO. OF PERSONS		14	39	1	5	58	3	4		
	OPERATING HRS.		0	24	0	0	12	12	10		
	ON LOCATION HRS.		24	24	24	24	24	24	24		
Trucks/Boats	Standby/Tankers										
	<b>AB-5440</b>										
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>684</b>		Barite- SX	Bentonite - SX	Cement G- SX				
REPAIR ASAP	Instrumentation		Other								
	Computer, Communication & V-Sat Issues										

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Total  
**126**

Reporter

D&WO Morning Report (Service Providers View)  
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Daily Onshore  
(0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>SFNY-744 (WATER DUAL LATERAL DISPOSAL IN KHFJL.)</b> Charge #: <b>(66- 21017- 0744)</b> Wellbores: (0) SFNY_744_0	Rig <b>SND- 2010</b>	Foreman(s) <b>VAN HEREWEGHE, RONALD LOUIS/ NADJA, LAMNOUAR/ SOLAMI, MAHER HAMED/ ALATAWI, HUSSAIN ALI/ GARNI, ABDULLAH SALEH</b>
		Engineer Superintendent	<b>THURAYA +882-16-7771-2819</b>
		RIG FORMAN VSAT <b>378-6479</b>	CONTRACTOR/CLERK VSAT <b>378-6480</b>

Depth	Last 24 hr operations				Next 24 hr plan				Location				Days Since Spud/Comm (Date)	Formation tops		
Prev. Depth													25.1 (02/02/2023@0300)	WARA 5817	5631' TVD (53' SHALLOWER)	
6950	1ST STAGE CMT JOB. WOC. SET CSG SLIPS. 2ND STAGE CMT JOB. WELLHEAD WORK				N/U & P/T 13-5/8" 10K BOP STACK. M/U & RIH 8-1/2" C/O BHA				SAFANIYA, 233.59 KM FROM DAHRAN MAIN GATE				MDDD 6010	5783' TVD (58' SHALLOWER)		
6950	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %							
					<b>9 5/8</b>	<b>7500</b>	<b>6510</b>	<b>550</b>	<b>100</b>							
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth					Summary of Operations	
03.5	0500 - 0830	0	12 1/4	N	CSG	CMC	CSG	HCM	7500	7500					HALCO CMT 9-5/8" CSG 1ST STAGE - RIG PUMP 150 BBL OF 85 PCF ARAMCO SPACER - DROP BOTTOM BYPASS PLUG - HALCO MIX & PUMP 170 BBLS OF 101 PCF LEAD CMT SLURRY & 108 BBLS OF 118 PCF TAIL CMT SLURRY - DROP BY-PASS TOP PLUG - HALCO DISPLACE CMT W/ 5 BBL CMT, 10 BBL MIX FLUID - RIG PUMP 20 BBL 85 PCF ARAMCO SPACER -147 BBLS 82 PCF WBM, 15 BBLS ARAMCO 85 PCF SPACER - DROP WFD DV OPENING PLUG - 15 BBLS ARAMCO 85 PCF SPACER - 314 BBLS OF 82 PCF WBM (TOTAL DISPLACEMENT 526 BBLS - UNDER DISPLACE BY 20 BBLS) - BUMP OPENING PLUG W/ 200 PSI OVER FINAL CIRC PRESSURE. - WAIT 5 MIN. - BLEED OFF PRESS - FLOATS HELD OKAY - PRESSURE UP IN STAGES TO INFLATE DV TOOL TO 1000 PSI, OPEN DV PORTS AT 2300 PSI. - HAVE 100% RETURNS DURING CMT JOB	
01.5	0830 - 1000	0	12 1/4	N	CSG	CIRC	MPMP	RIG	7500	7500					CIRCULATE UP ANNULUR VOLUMES THROUGH DV PORTS, RECOVERED 150 BBLS OF SPACER AND 30 BBLS CMT AT SURFACE - 100% CIRCULATION	
01.8	1000 - 1145	0	12 1/4	N	CSG	WOC	CSG	HCM	7500	7500					W.O.C. TILL 500 PSI COMPRESSIVE STRENGTH AS PER UCA CHART. MEANWHILE PREPARE TO LIFT BOP. - AS PER WFD, CIRC THROUGH DV PORTS CONTINULLY @ 5.0 BBLS/MIN	
00.5	1145 - 1215	0	12 1/4	N	DRLG	PJSM	NA	RIG	7500	7500					HELD STAND DOWN MEETING WITH ALL PERSONEL & DISCUSSED BELOW POINTS - WHILE CEMENTING PROPER PPE - KNOWING WHERE EYE STATIONS ARE - WORKING W/ BOPE EQUIP - HAMMERING BOLTS - WORKING AT HEIGHTS - TRAINING NEW HIRES - INFORM THEM ON WHY & HOW TO PERFORM THE TASKS SAFELY - STOP WORK AUTHORITY - JOB REQUIREMENTS TO USE PPE & CORRECTIVE ACTIONS	
06.2	1215 - 1830	0	12 1/4	N	CSG	WOC	CSG	HCM	7500	7500					W.O.C. TILL 500 PSI COMPRESSIVE STRENGTH AS PER UCA CHART. MEANWHILE PREPARE TO LIFT BOP. - AS PER WFD, CIRC THROUGH DV PORTS CONTINULLY @ 5.0 BBLS/MIN	
02.0	1830 - 2030	0	12 1/4	N	WH	NU	WH	CAM	7500	7500					HPJSM - N/D & LIFT 13-5/8" 10K CLASS 'A' BOP STACK - SET 9-5/8" CAMERON CSG SLIPS W/ 200K, BREAK CIRCULATION AND CHECK SLIPS INTEGRITY - OK	
03.2	2030 - 2345	0	12 1/4	N	CSG	CMC	CSG	HCM	7500	7500					HPJSM - SECOND STAGE - HALCO FLUSH & P/T CMT LINES TO 500/3000 PSI - RIG PUMP 100 BBLS 85 PCF ARAMCO SPACER - HALCO MIX & PUMP 290 BBLS OF 101 PCF CMT SLURRY - DROP DV CLOSING PLUG - DISPLACE CMT W/ 5 BBLS CMT - 10 BBLS MIX FLUID - RIG PUMP 20 BBLS 85 PCF ARAMCO SPACER, 294 BBLS 82 PCF WBM	

SFNY-744 WILL BE DRILLED AS A DUAL LATERAL WATER DISPOSAL WELL TARGETING KHFJI AQUIFER. THE MOTHER BORE L-0 WILL BE DRILLED TO

10,565 FT MD / 7,053 FT TVD. THE LATERAL L-1 WILL BE DRILLED TO 11,135 FT MD / 7,079 FT TVD WITH A RESERVOIR CONTACT OF 6,000 FT. THE WELL WILL BE COMPLETED WITH 5.5" AND 4.5" ICD WITH HALIBURTON LEVEL- 4 JUNCTION, AND 7"X9-5/8" PRODUCTION PACKER TIED BACK TO SURFACE WITH 7" TUBING FOR UPPER COMPLETION.

## **=SAFETY =**

#### - NO SIMOPS PLANNED FOR THIS WELL

===== ARAMCO PERSONNEL, RENTAL TOOLS & OTHERS =====

- ARAMCO FOREMAN AHMED KHALIFA AL-SALIM # 230958 ON LOCATION SINCE 02/20/2023
  - MATERIAL EXPEDITOR ABDUL RAHMAN AL-SHMRANI ID#850610 SINCE 02/06/2023 ON LOCATION
  - ENGINES DIESEL CONSUMPTION (RIG+CAMP) FOR WELL SFNY-744 (DAILY: 93 BBL / TOTAL 1902 BBL)

## Remarks

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Daily Onshore  
(0500-0500) Saudi Aramco

Depth	Last 24 hr operations					Next 24 hr plan				Location			Days Since Spud/Comm (Date)			Formation tops	
6065	<b>CONT CHANGE TDS SAVER SUB &amp; WASH PIPE, RIH W/ 7" WIS WHIPSTOCK, GYRO RECORDED SURVEY, ORIENT WHIPSTOCK TF</b>					<b>SET WHIPSTOCK, DISPLACE TO POLYMER MUD, CUT WINDOW, CHC, POOH W/ MILLING ASSY.</b>				<b>154 KM FROM DMG. 4.1 KM W OF UTMN GOSP-7.</b>			<b>9.0 (02/17/2023@2300)</b>				
Prev. Depth	Liner Size				TOL	MD			TVD	Last Csg Size	MD	TVD	Footage		Circ %		
7064										7	7290	7290	-999		100		
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations		
Start	End	Start	End						Start	End	Start	End					
04.5	0500 - 0930	0		N	MAIN	RR	TDS	RIG	7400	7400			RR	909639	<b>CONT CHANGE TDS SAVER SUB &amp; WASH PIPE, FIX LEAK ON S-PIPE &amp; WASH PIPE.</b>		
05.5	0930 - 1500	0		N	TINL	HT	BHA	RIG	7400	7400					HPJSM, M/U & RIH W/ 7" WIS HYD WHIPSTOCK & MILLING BHA: 6-1/8" TRI MILL ASSY, HYD RUNNING TOOL, XO, 1 JT 4" HWDP, XO, MULTICYCLE BY-PASS VALVE, F/S W/FLOAT VALVE, 4 EA X 5.75" STRG MAGNETS, UBHO SUB, X/O. > GAUGE MILLING ASSY: LEAD, FOLLOW & DRESS MILLS-OK . > HOOK-UP MILLING ASSY TO WHIPSTOCK FACE W/ 35 KLB SHEAR BOLT. > DD ALIGNED UBHO TO WHIPE FACE-OK.		
09.0	1500 - 0000	0		N	TINL	HT	STRG	RIG	7400	7400					RIH W/ 7" WIS WHIPSTOCK & MILLING BHA ON 4" DP/ HWDP TO 6053' ( WHIPSTOCK SETTING DEPTH ) - CONTROLED RIH SPEED. - FILL STG EVERY 5 STDs W/83 PCF FRESH BRINE. - DRIFTED ALL TUBULAR ABOVE UBHO.		
02.5	0000 - 0230	0		N	TINL	SURV	SS	GCD	7400	7400					HPJSM, RU GYRO UNIT AND SHEAVES, RIH AND ENGAGE IN UBHO. - RECORDED SURVEY EVERY 100' WHILE RIH.		
02.5	0230 - 0500	0		N	TINL	SURV	SS	GCD	7400	7400					ORIENT WHIPSTOCK TF TO 33 DEG, CONFIRM GYRO READING WITH 3 SHOTS. OK. POH & R/D GYRO UNIT.		

## **Lost Time Details**

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
27 Feb 0500 - 0930	4.5	4.5	909639		RR	FOT	TDS	RIG	0	EXCESS TIME ON CHANGING WASH PIPE & SAVER SUB, FIX LEAK ON S-PIPE & WASH PIPE.

**ODFC: - 0.4 FT.**

-SAFETY-

**> HELD DAILY SAFETY/OPERATIONAL MEETINGS WITH ALL INVOLVED PERSONNEL**

**PERSONNEL ON BOARD**

>> ARAMCO ECT SAAD ALBEDAIWI #796949 ON LOCATION SINCE 2/19/2023

>>ARAMCO MATERIAL EXPEDITOR ABDALLAH ALQAHTANI #818644 SINCE 2/20/2023.

MUD ADVISOR # 8021915 VISITED THE  
WELL, ON LOCATION SUPPORT

**6 DAW WATER TANKERS ON LOCATION**

#### FUEL CONSUMPTION

DIESEL CONSUMPTION FOR ENGINES (P/C : CAMP) - DAILY: 23 PPLS. CUMULATIVE CONSUMPTION FOR CURRENT WELL: 272 PPLS.

**—NEXT LOCATION—**

-- UTMN-1362: KOM PLANNED ON 02/09/2023 STRIP OUT 50% & LOCATION 0%

Remarks

DRILL STRING	Order Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
Miscellaneous	BOP Test <b>01/28/2023</b>	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting						
	Real-Time Data Quality			<b>Sensors Quality</b>		100%	<b>Data Frequency</b>		100%	<b>Real-Time Hrs</b>		10.99/24 hrs	
Personnel and Services Information	COMPANY	TGC	WI3	RIG	EMC	GCD	SDM	ARM	ARM				Total <b>111</b>
	CATEGORY	CTR G	WPSTK	RIG	DFMS	ISS	LWD	OTHR	WSC				
	NO. OF PERSONS	15	2	83	1	2	4	2	2				
	OPERATING HRS.	0	20	12	24	6	20	12	24				
	ON LOCATION HRS.	24	24	24	24	24	24	24	24				
Trucks/Boats	Standby/Tankers												
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX							
REPAIR ASAP	Instrumentation	Other											Reporter
Computer, Communication & V-Sat Issues													

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Daily Onshore  
(0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>MZLJ-106201 (5,000 FT EFFECTIVE LATERAL LENGTH TARGETING LOWER SARAH FORMATION TO INCREASE GAS PRODUCTION OF THE M)</b>	Rig <b>SND- 3001</b>	Foreman(s) <b>RUSSELL, CORY/ DOUYEM, BRAHIM ATHMANE/ DUPUIS II, FULTON/ ALJABRI, SAMEH SALEM/ JAHDALI, OMAR HAMEED/ ALZAYED, ABDULRAHMAN ABDULLAH/ KHAYYAL, FAISAL IBRAHIM/ BATYOUR, ABDULAZIZ MOHAMMED</b>
Engineer			
Superintendent			
THURAYA <b>8821677712773</b>	RIG FORMAN VSAT <b>577-6128</b>	OTHER VSAT <b>013-577-6131</b>	CONTRACTOR/CLERK VSAT <b>577-6129</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>13555</b>	<b>CONT WOC, SHUT THE WELL IN, MONITOR THE WELL, DISPLACE TO HEAVIER MUD, STRIP IN THE HOLE, DISPLACE TO 118PCF</b>	<b>SHUT THE WELL IN, MONITOR WELL.</b>	<b>MZLJ</b>	<b>44.1</b> (01/14/2023@0330)	<b>BJDM 9110 33' SHALLOWER SUDR 10286 15' SHALLOWER SDDM 10607 12 SHALLOWER KHFF 11045 7' SHALLOWER KFAR 11094 02' SHALLOWER KFBR 11265 02' SHALLOWER KFCR 11754 08' DEEPER KFDA 12000 5' SHALLOWER BKDC 12441 23' SHALLOWER UNZA 12451 19' SHALLOWER QUSB 12556 11' DEEPER QBHS 13391 7' DEEPER SARH 13409 7' DEEPER</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>13555</b>	<b>7</b>	<b>8632</b>	<b>13554</b>		<b>9 5/8</b>	<b>91439143</b>		<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
05.5	0500 - 1030	0	8 3/8	N	CSG	WOC	LINR	RIG	13555	13555			WAIT ON CEMENT OPEN ANNULAR , BREAK DOWN AND LAY DOWN BAKER CEMENT HEAD. MONITOR WELL AT TRIP TANK
01.8	1030 - 1215	0	8 3/8	N	CSG	CIRC	MPMP	RIG	13555	13555			CHC TO GET CONSISTANT MUD WEIGHT IN AND OUT OF HOLE
00.5	1215 - 1245	0	8 3/8	N	CSG	WCNT	NA	RIG	13555	13555			FLOW CHECK WELL NOT STATIC, OBSERVE FLOW FROM 2-3BBL/HR FLUCTUATING
05.0	1245 - 1745	0	8 3/8	N	KILL	CIRC	MPMP	RIG	13555	13555			SHUT IN WELL AND MONITOR CASING PRESSURE WHILE MIXING OFF LINE TO INCREASE 700BBL MUD WEIGHT TO 114PCF
01.2	1745 - 1900	0	8 3/8	N	KILL	CIRC	MPMP	RIG	13555	13555			DISPLACE 114 PCF OBM TO THE HOLE & CIRC UNTIL MW IN=MW OUT. AS PER OFFICE INSTRUCTION
02.5	1900 - 2130	0	8 3/8	N	KILL	WCNT	NA	RIG	13555	13555			EXTENDED FLOW CHECK-THROUGH MANIFOLD TO TRIP TANK, WELL NOT STATIC, OBSERVE FLOW FROM 1-2 BBL/HR FLUCTUATING
02.0	2130 - 2330	0	8 3/8	N	KILL	WCNT	NA	RIG	13555	13555			SHUT IN WELL & MONITOR FOR CASING PRESSURE.
01.0	2330 - 0030	0	8 3/8	N	KILL	PJSM	NA	RIG	13555	13555			DECISION MADE TO STRIP DOWN TO 500' FROM TOP OF LINER TO KILL THE WELL WITH 118 PCF. HELD PRE-JOB SAFETY MEETING & DISCUSS HAZARDS AND RESPONSIBILITIES. CONNECT GRAY VALVE & OPEN TIW, ADJUST ANNULAR RAM PRESSURE, LINE TO TRIP TANK FOR RETURNS.
01.5	0030 - 0200	0	8 3/8	N	KILL	TI	STDP	RIG	13555	13555	7217	8281	STRIP IN THE HOLE W/10 X 5.5" DP STDs.
01.0	0200 - 0300	0	8 3/8	N	KILL	WCNT	NA	RIG	13555	13555			MONITOR THE WELL WHILE BUILDING UP THE MUD TO 118 PCF.
02.0	0300 - 0500	0	8 3/8	N	KILL	KILL	MPMP	RIG	13555	13555			DISPLACE THE WELL W/118 PCF ONGOING

RIG LOCATION DIRECTIONS: 304KM F/ DHARAN MAIN GATE.

JOURNEY MANAGEMENT:FROM UDHAILIYAH, DRIVE TO HARAHD, TURN RIGHT @ HARADH JUNCTION, DRIVE TOWARD Kharj until you reach GHAZAL BRIDGE, TAKE RIGHT THEN DRIVE ALMOST 10 KM BLACK TOP THEN TURN RIGHT AND DRIVE 5 KM SKID ROAD TO THE RIG. CALL SND-3001 MEDIC AT 013-804-9614 OR ARAMCO CLERK AT 013-577-6129 PRIOR TO TURNING OFF MAIN BLACKTOP. PROVIDE CLERK - NAME OF COMPANY, NUMBER OF PERSONNEL, COLOR OF VEHICLE AND EMERGENCY CONTACT NUMBER OF BASE PERSONNEL. NIGHT DRIVING BY 3RD PARTY PERSONNEL IS NOT RECOMMENDED.

THE MZLJ-106 PAD WELL IS A PART OF THE UNCONVENTIONAL DEVELOPMENT PROGRAM FOR THE SARAH FORMATION IN THE MAZALIJ FIELD. THE WELL WILL BE DRILLED FROM THE PAD, THE WELL MZLJ-106201\_0 WILL BE DRILLED WITH A 5,000 FT EFFECTIVE LATERAL LENGTH TARGETING LOWER SARAH FORMATION TO INCREASE GAS PRODUCTION OF THE MAZALIJ DEVELOPMENT PLAN. THE PLANNED TD FOR MZLJ-106201\_0 IS APPROXIMATELY 19,099 FT MD TO BE COMPLETED IN 96 DAYS.

\*\* SURFACE COORDINATE: N-2687550.93, E-207502.47

**SAFETY DATA:**

REVISED: 0, JSA REVIEWED: 4, PTW 2, LOTO: 0

TOTAL SOC'S: 12, STOP WORK: 7, NM: 0, DRILLS: 0

2ND RHSEI ALL ITEMS CLOSED

IN-HOUSE AUDIT: TOTAL 60 ITEMS; 55 CLOSED &amp; 5 OPEN

**ARAMCO PERSONNEL:**

ARAMCO CLERK SHAKIL AHMAD, BADGE #8249155, ARRIVED ON LOCATION 05/18/2022.

ARAMCO EXPEDITER FAISAL ALHAJRI, BADGE #8506109 ARRIVED ON LOCATION 02/12/2023.

ARAMCO FOREMAN TURKI AHMAD MOHAMMAD, BADGE #780609 ARRIVED ON LOCATION 02/21/2023.

RECEIVED 6.5" NOV HYDRO-MECHANICAL JAR 4" IF CONNECTION ON LOCATION 2/24/2023.

**\*\*WELLSITE RENTAL EQUIPMENT ON LOCATION**

\*\* 1 EA GECAT WATER TANKERS ON LOCATION: 01/14/2023.

PLATE:5239 - (2 LOADS PER DAY).

UNDER DRSS #1003832591

\*\*5X EA GECAT VACCUM TANKER ON LOCATION: 02/04/2023

PLATE NDA 6371/ NDA 5366 - (1 LOAD/DAY EACH)

PLATE NDA 5336 (1 LOAD/DAY)

PLATE BRA 4275 (1 LOAD/DAY)

PLATE KRA-2252 (1 LOAD/DAY)

PLATE BRA-3823 (1 LOAD/DAY)

UNDER DRSS# 1003832595

**LITHOLOGY:**

13550'TO 13555': TR-20% SHALE, 10 TO 20% SANDSTONE &amp; 70-80% SILTSTONE

AV GAS: NA UNITS

MAX GAS: NA UNITS

NEXT CASING (LINER) - 7" @ 13,554' (16' INTO SARAH )

NEXT WELL - MZLJ-106202

Remarks

URDD DRILLING ENGINEER ABDULRAHMAN ALZAYED ID #788138 ON LOCATION SINCE 02/23/2023 FOR WITNESSING RUNNING AND CEMENTING 7" LINER

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS		
MUD DATA	Weight <b>114</b> PCF	Funnel Vis. <b>80</b> SEC	Filtrate(WL) <b>3.8</b> HTHP	Filtrate (WL) API	PV <b>33</b>	YP <b>18</b>	Electrical Stability <b>750</b> Volts	3/6 RPM <b>10 / 11</b>	Gels Sec/Min <b>11 / 13</b>	PH	CA PPM	CL PPM					
	FL Temp <b>0</b>	Cake HTHP <b>2</b>	Cake API <b>0</b>	Water Vol.% <b>12</b>	Oil Vol.% <b>50</b>	Solids Vol.% <b>38</b>	Sand Vol.% <b>0</b>	% LGS <b>3.62</b>	MBT <b>0</b>	Mud type <b>INVER</b>	Water Well # <b>MZLJ-825, MZLJ-826</b>						
	Weight <b>106</b> PCF	Funnel Vis. <b>76</b> SEC	Filtrate(WL) <b>3</b> HTHP	Filtrate (WL) API	PV <b>37</b>	YP <b>26</b>	Electrical Stability <b>550</b> Volts	3/6 RPM <b>9 / 10</b>	Gels Sec/Min <b>9 / 12</b>	PH	CA PPM	CL PPM					
	FL Temp <b>0</b>	Cake HTHP <b>2</b>	Cake API <b>0</b>	Water Vol.% <b>15</b>	Oil Vol.% <b>51</b>	Solids Vol.% <b>34</b>	Sand Vol.% <b>0</b>	% LGS <b>5.01</b>	MBT <b>0</b>	Mud type <b>INVER</b>	Water Well # <b>MZLJ-825, MZLJ-826</b>						
	MUD TREATMENT <b>BARITE 12(5000L)</b>																
BIT DATA																	
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #			
Miscellaneous	BOP Test <b>02/19/2023</b>		BOP Drills <b>02/20/2023</b>		Wind	Sea	Weather <b>SEASONAL, COOL</b>			DSLTA		Safety Meeting					
	Real-Time Data Quality			Sensors Quality		<b>96%</b>	Data Frequency		<b>100%</b>	Real-Time Hrs		<b>10.74/24 hrs</b>					
Personnel and Services Information	COMPANY		RZT	BHI	RIG	GDF	MJH	NOJ	BLH	WUD	HMS	ARM	SCM	MI2	OTH	ARM	SAM
	CATEGORY		CTRG	DPDS	RIG	DFMS	SEC	JST	LHES	MPD	MLS	OTHR	PCS	SCS	VAC	WSC	WBCS
	NO. OF PERSONS		<b>15</b>	<b>2</b>	<b>55</b>	<b>2</b>	<b>8</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>6</b>	<b>5</b>	<b>2</b>
	OPERATING HRS.		<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>8</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>
	Standby/Tankers <b>AB-5571</b>															Total <b>108</b>	
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	<b>525</b>	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX										
REPAIR ASAP	Instrumentation		Other Computer, Communication & V-Sat Issues													Reporter	



Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>DMMM-818 (WORKOVER DMMM-818 IS LOCATED 0.1 KM N17E OF DMMM-57 AND 0.218 KM S19E OF DMMM-102 DMMM, DRILL SITE-B)</b> Charge #: <b>(61- 22011- 0818)</b> Wellbores: (0-1) DMMM_818_1	Rig <b>SND-3002</b>	Foreman(s) <b>REFAEI, ASHRAF MOUSTAFA/ KIBOUB, ALI/ ALI, SYED MUHAMMAD/ ABOJUBARA, AHMED JUMAAH/ HAQWI, MOHAMMED MOSA</b>
		Engineer Superintendent	THURAYA RIG FORMAN VSAT <b>88-216-777-12-717 013-87-65-182</b> OTHER VSAT <b>013-87-65-149</b> CONTRACTOR/CLERK VSAT <b>013-87-65-189</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>3411</b>	<b>POH KILL STRING, RUN &amp; SET 9-5/8" FAST DRILL B-P, POH &amp; L/D RUN TOOL, RUN &amp; SET 9-5/8" INTERWELL PLUG, POH SETTING TOOL, RUN RET TOOL, POH W/9-5/8" INTERWEL PLG</b>	<b>POH W/L/D INTERWELL PLUG, RUN &amp; SET 9-5/8" INTERWELL PLUG 50" BELOW TOL, N/D BOP, WELL HEAD WORK, NU BOP, RETR INTERWELL PLUG, RUN &amp; CMT 9-5/8" CSG.</b>	<b>DMMM-818 IS LOCATED 0.1 KM N17E OF DMMM-57 AND 0.218 KM S19E OF DMMM-102.</b>	<b>7.8</b> (02/19/2023@1100)	

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>3411</b>	<b>7</b>	<b>2899</b>	<b>3411</b>	<b>3213</b>	<b>9 5/8</b>	<b>3043</b>	<b>2883</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations					
									Start	End	Start	End						
04.5	0500 - 0930	0-1		N	CT	WO	NA	RIG	3411	3411			<b>LOGGING RESULT UNDER REVIEW, WAITING FOR DECISION.</b> - SAFETY KILL STRING @ 1500 FT. - BREACK CIRCULATION EVERY 30 MIN. - MONITORING WELL, STATIC LEVEL.					
01.5	0930 - 1100	0-1		N	CT	LDP	STRG	RIG	3411	3411	1500	0	<b>POOH SAFETY KILL STRING TO SURFACE &amp; L/D SAME</b> - MONITORING WELL, STATIC LEVEL.					
00.8	1100 - 1145	0-1		N	CT	HT	STRG	RIG	3411	3411			<b>HPJSM, PU/MU 9-5/8" HALL FAST DRILL BRIDGE PLUG WITH MECHANICAL SETTING TOOL.</b>					
00.5	1145 - 1215	0-1		N	CT	PJSM	STRG	RIG	3411	3411			<b>HOLD STAND UP MEETING WITH DAY SHIFT RIG CREW.</b>					
02.5	1215 - 1445	0-1		N	CT	HT	STRG	RIG	3411	3411			<b>RIH W/ 9-5/8" HALL FAST DRILL BRIDGE PLUG ON 5.5" DP TO SETTING DEPTH @ 2800'. (100' ABOVE 7" TOL).</b> * RUN WITH CONTROLLED SPEED					
01.0	1445 - 1545	0-1		N	CT	HT	STRG	RIG	3411	3411			<b>SET 9-5/8" 9-5/8" HALL FAST DRILL BRIDGE PLUG @ 2800', W/10 TURNS RIGHT, SLACK OFF 5 KLBS-OK, RELEASE RUNNING TOOL BY 35 TURNS RIGHT, SLACK OFF 40 KLBS (OK), P/T TO 500 PSI - OK.</b>					
01.0	1545 - 1645	0-1		N	CT	TO	STDP	RIG	3411	3411	2800	0	<b>POOH TO SURFACE &amp; L/D PLUG SETTING TOOL.</b>					
01.0	1645 - 1745	0-1		N	WH	OTH	NA	IWS	3411	3411			<b>IWS PERFORMED TOP 13-3/8" CSG UT (ULTRA-SONIC WALL THICKNESS TEST), AVERAGE THICKNESS LOSS 0.5 MM- AVERAGE: 3.58%.</b>					
00.5	1745 - 1815	0-1		N	CT	RR	TDS	RIG	3411	3411			<b>SERVICE TOP DRIVE &amp; CHECK FOR POTENTIAL DROPPING OBJECT.</b>					
00.5	1815 - 1845	0-1		N	CT	HT	STRG	RIG	3411	3411			<b>HPJSM, PU/MU 9-5/8" INTERWELL PLUG WITH MECHANICAL SETTING TOOL.</b>					
03.0	1845 - 2145	0-1		N	CT	HT	STRG	RIG	3411	3411			<b>RIH 9-5/8" INTERWELL PLUG ON 5.5" DP TO SETTING DEPTH @ 2750'. (50' ABOVE 9-5/8" HALL FAST DRILL BRIDGE PLUG).</b> * RUN WITH CONTROLLED SPEED					
00.5	2145 - 2215	0-1		N	CT	HT	PEL	RIG	3411	3411			<b>SET 9-5/8" HRT INTERWELL PLUG@ 2750', DROP 1" STILL BALL &amp; PRESSURE UP TO 2800 PSI PLUG SET, SLACKED OFF 10 KLBS-OK.</b>					
00.8	2215 - 2300	0-1		N	CT	CIRC	MPMP	RIG	3411	3411			<b>PRESSURE TEST LEAKING AT 260 PSI (TEST NOT HOLDING), THEN OBSERVED PARTIAL LOSSES 25 BBL/HR.</b> - LOSSES DECREASED F/25 BPH TO 10 BPH.					
01.2	2300 - 0015	0-1		N	CT	TO	STDP	RIG	3411	3411	2750	0	<b>POOH TO SURFACE ON 5.5" DP W/INTERWELL PLUG SETTING TOOL.</b> - MONITORING WELL, PARTIAL LOSSES 10 BPH.					
00.8	0015 - 0100	0-1		N	CT	LDP	STRG	RIG	3411	3411	0	0	<b>L/D INTERWELL PLUG SETTING TOOL &amp; M/U INTERWELL PLUG RETREIVING TOOL.</b> - MONITORING WELL, PARTIAL LOSSES 10 BPH.					
00.5	0100 - 0130	0-1		N	CT	PJSM	STRG	RIG	3411	3411			<b>HOLD STAND UP MEETING WITH NIGHT SHIFT RIG CREW.</b> - MONITORING WELL, PARTIAL LOSSES 10 BPH.					
01.5	0130 - 0300	0-1		N	CT	TI	STDP	RIG	3411	3411	0	2750	<b>RIH ON 5.5" DP W/INTERWELL PLUG RETREIVING TOOL TO 9-5/8" HRT INTERWELL PLUG @ 2750 FT.</b> - MONITORING WELL, PARTIAL LOSSES 10 BPH.					
00.5	0300 - 0330	0-1		N	CT	HT	STRG	RIG	3411	3411			<b>TAG TOP INTERWELL PLUG, LATCH W/10 KLBS,</b> - MONITORING WELL, PARTIAL LOSSES 10 BPH.					
01.5	0330 - 0500	0-1		N	CT	HT	STRG	RIG	3411	3411			<b>POOH 9-5/8" INTERWELL PLUG ON 5.5" DP TO SURFACE, L/D SAME.... ON GOING @ R/T.</b> - MONITORING WELL, LOSSES DECREASED TO 0 BPH, STATIC LEVEL.					

#### =====WELL OBJECTIVES=====

DMMM-818 WILL BE WORKED OVER TO RETRIEVE FISH AND CLEAN WELLBORE TO RESTORE PRODUCTIVITY. DMMM-818 WILL BE USED AS WATER SUPPLY SOURCE FOR INJECTION INTO ARAB FORMATIONS TO SUPPORT RESERVOIR PRESSURE DURING DAMMAM OIL PRODUCTION.

GOR = 0 SCF/STB - H2S = 0 % - 1/2 LFL = 0 METERS

STAGING AREA #1, N: 2907810 E: 409505.

STAGING AREA #2, N: 2905808 E: 409856.

#### =====ARAMCO POB & VISITORS=====

- ARAMCO FOREMAN ALI KIBOUB#8103841 ON LOCATION SINCE 2/23/2023.
- ARAMCO CLERK ASAD SHAH ID # 8266406 ON LOCATION SINCE 1/10/2022.
- ARAMCO FCT OMAR ALBELADI ID# 740448 VISITED & TOURED THE RIG.
- AL-MUJAHIDEEN GROUP ON LOCATION SINCE 07/20/2020.

=====KPI=====  
- DP TRIPPING KPI: 19 STD/HR / ACTUAL: NONE.  
=====SAFETY =====

\* SAFETY TOPIC:

- JSA: (07) STOP CARDS: (20), PRE-TOUR SAFETY MEETING: (3), WEEKLY SAFETY MEETING: (3).
- COLD PTW:(6), HOT PTW: (3), CONFINED SPACE: (0), BUFFER ZONE: (0), LIFTING PERSONNEL (2), DIESEL TRANSFER: (0), LIVE CIR (0), RADIOACTIVE (0)

CONDUCTED DRILLS: PIT DRILL: (0), TRIP DRILL: (0), BOP FUNCTION TEST: (0), ACCUMULATOR TEST: (0),  
H2S RELEASE DRILL AT RIG SITE: (0), H2S RELEASE DRILL AT MAIN CAMP: (0), H2S RESCUE DRILL: (0), H2S AND COMPINDED DRILL (0)  
FIRE DRILL: (0), FIRE PUMP: (1), POST MOVE FIRE WATER SYSTEM HYDRO TEST AND FLUSH (0), FIRE WATER SYSTEM EQUIPMENT FUNCTION TESTS (0), MAN  
DOWN DRILL: (0), CONFINED SPACE RESCUE DRILL: (0), FIRST AID DRILL: (0), VERTICAL RESCUE DRILL: (0), SPILL RESPONSE DRILL (0), ANNUAL SECONDARY  
EMERGENCY DRILL: (0), MAN LOST - SEARCH/ RESCUE DRILL (0), SWA DRILL (0),

=====SPECIAL EQUIPMENT ON LOCATION =====

- 2 X 55 SEAT BUS STAND-BY ON LOCATION.

=====RENTAL TOOLS=====

- RECEIVED 6-1/2" NOV HYD DOUBLE ACTING JAR SN#GFJ650-S2566085 ON 02/18/2023 AT 08:00 HRS.
- RECEIVED 6-1/2" NOV HYD MECH JAR SN#BOT651142DJ ON 02/18/2023 AT 08:00 HRS.
- RECEIVED 4-3/4" FISHING AGITATOR SN#AGAR0475-0193 ON 02/18/2023 AT 08:00HRS.
- RECEIVED 4-3/4" SHOCK SUB SN#155-47361 ON 02/18/2023 AT 08:00HRS.
- RECEIVED4-3/4" NOV HYD DOUBLE ACTING JAR SN#CW-2985611-1 ON 02/20/2023 AT 16:00 HRS.

=====VACUUM TANKERS=====

- (AL-MADEED) VACUUM TANKER; ON LOCATION PLATE NO.: 3291 & 2794.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS						
MUD DATA	Weight <b>81</b>	Funnel Vis. <b>50</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9.8</b>	CA PPM <b>155000</b>	CL PPM <b>256787</b>									
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>92</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>8</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>WBM-CAC</b>	Water Well # <b>DHRN-881, DMMM-826</b>										
	Weight <b>81</b>	Funnel Vis. <b>49</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9.7</b>	CA PPM <b>155000</b>	CL PPM <b>256787</b>									
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>92</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>8</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>WBM-CAC</b>	Water Well # <b>DHRN-881, DMMM-826</b>										
MUD TREATMENT																					
BIT DATA	Bit Number <b>14RR</b>	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out										
	Feet <b>5</b>	Hours <b>80</b>	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure <b>1300</b>	GPM <b>170</b>	Jet Vel	DP Av	DC Av	Bit HHP <b>0</b>					
DRILL STRING	Float <b>Y</b>																				
	BHA Hrs:																				
	String Wt. <b>113</b>	Pick Up <b>115</b>	Slack Off <b>110</b>	Rot. Torque <b>1500</b>			Jars: Serial #/Hrs			/	Shock Sub:	/	Mud Motor:	/							
Miscellaneous	Order Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #								
	BOP Test <b>02/24/2023</b>	BOP Drills <b>02/24/2023</b>		Wind	Sea		Weather		DSLTA		Safety Meeting <b>SWA &amp; PTW SAFETY.</b>										
	Real-Time Data Quality			Sensors Quality <b>99%</b>			Data Frequency <b>100%</b>		Real-Time Hrs <b>11.49/24 hrs</b>												
Personnel and Services Information	COMPANY		HCB	INW	WCR	GOS	RIG	SMI	MJH	RIG	RUE	RIG	ARM	HCM	MI2	OTH	ARM	RWC	FME	Total <b>104</b>	
	CATEGORY		BRCCR	BRCCR	CSR	CTRG	RIG	DFMS	SEC	SEC	H2S	OTHR	OTHR	PCS	SCS	VAC	WSC	WTSE	WHES		
	NO. OF PERSONS		<b>1</b>	<b>2</b>	<b>16</b>	<b>42</b>	<b>2</b>	<b>6</b>	<b>3</b>	<b>2</b>	<b>7</b>	<b>1</b>	<b>5</b>	<b>9</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>1</b>		
	OPERATING HRS.		<b>6</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>12</b>	<b>24</b>	<b>24</b>	<b>0</b>		
	ON LOCATION HRS.		<b>6</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>		
	Trucks/Boats		Standby/Tankers																		
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>216</b>		Barite- SX		Bentonite - SX		Cement G- SX												
REPAIR ASAP	Instrumentation		Other		Computer, Communication & V-Sat Issues												Reporter				

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HRDH-6005 (A STRUCTURAL-STRATIGRAPHIC GAS DELINEATION OPPORTUNITY TO EVALUATE UNZ B/C RES)</b> Charge #: <b>(75- 22058- 6005)</b> Wellbores: (0-1) HRDH_6005_1	Rig <b>SND-3003</b> Foreman(s) <b>DE MOOR, WILHELMUS LEON/ ISMAIL, MOHAMED SAMI/ SARWI, FAISAL MUSA/ BU RUSHAIID, IBRAHIM MOHAMMED</b> Engineer Superintendent
	THURAYA <b>8821677712798</b>	RIG FORMAN VSAT <b>5779638</b> OTHER VSAT <b>8805055 5779643</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>6100</b>	<b>POOH DIRECTIONAL BHA, BOP TEST, CHANGE OUT BHA DUE TO HRS, P/UP NEW BHA &amp; RIH 16" DIRECTION BHA.</b>	<b>RIH 16" DIRECTIONAL BHA, 16.5 KM WEST OF DIRECTIONAL DRILL 16" SIDE TRACK HOLE TO CP @ KM FROM DHMG 11,135 FT (30 FT INTO BJDM)</b>	<b>HRDH GOSP-3 269</b>	<b>60.9 (12/28/2022@0500)</b>	<b>MDTM 5740 50' DEEP</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>6040</b>					<b>18 5/8</b>	<b>57905790</b>		<b>60</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
03.0	0500 - 0800	0-1	16	N	DRLG	HT	BHA	RIG	6100	6100			POOH W/ 16" SLB DIRC BHA & L/D BIT & SLB TOOLS - FILL HOLE AS REQ'D. -BIT GRADING: 1-1-WT-G-X-NO-BHA-0
00.5	0800 - 0830	0-1	16	N	WH	RTRV	WBSH	RIG	6100	6100			RETRIEVE WEAR BUSHING.
00.8	0830 - 0915	0-1	16	N	BOP	BOP	BOP	RIG	6100	6100			HPJSM: M/UP BOP TEST ASSY W/ 5 STD 5,5" HWDP & LAND IN PLACE - FLUSH BOP, CHOKE MANIFOLD, DEGASSER & SURFACE LINES & FLARE PIT W/ WATER.
04.0	0915 - 1315	0-1	16	N	BOP	BOPT	BOP	RIG	6100	6100			HPJSM: P/TEST 26-3/4" 10M CLASS "A" BOP & RELATED EQUIPMENT AS PER ARAMCO STANDARD.
00.5	1315 - 1345	0-1	16	N	BOP	SDR1	NA	RIG	6100	6100			PERFORM ACCUMULATOR DRILL - POH L/D TEST ASSY.
00.5	1345 - 1415	0-1	16	N	WH	SET	WBSH	RIG	6100	6100			INSTALL WEAR BUSHING.
05.0	1415 - 1915	0-1	16	N	DRLG	HT	BHA	RIG	6100	6100			HPJSM & JSA: RIH W/ DC'S & HWDP FR/MAST - POH & L/D SAME DUE TO HOURS PRIOR TO COMPLETE 16" HOLE SECTION.
01.5	1915 - 2045	0-1	16	N	DRLG	HT	BHA	RIG	6100	6100			P/UP SAMMA PBL SUB W/ 1 STD AND FUNCTION TEST-OK
06.8	2045 - 0330	0-1	16	N	DRLG	HT	BHA	RIG	6100	6100			HPJSM: P/UP RR PDC BIT# SM2486 (MDS1716-C) + SLB MUD MOTOR W/ 1.15 DEG BH W/ FLT VALVE ON SLB DIRECTIONAL BHA -P/UP NEW DC'S & HWDP'S. -HPJSM & JSA: P/UP NEW DC'S & HWDP'S. -P/UP NEW JAR SN#DJ-00204 AT 01:30 AM. -SHALLOW TEST SLB MWD & MOTOR (700 GPM , P=820 PSI)
01.5	0330 - 0500	0-1	16	N	DRLG	TI	STDP	RIG	6100	6100	1095	3100	RIH W/ SLB 16" MOTOR BHA ON 5,5" DPS ...ONGOING.... -F/UP 20 STD'S EACH. -CHECK MWD SIGNAL EVERY 30 STD'S.

HRDH-6005 WELL IS A STRUCTURAL-STRATIGRAPHIC, GAS DELINEATION OPPORTUNITY. THE PRIMARY OBJECTIVES OF THE WELL IS TO EVALUATE THE HYDROCARBON POTENTIAL IN UNAYZAH B/C RESERVOIR.

WELL-HRDH-6005 IS CONSIDERED AS CLASS A CRITICAL BASED ON THE SAUDI ARAMCO WELL COMPLEXITY INDEX.

-----CASING SETTING DEPTHS-----

CASING SETTING DEPTH:

- PLANNED 13-3/8" CSG SET AT 11,135 FT, (30 FT INTO BJDM) / ACTUAL: XXXX FT
- PLANNED 9-5/8" CSG SET AT 13,518 FT MD, (10 FT TVD INTO KFBC) / ACTUAL:XXX FT
- PLANNED 7" LINER SET AT 14,851 FT MD, (400 FT TVD INTO KKFDA) / ACTUAL: XXXX FT
- PLANNED 4-1/2" LINER TO BE SET AT 16,650 FT MD, (1076 FT TVD INTO UNAYZA B/ PREUNAYZA UNCONFORMITY. ) / ACTUAL : XXX FT

===== ARAMCO POB & VISITORS =====

> ARAMCO CLERK HOSSAIN IBRAHIM #7330199 ON LOC 01/29/2023.

===== RENTAL EQUIPMENT =====

> 9-1/2" GULF HMDJ SN#GE-DJ-00204 ON LOCATION ON 02/17/23 AT 1:00 PM. P/UP AT 01:30AM 02/27/2023

> 9 1/2" GULF /HDA-JAR SN=HJDA-950-0010 ARRIVED ON LOCATION 2/10/2023 AT 22:00. L/D AT 17:30 02/26/2023

> 9-1/2" NPS HDA-JAR SN#HDA-950-0003 ON LOCATION ON 02/25/23 AT 9:00 PM.

> G-CAT VAC TRUCK : 6479 ZRA / 7191 KSA / 3154 SJA AS PER DRSS 1003830166 AND 5008-NLA / 1930 TRA AS PER DRSS 1003809467

> SANJEL 100 BBLS 20% VDA ON LOCATION 1/26/23.

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> NEXT LOCATION : ARAM-1, READY ( STANDARD LAYOUT )

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVB	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
	Funnel						Gels		CL

MUD DATA	Weight <b>70</b> PCF	Vis. <b>50</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>12</b>	YP <b>23</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>11 / 12</b>	Sec/Min <b>11 / 13</b>	PH <b>10</b>	CA PPM <b>260</b>	PPM <b>35000</b>
	FL Temp <b>95</b>	Cake HTHP <b>1</b>	Cake API <b>1</b>	Water Vol.% <b>90</b>	Oil Vol.% <b>0</b>	Solids Vol.% <b>10</b>	Sand Vol.% <b>0</b>	% LGS <b>3.72</b>	MBT <b>3</b>	Mud type <b>NCPOL</b>	Water Well # <b>HRDH-3516, HRDH-3532</b>	
	Weight <b>70</b> PCF	Funnel Vis. <b>48</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>12</b>	YP <b>23</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>11 / 12</b>	Gels Sec/Min <b>11 / 13</b>	PH <b>10</b>	CA PPM <b>240</b>	CL PPM <b>35000</b>
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>1</b>	Water Vol.% <b>90</b>	Oil Vol.% <b>0</b>	Solids Vol.% <b>10</b>	Sand Vol.% <b>0</b>	% LGS <b>3.68</b>	MBT <b>3</b>	Mud type <b>NCPOL</b>	Water Well # <b>HRDH-3516, HRDH-3532</b>	

MUD TREATMENT	<b>PACLV</b>	<b>XC</b>	<b>CAUST</b>	<b>NUTPLUG</b>	<b>BCTRN</b>	<b>BAROFIBER</b>	<b>BAROFIBRS</b>	<b>BFIBRE-SF</b>	<b>MICA-FINE</b>	<b>MICA-CRSE</b>	<b>WELL-SEAL</b>	<b>SOLFLKF</b>	<b>MRBL-C</b>	<b>MRBL-M</b>	<b>WELL-SEAL C</b>
	<b>12(55LB)</b>	<b>6(25KG)</b>	<b>4(55LB)</b>	<b>40(55LB)</b>	<b>2(5GLD)</b>	<b>25(25LB)</b>	<b>25(25LB)</b>	<b>25(25LB)</b>	<b>40(55LB)</b>	<b>40(55LB)</b>	<b>40(50LB)</b>	<b>34(50LB)</b>	<b>7(2200L)</b>	<b>6(2200L)</b>	<b>40(50LB)</b>

BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out				
	<b>10NEW</b>	<b>M223</b>	<b>16</b>	<b>SMT</b>	<b>SM2485</b>	<b>MDSI716C</b>	<b>/ 10 X 12 /</b>	<b>1.104</b>	<b>6040</b>	<b>6100</b>					
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av
					<b>1</b>	<b>1</b>	<b>WT</b>	<b>G</b>	<b>X</b>	<b>0</b>					
	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out				
	<b>11RR</b>	<b>M223</b>	<b>16</b>	<b>SMT</b>	<b>SM2485</b>	<b>MDSI716C</b>	<b>/</b>		<b>6100</b>	<b>6100</b>					
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av
															Bit HHP

DRILL STRING	Float <b>Y</b>																			
	BHA Hrs:																			
	String Wt.	Pick Up	Slack Off	Rot. Torque			Jars: Serial #/Hrs			<b>68</b>	Shock	/	Mud	/						
	Float <b>Y</b>																			
	BHA Hrs:																			
	String Wt.	Pick Up	Slack Off	Rot. Torque			Jars: Serial #/Hrs			/	Shock	/	Mud	/						
	String Wt.	Pick Up	Slack Off	Rot. Torque			Jars: Serial #/Hrs			/	Shock	/	Mud	/						
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #				
	<b>1</b>	<b>Bit</b>			<b>SMT</b>	<b>16</b>	<b>1</b>	<b>16</b>	<b>3.513</b>		<b>7-5/8" REG</b>	<b>75/8" REG</b>				<b>SM2485</b>				
	<b>2</b>	<b>Mud Motor</b>			<b>SDM</b>	<b>9.625</b>	<b>1</b>	<b>9.625</b>	<b>7.85</b>	<b>34.02</b>	<b>7-5/8" REG</b>	<b>7-5/8"REG</b>				<b>1064784</b>				
	<b>3</b>	<b>Stabilizer</b>			<b>SDM</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>7.33</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>				<b>SDT9318</b>				
	<b>4</b>	<b>Measurement While Drilling (MWD)</b>			<b>SDM</b>	<b>9.75</b>	<b>1</b>	<b>9.75</b>	<b>5.9</b>	<b>27</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>				<b>V4287</b>				
	<b>5</b>	<b>Non Magnetic Drill Collar (NMDC)</b>			<b>SDM</b>	<b>9.34</b>	<b>1</b>	<b>9.43</b>	<b>3.03</b>	<b>20.38</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>				<b>LZ28</b>				
	<b>6</b>	<b>Roller Reamer</b>			<b>RIG</b>	<b>9.5</b>	<b>1</b>	<b>16</b>	<b>3</b>	<b>8.6</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>				<b>RIG</b>				
	<b>7</b>	<b>Float Sub</b>			<b>SDM</b>	<b>9.688</b>	<b>1</b>	<b>9.688</b>	<b>2.813</b>	<b>2.96</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>				<b>ITS340645</b>				
	<b>8</b>	<b>Filter Sub</b>			<b>SDM</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3.51</b>	<b>7.16</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>				<b>9501030</b>				
	<b>9</b>	<b>Multi Activation Circulating Sub</b>			<b>SAM</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3.5</b>	<b>8.82</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>				<b>TALLY</b>				
	<b>10</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>9.5</b>	<b>7</b>	<b>9.5</b>	<b>2.875</b>	<b>210.33</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>				<b>TALLY</b>				
	<b>11</b>	<b>Hydro-Mechanical Jar</b>			<b>GUL</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3.25</b>	<b>28.88</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>				<b>DJ-00204</b>				
	<b>12</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>9.5</b>	<b>2</b>	<b>9.5</b>	<b>3</b>	<b>59.25</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>				<b>TALLY</b>				
	<b>13</b>	<b>Crossover</b>			<b>RIG</b>	<b>9.25</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>2.55</b>	<b>6-5/8" REG</b>	<b>7-5/8" REG</b>				<b>30031</b>				
	<b>14</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>8.5</b>	<b>6</b>	<b>8.5</b>	<b>3</b>	<b>183.86</b>	<b>6-5/8" REG</b>	<b>6-5/8" REG</b>				<b>TALLY</b>				
	<b>15</b>	<b>Crossover</b>			<b>RIG</b>	<b>8.5</b>	<b>1</b>	<b>9.5</b>	<b>2.813</b>	<b>2.61</b>	<b>XT-54</b>	<b>6-5/8" REG</b>				<b>13080269</b>				
	<b>16</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>5.5</b>	<b>15</b>	<b>6.25</b>	<b>3.25</b>	<b>458.22</b>	<b>XT-54</b>	<b>XT-54</b>				<b>TALLY</b>				
	<b>17</b>	<b>Drillpipe</b>			<b>RIG</b>	<b>5.5</b>	<b>1</b>	<b>5.5</b>	<b>4.67</b>	<b>31.1</b>	<b>XT-54</b>	<b>XT-54</b>	<b>24.7</b>			<b>RIG</b>				

BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting
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Miscellaneous	02/26/2023	2/25/2023	NORTH TO WEST						COLD & WINDY				TOURLY				
	Real-Time Data Quality			Sensors Quality			94%	Data Frequency			100%	Real-Time Hrs		11.37/24 hrs			
Personnel and Services Information	COMPANY		SWK	RIG	EMC	MJH	OJR	SDM	BR1	SGR	RIG	ARM	SJC	OTH	ARM	SAM	
	CATEGORY		CTR G	RIG	DFMS	SEC	JST	LWD	MLS	MLS	OTHR	OTHR	PCS	VAC	WSC	WBCS	
	NO. OF PERSONS		14	30	2	5	0	4	0	4	12	1	3	5	2	1	
	OPERATING HRS.		0	24	24	0	10	12	24	24	24	24	0	10	24	12	
	ON LOCATION HRS.		24	24	24	24	0	24	0	24	24	24	24	12	24	24	
Trucks/Boats	Standby/Tankers <b>DH-7508</b>	<b>RIG AMBULANCE</b>		<b>RIG BUS COASTER</b>		<b>SANAD PICK UP CAR</b>											
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>554</b>		Barite- SX <b>316</b>		Bentonite - SX <b>39</b>		Cement G- SX <b>6500</b>								
REPAIR ASAP	Instrumentation		Other Computer, Communication & V-Sat Issues														Reporter

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Total  
**83**

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>MRJN-902 (OIL EVALUATION MLS WELL TO EVALUATE THE EAST AREA OF MARJAN FIELD)</b> Charge #: <b>(66- 22073- 0902)</b> Wellbores: (0) MRJN_902_0	Rig <b>SNF036</b>	Foreman(s) <b>MCLEARN, DONALD BRUCE/ MOHAMED, MAHMOUD EMAD/</b>
		Engineer Superintendent	<b>RIZA, ISKANDAR/ GHAMDI, MAGID ABDULLA</b>
	THURAYA <b>8821677712158</b>	RIG FORMAN VSAT <b>673-7441</b>	CONTRACTOR/CLERK VSAT <b>829-3854 / 678-4596</b>

Depth	Last 24 hr operations		Next 24 hr plan						Location		Days Since Spud/Comm (Date)		Formation tops	
Prev. Depth			Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage		Circ %		
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Start	End	Start	End
00.8	0500 - 0545	0		N	CSG	HT	PEL	FMC	486	486				
00.2	0545 - 0600	0		N	CSG	PJSM	CSG	RIG	486	486				
01.5	0600 - 0730	0		N	CSG	HT	PEL	RIG	486	486				
01.8	0730 - 0915	0		N	CSG	OTH	CSG	ARM	486	486				
00.2	0915 - 0930	0		N	CSG	PJSM	CSG	RIG	486	486				
00.5	0930 - 1000	0		N	CSG	CMC	CSG	HCM	486	486				
01.0	1000 - 1100	0		N	CSG	CIRC	MPMP	RIG	486	486				
01.0	1100 - 1200	0		N	CSG	CMC	CSG	HCM	486	486				
00.5	1200 - 1230	0		N	CSG	PJSM	CSG	RIG	486	486				
00.5	1230 - 1300	0		N	CSG	CIRC	MPMP	RIG	486	486				
00.5	1300 - 1330	0		N	CSG	CIRC	MPMP	RIG	486	486				
01.0	1330 - 1430	0		N	CSG	OTH	CSG	ARM	486	486				
01.0	1430 - 1530	0		N	CSG	WOC	CSG	RIG	486	486				
00.2	1530 - 1545	0		N	CSG	PJSM	CSG	RIG	486	486				
03.5	1545 - 1915	0		N	CSG	OTH	CSG	ARM	486	486				
02.8	1915 - 2200	0		N	CSG	OTH	CSG	ARM	486	486				
02.0	2200 - 0000	0		N	CSG	OTH	CSG	ARM	486	486				
00.5	0000 - 0030	0		N	CSG	PJSM	CSG	RIG	486	486				
03.2	0030 - 0345	0		N	BOP	OTH	DVRT	RIG	486	486				
00.2	0345 - 0400	0		N	BOP	PJSM	DVRT	RIG	486	486				

01.0 0400 - 0500 0

N BOP NU DVRT RIG 486 486

NU 30" ANNULUAR DIVERTER.....ON GOING AT RT.

THE WELL MRJN-902 MLS WILL BE DRILLED AS AN EVALUATION WELL TO EVALUATE EAST AREA OF MARJAN FIELD. THE WELL WILL BE DRILLED VERTICALLY DOWN TO THE BASE OF ARAB RESERVOIR AT +/- 9544' MD/TV AND THEN TO BE COMPLETED AS AN MLS.

=====CURRENT LOCATION DATA=====

FINAL COORDINATES: LAT: 28DEG 21.4904' N / LONG: 049DEG 49.5474' E / RIG HEADING: 14.9 DEG

- \* AIR GAP 39 FT (11.9M)
- \* WATER DEPTH: 51 M (167 FT)(HSU) / RKB TO MSL: 114 FT / RKB TO SEA BED: 281 FT
- \* FINAL LEG PENETRATION (BOW 9.5 FT, PORT LEG 9.5 FT & STBD LEG 9.5 FT).

=====HOLE SECTIONS:

- \* 34" PLANNED DEPTH AT 477 FT. (ACTUAL 486 FT)
- \* 22" PLANNED DEPTH AT 2709 FT.
- \* 16" PLANNED DEPTH AT 5636 FT.
- \* 12-1/4" PLANNED DEPTH AT 8166 FT.
- \* 8-1/2" PLANNED DEPTH AT 9544 FT.

=====SAFETY : REVIEWED HSE ALERT 15-23 WITH RIG CREWS.

=====SAFETY DRILLS 0 X PIT + 0 X TRIP.

=====PERSONNEL:

\* RENTAL TOOLS:

- \* SLB 14" SHOCK SUB (SN:3116KA) DELIVERED 2/23/2023
- \* SLB 6 3/4" DRILLING JAR (SN:XXXX) DELIVERED 2/23/2023

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS			
<b>MUD DATA</b>												
MUD TREATMENT												
<b>BIT DATA</b>												
<b>DRILL STRING</b>												
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #												
Miscellaneous		BOP Test	BOP Drills	Wind 20-22 KTS, SE	Sea 3-4 FT	Weather SEASONAL	DSLTA 3668	Safety Meeting TOURLY				
Real-Time Data Quality												
Personnel and Services Information	COMPANY		GOS	BHI	RIG	BDF	SGR	HCM	MI2	ARM	GEP	Total <b>77</b>
	CATEGORY		CTR G	DPDS	RIG	DFMS	MLS	PCS	SCS	WSC	WHES	
	NO. OF PERSONS		12	3	49	2	5	2	1	2	1	
	OPERATING HRS.		0	0	24	12	24	3	0	24	0	
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers <b>HADI 41</b>											
BULK	Drill Wtr.-BBLS <b>2893</b>	Pot Wtr.- BBLS <b>1887</b>	Fuel- BBLS <b>2066</b>	Barite- SX <b>2007</b>	Bentonite - SX <b>0</b>	Cement G- SX <b>1192</b>						
REPAIR ASAP	Instrumentation	Other									Reporter	
	Computer, Communication & V-Sat Issues											

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D&WO Morning Report (Service Providers View)  
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 Daily OffShore  
 (0500-0500) Saudi Aramco

Date MONDAY 02/27/2023	Well No (Type) : <b>SFNY-1203</b> (SIDETRACK & RUN ICD SCREENS)	Rig <b>SNT-025</b>	Foreman(s) <b>GOINS, BART WAYNE/ SAUD, MAHER</b> IBRAHIM/ LOONI, QADIR DAD/ ZAHRANI, ALI IBRAHIM		
Charge #: <b>71- 22013- 1203</b>	Wellbores: (0- 1) SFNY_1203_1	Engineer Superintendent	<b>THURAYA</b> RIG FORMAN VSAT <b>008821621281372</b> OTHER VSAT <b>3786445</b> CONTRACTOR/CLERK VSAT <b>3786447</b> <b>3786446</b>		
Depth <b>5408</b>	Last 24 hr operations <b>RIH W/ 8-1/2" RR PDC BIT WITH WFD MILLING ASSY, DRILL OUT RATHOLE TO 5350' ODF, CHC, POH, MU &amp; RUN W/ WFD SECTION TO TE 8-1/2" DIR MM BHA, DIR DRILL 8-1/2" CURVE SECTION.</b>	Next 24 hr plan <b>DIR DRILL L-0-1 SFNY-1203 8-1/2" CURVE SECTION TO TE @ +/- 6171'.</b>	Location <b>17.3 (02/09/2023@1700)</b>	Days Since Spud/Comm (Date) <b>17.3 (02/09/2023@1700)</b>	Formation tops

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>5408</b>	<b>RIH W/ 8-1/2" RR PDC BIT WITH WFD MILLING ASSY, DRILL OUT RATHOLE TO 5350' ODF, CHC, POH, MU &amp; RUN W/ WFD SECTION TO TE 8-1/2" DIR MM BHA, DIR DRILL 8-1/2" CURVE SECTION.</b>	<b>DIR DRILL L-0-1 SFNY-1203 8-1/2" CURVE SECTION TO TE @ +/- 6171'.</b>		<b>17.3 (02/09/2023@1700)</b>	
Prev. Depth <b>5345</b>	Liner Size <b>7</b>	TOL <b>6298</b>	MD <b>9236</b>	TVD <b>5263</b>	Last Csg Size <b>9 5/8</b> MD <b>63126312</b> TVD <b>63</b> Footage Circ % <b>0</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations	
									Start	End	Start	End				
01.5	0500 - 0630	0-1	8 1/2	N	DRLG	TI	BHA	RIG	5345	5345	0	1397	TF	909525	RIH 8-1/2" RR PDC BIT WITH WFD MILLING ASSY.	
02.0	0630 - 0830	0-1	8 1/2	N	DRLG	TI	SPDP	RIG	5345	5345	1397	5345	TF	909525	RIH 8-1/2" RR PDC BIT WITH WFD MILLING ASSY ON 5" D.P. ( FILL EVERY 20 STD'S OF DRILL PIPE )	
01.0	0830 - 0930	0-1	8 1/2	N	DRLG	D	TDS	RIG	5345	5351			TF	909525	ESTABLISH PARAMETERS & DRILL 8 1/2" RAT HOLE, 4K TO 5K ON BIT W/ 400 GPM, 1400 PSI PUMP PRESSURE & 80 RPM.	
00.8	0930 - 1015	0-1	8 1/2	N	DRLG	CIRC	MPMP	RIG	5351	5351			TF	909525	PUMP TANDEM SWEEP & CIRC HOLE CLEAN. CHECKED FOR WINDOW WITH/WITHOUT ROTATION AND PUMPING - WINDOW IN GOOD CONDITION.	
02.2	1015 - 1230	0-1	8 1/2	N	DRLG	TO	STDP	RIG	5351	5351	5351	1397	TF	909525	FLOW CHECK; STATIC, POH W/ 8-1/2" RR PDC BIT WITH WFD MILLING ASSY ON 5" DP.	
02.0	1230 - 1430	0-1	8 1/2	N	DRLG	HT	BHA	RIG	5351	5351			TF	909525	POH WITH 8-1/2" RR PDC BIT WITH WFD MILLING ASSY BHA. ( L/D 6 1/2" DRILLING JARS, WEATHERFORD MILLS, X/OVER, BIT SUB & RR 8 1/2" BIT ). - CHECKED FOR WFD MILLS ALL FULL GAUGE.	
00.5	1430 - 1500	0-1	8 1/2	N	MAIN	RR	TDS	RIG	5351	5351					SERVICED TDS.	
01.0	1500 - 1600	0-1	8 1/2	N	CT	CIRC	MPMP	RIG	5351	5351					M/U JETTING TOOL & JET BOP, L/D JETTING TOOL.	
03.0	1600 - 1900	0-1	8 1/2	N	DRLG	HT	BHA	BHI	5351	5351					P/U & M/U WEATHERFORD DIRECTIONAL ASSY: MU WFD HYPER LINE MUD MOTOR W/ FIXED 1.64 DEG BEND & 6/7 LOBE, 5.0 STAGE, REV/GAL= 0.29, MULTI-FREQUENCY RESISTIVITY, MWD, STAB AZD (DINSITY) AND TNP (POROSITY), NON-MEG DRILL COLLAR, FILTER SUB. - SENSOR DISTANCES: BIT TO DIR SENSOR = 62.16', GAMMA = 32.42'.	
01.0	1900 - 2000	0-1	8 1/2	N	DRLG	HT	BHA	RIG	5351	5351					M/U 8-1/2" SMITH RR BIT (TYPE: MSDI616B SN# SM1048 ) WITH WFD MOTOR/MWD DIRECTIONAL ASSEMBLY. - SCRIBE TOOL FACING & PERFORM MWD SHALLOW TEST W/ 500 GPM @ 1475 PSI.	
00.8	2000 - 2045	0-1	8 1/2	N	DRLG	TI	STHDP	RIG	5351	5351	134	322			RIH W/ WFD MUD MOTOR ASSEMBLY ON HWDP, 2 X 5" HWDP, NOV DRILLING JARS, 3 X 5" HWDP,	
01.5	2045 - 2215	0-1	8 1/2	N	DRLG	TI	STDP	RIG	5351	5351	322	1072			RIH WITH WFD MUD MOTOR ASSY ON 24 X 5" DP TO 1072'	
02.0	2215 - 0015	0-1	8 1/2	N	DRLG	TI	SPHDP	RIG	5351	5351	1072	2467			CONT'D RIH W/ WFD MUD MOTOR ASSY ON 45 X 5" HWDP TO 2467'.	

02.2	0015 - 0230	0-1	8 1/2	N	DRLG	TI	STDP	RIG	5351	5351	2467	5322				CONT'D RIH WITH WFD MUD MOTOR ASSY ON 5" DP TO TOW @ 5322'.
00.5	0230 - 0300	0-1	8 1/2	N	DRLG	CIRC	MPMP	RIG	5351	5351						M/U TOP DRIVE, CALIBRATE MWD DEPTH AND ORIENT WFD BHA & TOOL ALL PARAMETERS. RUN FREELY THROUGH WINDOW BOW @ 5341' ODF, WINDOW SLICK-GOOD CONDITION, ESTABLISHED CIRCULATION, WASH TO BOTTOM @ 5341' ODF.
02.0	0300 - 0500	0-1	8 1/2	N	DRLG	DMS	MMOT	WDS	5351	5408						DRILL AHEAD 8-1/2" CURVE SECTION L-0-1 CURVE SECTION WITH WFD MTR/MWD ASSY WITH 84 PCF RHELIANT OBM WITH 100% CIRC.  - SWEEP HOLE WITH 25 BBL HI WEIGHTED HI-VIS SWEEPS EVERY 3 STD DRILLED OR AS REQUIRED. - WASH UP & REAM DOWN EVERY DRILLED STAND.  * SLIDING: 100%, ROTATING: 0%. * SLIDING FOOTAGE: 57 FT, ROTATING FOOTAGE: 0 FT.

## Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
<b>26 Feb 1100 - 1430</b>	<b>9.5</b>	<b>27.5</b>	<b>909525</b>		<b>TF</b>	<b>FOT</b>	<b>WPSTK</b>	<b>WWD</b>	<b>0</b>	<b>WEATHERFORD MILLS DID NOT FINISH 16' RAT HOLE IN 8.5" CURVE SECTION.</b>

\* NO ANCHORING RESTRICTED AT THIS LOCATION.

\* RIG HEADING 345 DEG.

\* WATER DEPTH: +/- 17'.

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\* ODF TO TUBING SPOOL DIST = 74'

\* RIG FLOOR TO TBG SPL DIST = 68.1' COF

\*\* CREW SHO

**\*\*TOW-5322'**

**\*\* BOW-5341'**

=====ARAMCO PERSONNEL=====

- CLERK PREM BAHADUR CH

— = — = — = — = —

**\*\* PRESENT L**

#### **\*\* NEXT WELL SEQUENCE**

-----

**\*\*NEXT WELL: SFNY-672**

**\*\*SEABED SURVEY - JAN-22-2023 CRM-SR 8800019226**

**\*\*RIGMOVE REQUEST - FEB-15-2023 RM2023-40084**

**\*\* DEBRIS REMOVAL-**

**\*\* RIG MOVE MEETING- REQUESTED- ON MARCH-07-20**

**\*\* PLATFORM DEPRESSURIZATION- MADE ON FEB-15-2023**

二

**\*\* SLS-1**

DRILL STRING	BHA Hrs:																	
	String Wt.	Pick Up	Slack Off		Rot. Torque			Jars:		/	Shock Sub:		/	Mud Motor:				
	195	210	190		6			Serial #/Hrs		/			/					
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
	1	Bit			SMT	8.5	1	8.5	3	0.74	4-1/2 REG					SM1048		
	2	Mud Motor			WDS	6.75	1	6.75	1.5	27.23	4-1/2 IF	4-1/2" REG				675-43668		
	3	Component Not listed			WDS	6.75	1	6.75	2	28.8						AK230099		
	4	Measurement While Drilling (MWD)			WDS	6.75	1	6.75	2	19.7						AK230098		
	5	Component Not listed			WDS	6.75	1	6.75	2	25.59						AK230100		
	6	Non Magnetic Drill Collar (NMDC)			WDS	6.75	1	6.75	1.5	29.94						700-33564		
	7	Filter Sub			WDS	6.75	1	6.75	1.5	2.88						16090498303		
	8	Heavy Weight Drillpipe (HWDP)			RIG	5	2	5	3	62								
	9	Hydraulic Jar			OJR	6.5	1	6.5	2.75	33								
	10	Heavy Weight Drillpipe (HWDP)			RIG	5	3	5	3	93								
	11	Drillpipe			RIG	5	24	5	4.276	750								
	12	Heavy Weight Drillpipe (HWDP)			RIG	5	45	5	3	1395								
	13	Drillpipe			RIG	5	1	5	4.276	31								
Miscellaneous	BOP Test		BOP Drills		Wind		Sea		Weather		DSLTA		Safety Meeting					
	02/12/2023		DAILY		16-18 KNOT		3-5 FT		TEMP-16 C, VIS: 5 NM				EVERY SHIFT					
Personnel and Services Information	Real-Time Data Quality			Sensors Quality			100%		Data Frequency		100%		Real-Time Hrs		11.49/24 hrs			
	COMPANY		FMC	GOS	WWD	RIG	EMC	SMI	NRT	WDS	BLH	ARM	MI2	ARM				
	CATEGORY		CSR	CTR G	WPSTK	RIG	DFMS	DFMS	HO	ISS	LHES	OTHR	SCS	WSC		Total 74		
	NO. OF PERSONS		1	12	1	47	1	1	1	4	2	1	1	2				
	OPERATING HRS.		0	0	10	24	12	12	0	24	0	12	24	24				
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24				
Trucks/Boats	Standby/Tankers																	
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX												
	0	925	1016	375	0	1470												
REPAIR ASAP	Instrumentation	OK	Other												Reporter			
	Computer, Communication & V-Sat Issues																	

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D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HMYM-432514 (DRILLING WELL AS GAS-UNCONVENTIONAL/DEVELOPMENT IN HMYM)</b> Charge #: <b>(87- 23710- 7762)</b> Wellbores: (0) HMYM_432514_0	Rig SP- <b>26</b> Foreman(s) Engineer Superintendent	<b>HARRIS, THOMAS ALAN/ ALAMR, MOHAMAD FAHAD/ QAHTANI, FARIS ABDULLAH/ DKANE, AWAD ALI</b>
		RIG FORMAN VSAT <b>576-3321</b>	CONTRACTOR/CLERK VSAT <b>576-3108</b>

Depth <b>552</b>	Last 24 hr operations <b>SPUD 22", CIRC, TOOH, RIH W/CSG, CMT, NU SOW.</b>	Next 24 hr plan <b>NU SOW &amp; DIVERTER, PU BHA, C/O CMT, DRILL 16" HOLE SECTION.</b>	Location <b>HALF MOON BAY TO UGAIR ROAD, LEFT 5 KM TO SKID RD, LEFT 11 KM SKID RD TO RIG</b>	Days Since Spud/Comm (Date) <b>1.0 (02/26/2023@0500)</b>	Formation tops <b>DMMM RUS</b>	<b>77 521</b>	<b>PER PROG PER PROG</b>
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Prev. Depth <b>0</b>	Liner Size	TOL	MD	TVD	Last Csg Size <b>18 5/8</b>	MD <b>552</b>	TVD <b>552</b>	Footage <b>552</b>	Circ % <b>100</b>
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Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
<b>00.0</b>	<b>0500 - 0500</b>	<b>0</b>		<b>S</b>	<b>OT</b>	<b>SPUD</b>	<b>NA</b>	<b>RIG</b>	<b>0</b>	<b>0</b>			<b>SPUD HMYM-432514 2/26/23 @ 0500 HRS.</b>			
<b>00.8</b>	<b>0500 - 0545</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>D</b>	<b>TDS</b>	<b>RIG</b>	<b>0</b>	<b>174</b>			<b>DRILL 22" HOLE SECTION W/65 PCF SPUD MUD &amp; 100% CIRCULATION.</b>			
<b>00.5</b>	<b>0545 - 0615</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>HT</b>	<b>BHA</b>	<b>RIG</b>	<b>174</b>	<b>174</b>			<b>PU &amp; MU 9-1/2" DC.</b>			
<b>00.5</b>	<b>0615 - 0645</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>D</b>	<b>TDS</b>	<b>RIG</b>	<b>174</b>	<b>259</b>			<b>DRILL 22" HOLE SECTION W/65 PCF SPUD MUD &amp; 100% CIRCULATION.</b>			
<b>00.5</b>	<b>0645 - 0715</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>HT</b>	<b>BHA</b>	<b>RIG</b>	<b>259</b>	<b>259</b>			<b>PU &amp; MU 8-1/2" DC W/XO.</b>			
<b>00.2</b>	<b>0715 - 0730</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>D</b>	<b>TDS</b>	<b>RIG</b>	<b>259</b>	<b>375</b>			<b>DRILL 22" HOLE SECTION W/65 PCF SPUD MUD &amp; 100% CIRCULATION.</b>			
<b>00.5</b>	<b>0730 - 0800</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>HT</b>	<b>BHA</b>	<b>RIG</b>	<b>375</b>	<b>375</b>			<b>PU &amp; MU 8-1/2" DC.</b>			
<b>00.2</b>	<b>0800 - 0815</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>D</b>	<b>TDS</b>	<b>RIG</b>	<b>375</b>	<b>463</b>			<b>DRILL 22" HOLE SECTION W/65 PCF SPUD MUD &amp; 100% CIRCULATION.</b>			
<b>00.5</b>	<b>0815 - 0845</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>HT</b>	<b>BHA</b>	<b>RIG</b>	<b>463</b>	<b>463</b>			<b>PU &amp; MU 8-1/2" DC.</b>			
<b>00.2</b>	<b>0845 - 0900</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>D</b>	<b>TDS</b>	<b>RIG</b>	<b>463</b>	<b>552</b>			<b>DRILL 22" HOLE SECTION W/65 PCF SPUD MUD &amp; 100% CIRCULATION.</b>			
<b>01.5</b>	<b>0900 - 1030</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>552</b>	<b>552</b>			<b>SWEEP &amp; CIRCULATE PER PROGRAM. *SPOT 200 BBL 75 PCF CSG GO PILL.</b>			
<b>00.2</b>	<b>1030 - 1045</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>SURV</b>	<b>GYRO</b>	<b>GCD</b>	<b>552</b>	<b>552</b>			<b>DROP GYRO.</b>			
<b>01.8</b>	<b>1045 - 1230</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>TO</b>	<b>BHA</b>	<b>RIG</b>	<b>552</b>	<b>552</b>	<b>552</b>	<b>0</b>	<b>TOOH W/22" BHA.</b>			
<b>01.0</b>	<b>1230 - 1330</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>HT</b>	<b>BHA</b>	<b>RIG</b>	<b>552</b>	<b>552</b>			<b>PJSM, LD 22" BHA. *RECOVER GYRO.</b>			
<b>01.5</b>	<b>1330 - 1500</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>CSG</b>	<b>HT</b>	<b>PEL</b>	<b>SPR</b>	<b>552</b>	<b>552</b>			<b>PJSM, RU SAPESCO CSG RUNNING EQUIP W/CRT.</b>			
<b>00.5</b>	<b>1500 - 1530</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>CSG</b>	<b>RCSG</b>	<b>CSTR</b>	<b>SPR</b>	<b>552</b>	<b>552</b>	<b>0</b>	<b>45</b>	<b>MU 18-5/8" SHOE TRACK. *18-5/8" #115 BTC WFD FLOAT SHOE. *1 X 18-5/8" #115 J-55 BTC FBE CSG. *18-5/8" #115 BTC WFD FLOAT COLLAR.</b>			
<b>02.2</b>	<b>1530 - 1745</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>CSG</b>	<b>RCSG</b>	<b>CTRQ</b>	<b>SPR</b>	<b>552</b>	<b>552</b>	<b>45</b>	<b>552</b>	<b>RIH W/18-5/8" CSG. *CENTRALIZE PER PROGRAM. *14 OF 14 18-5/8" #115 K-55 BTC FBE CSG. *WASH LAST JNT &amp; TAG BOTTOM.</b>			
<b>00.5</b>	<b>1745 - 1815</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>CSG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>552</b>	<b>552</b>			<b>CIRC 1 X CSG/HOLE VOL.</b>			
<b>00.5</b>	<b>1815 - 1845</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>CSG</b>	<b>CMC</b>	<b>CSG</b>	<b>SJC</b>	<b>552</b>	<b>552</b>			<b>PSJM, FLUSH CMT LINES &amp; MAIFOLD, RU CMT HEAD.</b>			
<b>03.5</b>	<b>1845 - 2215</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>CSG</b>	<b>CMC</b>	<b>CSG</b>	<b>SJC</b>	<b>552</b>	<b>552</b>			<b>SINGLE STAGE 18-5/8" CEMENT JOB. *PRESSURE TEST LINES TO 3000 PSI (OK). *TAQA PUMP 100 BBL FRESH WATER SPACER @ 6 BPM. *160 BBL 118 PCF "G" CEMENT @ 5 BPM. *DROP TOP PLUG (WITNESSED BY ARAMCO FOREMAN). *10 BBL 118 PCF "G" CEMENT @ 5 BPM. *30 BBL FRESH WATER SPACER @ 5 BPM. *RIG PUMP 110 BBL 65 PCF SPUD MUD @ 8 BPM. *BUMP PLUG W/500 PSI OVER FCP, HOLD FOR 15 MIN (OK). *BLEED OFF 2.3 BBLS, FLOAT HOLDING. *100% RETURNS &amp; GOOD CEMENT TO SURFACE.</b>			
<b>00.8</b>	<b>2215 - 2300</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>CSG</b>	<b>HT</b>	<b>PEL</b>	<b>SPR</b>	<b>552</b>	<b>552</b>	<b>0</b>	<b>0</b>	<b>RD CMT HEAD, FLUSH LINES, RD CMT LINE &amp; MANIFOLD. *RD SAPESCO CRT.</b>			
<b>01.0</b>	<b>2300 - 0000</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>CSG</b>	<b>WOC</b>	<b>CSG</b>	<b>SJC</b>	<b>552</b>	<b>552</b>			<b>CLEAN CELLAR &amp; INSTALL 4 X SUPPORTS 2" BELOW</b>			

## **\*\*OBJECTIVE\*\***

HMYM-432514 IS THE 2ND SLOT ON PAD HMYM-4325 TO BE DRILLED BY RIG SP-26 AS A HORIZONTAL DEVELOPMENT TIGHT GAS WELL TARGETING TUWAIQ MOUNTAIN B SOURCE ROCKS (TQMB) BELOW THE HIGH GR ZONE. THE WELL IS PLANNED TO BE LANDED AT 24' TVD BELOW THE TOP OF TQMA AND DRILL TO TD OF 17,866 FT. (MD)/ 10,161 FT. (TVD) WITH A TOTAL LATERAL LENGTH OF 7,010 FT AT 167 DEGREE AZIMUTH. THE WELL WILL BE COMPLETED WITH 5-1/2" CEMENTED LONG STRING MONO-BORE COMPLETION.

**\*\*JOURNEY MANAGEMENT\*\***

**PRIOR TO EXITING BLACKTOP ONTO SKID ROAD ALL MUST CALL ARAMCO CLERK @ 013-576-3108.  
PROVIDE NAME OF COMPANY, NUMBER OF PERSONNEL, COLOR OF VEHICLE & EMERGENCY CONTACT.  
NIGHT DRIVING IS NOT RECOMMENDED & SPECIAL PRECAUTIONS MUST BE FOLLOWED.**

ARAMCO PDP FAISAL ALABDULRAHMAN # 817156 ON LOCATION 2/17/2023.  
ARAMCO MATERIAL EXPEDITOR IBRAHIM KHALED AL-NOAIMY # 8520899 ON LOCATION 2/20/2023.  
ARAMCO URDD FCT MOHAMMED ALHARBI # 795277 ON LOCATION 2/21/2023  
ARAMCO HSE ADVISOR ZULFIQAR ALI # 8069065 ON LOCATION SINCE 02/23/2023.

#### **DRILLS: N/A.**

**NEXT CSG POINT: 13-3/8" @ 4897'.**

## Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
0	532	1.19	105.28	76	531.97	-1.33	4.88	-1.33	0.54
0	456	0.79	110.55	110	455.98	-0.94	3.63	-0.94	0.33
0	346	0.43	109.23	76	345.99	-0.54	2.53	-0.54	0.05
0	270	0.47	108.40	93	269.99	-0.34	1.96	-0.34	0.26
0	177	0.61	87.23	62	177	-0.25	1.10	-0.25	0.37
0	115	0.53	108.82	115	115	-0.17	0.50	-0.17	0.46

MUD DATA	Weight 65 PCF	Funnel Vis. 76 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 15	YP 31	Electrical Stability 0 Volts	3/6 RPM 14 / 16	Gels Sec/Min 16 / 26	PH 9.6	CA PPM 0	CL PPM 3700
	FL Temp 100	Cake HTHP 0	Cake API 0	Water Vol.% 96	Oil Vol.% 0	Solids Vol.% 4	Sand Vol. % 0	% LGS 3.8	MBT 25	Mud type SPUD	Water Well # HMYM-844	
	Weight 67 PCF	Funnel Vis. 83 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 15	YP 34	Electrical Stability 0 Volts	3/6 RPM 15 / 17	Gels Sec/Min 17 / 28	PH 9.4	CA PPM 0	CL PPM 3700
	FL Temp 0	Cake HTHP 0	Cake API 0	Water Vol.% 96	Oil Vol.% 0	Solids Vol.% 4	Sand Vol. % 0	% LGS 3.1	MBT 22.5	Mud type SPUD	Water Well # HMYM-844	

MUD TREATMENT	NUTPLUG 90(55LB)	BARITE 3(5000L)	BAROFIBRS 168(25LB)	BAROFIBER 112(25LB)	BENT 37(2500L)	MARBLE- CRSE 2(2300L)	MRBL- M 2(2300L)	CAUST 20(25KG)	CONDET 2(5GL)	ENVIROTHIN 30(50LB)	SODASH 12(50KG)	XC 10(55LB)
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BIT DATA	Z(2200L)										Z(2200L)					
	Bit Number	IADC	Size	Manufacturer	Serial Number		Type		Jets		TFA	MD In	MD Out	TVD Out		
	1RR	435	22	HTC	838382		VGAC310H / 4 X 16 / 0.785		0		552					
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
	60	120	1	1	WT	A	E	0	400	700	287	37.81	41.67	260		

	Float	Y													
BHA Hrs:	2														
String Wt.	Pick Up	Slack Off	Rot. Torque			Jars:	/	Shock Sub:	/	Mud Motor:	/				
150	150	150	12000			Serial #/Hrs	/	/	/	/	/				
Order	Component		Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #	
1	Bit		HTC	22	1	22		1.8	7-5/8" REG						838382
2	Near Bit Roller Reamer		RIG	22	1	22	3	7.82	7-5/8"	7-5/8"					2020004

DRILL STRING	3	Shock Sub	OJR	12	1	12	3	12.31	REG 7-5/8" REG	REG 7-5/8" REG		ST12000054	
	4	Pony Collar	RIG	9.5	1	9.5	3	14.59	7-5/8" REG	7-5/8" REG		56008	
	5	Roller Reamer	RIG	22	1	22	3	7.54	7-5/8" REG	7-5/8" REG		201409805	
	6	Drillcollar	RIG	9.5	5	9.5	3	153.88	7-5/8" REG	7-5/8" REG		FILE	
	7	Crossover	RIG	9.5	1	9.5	3	2.36	6-5/8" REG	7-5/8" REG		1606048	
	8	Drillcollar	RIG	8.5	9	8.5	3	276.56	6-5/8" REG	6-5/8" REG		FILE	
	9	Crossover	RIG	8.5	1	8.5	3	2.6	XT-54	6-5/8" REG		15666812	
	10	Heavy Weight Drillpipe (HWDP)	RIG	5.5	2	5.5	3.25	61.11	XT-54	XT-54		FILE	
	11	Drillpipe	RIG	5.5	1	5.5	4	31.31	XT-54	XT-54		FILE	
	BOP Test	BOP Drills	Wind LOW	Sea N/A	Weather SEASONAL	DSLTA	Safety Meeting 2 X PRE TOUR						
Miscellaneous	Real-Time Data Quality	Sensors Quality	99%	Data Frequency	100%	Real-Time Hrs	10.74/24 hrs						
Personnel and Services Information	COMPANY	SPR	HTD	TGC	ND1	RIG	BAR	GEI	RIG	ARM	SJC	ARM	Total 117
	CATEGORY	CSR	CSV	CTR G	DPDS	RIG	DFMS	ISPCT	OTHR	OTHR	PCS	WSC	
	NO. OF PERSONS	4	3	14	3	65	12	4	4	3	3	2	
	OPERATING HRS.	6	4	0	0	24	24	12	12	12	6	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers <b>DH-3085</b>												
BULK	Drill Wtr -BBLS	Pot Wtr - BBLS	Fuel- BBLS <b>458</b>	Barite- SX <b>362</b>	Bentonite - SX <b>71</b>	Cement G- SX <b>3100</b>							
REPAIR ASAP	Instrumentation	Other											Reporter
	Computer, Communication & V-Sat Issues												

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HMYM-531604 (GAS PRODUCER)</b> Charge #: <b>(87- 22710- 7647)</b> Wellbores: (0) HMYM_531604_0	Rig <b>SP-27</b>	Foreman(s) <b>ABOUB, AZZEDINE/ YASIN, AHMED NASR/ BERROUBA, TOUFIK/ SINESI, JOHN PATRICK/ ALJINDAN, KHALID ADEL/ BIN LEBDAH, SALMAN FAISAL</b>
Engineer	Superintendent	THURAYA <b>008821677711079</b>	RIG FORMAN VSAT <b>0135763328</b>
		CONTRACTOR/CLERK VSAT <b>0135763323</b>	

Depth <b>0</b>	Last 24 hr operations <b>GENERAL R/D ON THRY-974002 AND MOVE TO NEW LOCATION HMYM-531604.</b>	Next 24 hr plan <b>GENERAL R/D ON THRY-974002 AND R/U &amp; MOVE TO NEW LOCATION HMYM-531604.</b>	Location <b>TAKE HALF MOON ROAD, TURN RIGHT THROUGH BRIDGE TOWARD KHUFFUF THEN TURN LEFT THROUGH 17KM SKID ROAD.</b>	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops
Prev. Depth <b>0</b>	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ % <b>0</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
24.0	0500 - 0500	0		N	RM	RM	NA	RIG	0	0			<b>HPJSM WITH ALL RIG CREW, DISCUSSED RIG MOVE OPERATION, CRITICAL LIFT PLAN, PTW &amp; JSA.</b>  <b>GENERAL R/D ON THRY-974002 AND R/U &amp; MOVED TO HMYM-531604.</b> <b>HPJSM WITH ALL RIG CREW, DISCUSSED RIG MOVE OPERATION, CRITICAL LIFT PLAN, PTW &amp; JSA.</b>  <b>&gt; DISMANTLED THE MAST.</b> <b>&gt; DISASSEMBLE SUBSTRUCTURE -ON GOING-</b> <b>&gt; DISCONNECT ELECTRIC CABLE - ON GOING-</b> <b>&gt; R/D DRAW WORK.</b> <b>&gt; R/D &amp; MOVE MAIN CAMP.</b> <b>&gt; CONTINUED MOVING CHEMICALS AND RIG ACCESSORIES.</b> <b>&gt; R/D RIG FLOOR PLATE AND DOGHOUSE.</b> <b>&gt; R/UP MUD TANKS-ON GOING-.</b> <b>&gt; MOVED MISCELLANOUS LOADS.</b>  <b>REMARKS:</b> <b>&gt; R/D: 40%, R/M: 45% &amp; R/U: 10%.</b> <b>&gt; MOVED LOADS: 115/255.</b>  <b>RM PERSONNEL &amp; EQUIPMENTS:</b> <b>2 X RIGGER-1,</b> <b>3 X TRUCK PUSHERS,</b> <b>1 X FORKLIFTS,</b> <b>5 X CRANES,</b> <b>17 X LOW BED TRUCKS &amp; 5 X HIGH BED TRUCKS.</b>

#### ===== WELL OBJECTIVE =====

HMYM-531604 IS THE 1ST SLOT ON PAD HMYM-5316 TO BE DRILLED BY RIG SP-27 AS A HORIZONTAL DEVELOPMENT TIGHT GAS WELL TARGETING TUWAIQ MOUNTAIN SOURCE ROCKS RERSERVOIR B (TQMB) BELOW THE HIGH GR ZONE. THE WELL IS PLANNED TO LAND AT +/- 24

FT. INSIDE TQMA FORMATION AND DRILL TO TD OF 18,575 FT. (MD)/ 10,511 FT. (TVD) WITH A TOTAL LATERAL LENGTH OF 7,304 FT AT 347- DEGREE AZIMUTH. THE WELL WILL BE COMPLETED WITH 5-1/2" CEMENTED LONG STRING MONO-BORE COMPLETION. THE TOTAL PLANNED DURATION FROM SPUD TO RIG RELEASE IS 21 DAYS.

#### ===== JOURNEY MANAGEMENT =====

CALL SP-27 RIG OFFICE AT 013-576-3328 OR ARAMCO RIG CLERK AT 013-576-3323 PRIOR TO TURNING OFF MAIN ROAD.  
 PROVIDE RIG OFFICE- NAME OF COMPANY, NUMBER OF PERSONNEL, COLOR OF VEHICLE AND EMERGENCY CONTACT NUMBER OF BASE PERSONNEL. \*\* NIGHT DRIVING IS NOT RECOMMENDED.

#### ===== ARAMCO PERSONNEL =====

> ARAMCO FOREMAN AHMED CHOUCHA # 8309001 ATTENDING WELL CONTROL COURSE IN DHARAHAN.  
 > ARAMCO FOREMAN TOUFIK BERROUBA #8570002 ON LOCATION SINCE 02/22/2023.  
 > ARAMCO MATERIAL EXPEDITER OMAR ALOMAIR #8519333 ON LOCATION SINCE 02/22/2023.  
 > ARAMCO PDP MANSOUR ALTUBAYYEB #821081 ON LOCATION SINCE 02/19/2023.

#### ===== HSE REPORT =====

> NEAR MISS: NONE.

> DRILLS: NONE.

===== DIESEL REPORT =====

> DAILY DIESEL CONSUMPTION FOR RIG ENGINES: 32.60 BBLS /CAMP ENGINES: 5.54 BBLS / TOTAL: 76.28 BBLS FOR THRY-531604.

===== WELLSITE TRUCKS =====

> 1 X AL FUALIEH SPRAY TANKER PLATE # VDB 5828.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
MUD DATA									
MUD TREATMENT									
BIT DATA									
DRILL STRING									
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #									
Miscellaneous	BOP Test	BOP Drills	Wind <b>NORMAL</b>	Sea <b>N/A</b>	Weather <b>SEASONAL</b>	DSLTA	Safety Meeting <b>2 PRE-TOUR SAFETY MEETINGS</b>		
	Real-Time Data Quality					No Transmission			
Personnel and Services Information	COMPANY	<b>TGC</b>	<b>RIG</b>	<b>BAR</b>	<b>RIG</b>	<b>ARM</b>	<b>OTH</b>	<b>ARM</b>	
	CATEGORY	<b>CTRG</b>	<b>RIG</b>	<b>DFMS</b>	<b>OTHR</b>	<b>OTHR</b>	<b>VAC</b>	<b>WSC</b>	
	NO. OF PERSONS	<b>13</b>	<b>64</b>	<b>4</b>	<b>45</b>	<b>2</b>	<b>1</b>	<b>3</b>	Total <b>132</b>
	OPERATING HRS.	<b>0</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>12</b>	<b>10</b>	<b>24</b>	
	ON LOCATION HRS.	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	
Trucks/Boats	Standby/Tankers <b>DH-7549</b>								
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>112</b>	Barite- SX <b>56</b>	Bentonite - SX <b>2</b>	Cement G- SX <b>0</b>			
REPAIR ASAP	Instrumentation	Other							Reporter
	Computer, Communication & V-Sat Issues								

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D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HZEM-163202 (HORIZONTAL DEVELOPMENT WELL)</b> Charge #: <b>(87- 22541- 7725)</b> Wellbores: (0) HZEM_163202_0	Rig <b>SP- 29</b> Foreman(s) <b>DICKIN, RYAN TODD/ CHEFFAH, SALIM/ ALMULHIM, BADER ABDULMOHSEN/</b> Engineer Superintendent <b>DKANE, AWAD ALI</b>		
		THURAYA <b>008821677714168</b>	RIG FORMAN VSAT <b>0135763306</b>	CONTRACTOR/CLERK VSAT <b>0135763309</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>580</b>	<b>R/U ON HZEM-163202. SPUD. DRILLED 28" HOLE. CHC. DROPPED GYRO. POOH. RAN AND CEMENTED 24" CASING.</b>	<b>CMT 24". WOC. PU AND RIH 22" BHA. DRILL 22" HOLE TO TD. CHC. SPOT CASING GO PILL AT BOTTOM. POOH TO SURFACE. RUN 18-5/8" CASING.</b>	<b>90 KM FROM HAFOUF ON SALWA ROAD INTO HZEM MAIN SKID ROAD FOLLOW RIG SIGNS( 25 KM SKID ROAD)</b>	<b>0.9</b> (02/26/2023@0800)	

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
					<b>24</b>	<b>580</b>		<b>580</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
<b>03.0</b>	<b>0500 - 0800</b>	<b>0</b>			<b>M</b>	<b>RM</b>	<b>RM</b>	<b>NA</b>	<b>RIG</b>	<b>0</b>	<b>0</b>		<b>HPJSM. COMPLETED RIG UP. MADE UP 28" BHA. HELD H2S DRILL. COMPLETED ARAMCO PRE SPUD CHECKLIST. CONDUCTED FINAL WALK AROUND. CONDUCTED PRE-SPUD MEETING.</b>
<b>00.0</b>	<b>0800 - 0800</b>	<b>0</b>			<b>S</b>	<b>OT</b>	<b>SPUD</b>	<b>NA</b>	<b>RIG</b>	<b>0</b>	<b>0</b>		<b>SPUDED HZEM-163202 ON 01/22/2023@09:00 HOURS.</b>
<b>01.2</b>	<b>0800 - 0915</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>DRLG</b>	<b>D</b>	<b>TDS</b>	<b>RIG</b>		<b>0</b>	<b>135</b>		<b>ROTARY DRILLED 28" HOLE SECTION WITH 65 PCF MUD &amp; 100% CIRCULATION.</b>
<b>00.8</b>	<b>0915 - 1000</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>DRLG</b>	<b>HT</b>	<b>BHA</b>	<b>RIG</b>		<b>135</b>	<b>135</b>		<b>RACKED BACK KELLY STAND AND MADE DRILL COLLAR CONNECTION.</b>
<b>01.0</b>	<b>1000 - 1100</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>DRLG</b>	<b>D</b>	<b>TDS</b>	<b>RIG</b>		<b>135</b>	<b>225</b>		<b>ROTARY DRILLED 28" HOLE SECTION WITH 65 PCF MUD &amp; 100% CIRCULATION.</b>
<b>00.8</b>	<b>1100 - 1145</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>DRLG</b>	<b>HT</b>	<b>BHA</b>	<b>RIG</b>		<b>225</b>	<b>225</b>		<b>RACKED BACK KELLY STAND AND MADE DRILL COLLAR CONNECTION.</b>
<b>01.2</b>	<b>1145 - 1300</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>DRLG</b>	<b>D</b>	<b>TDS</b>	<b>RIG</b>		<b>225</b>	<b>320</b>		<b>ROTARY DRILLED 28" HOLE SECTION WITH 65 PCF MUD &amp; 100% CIRCULATION.</b>
<b>00.5</b>	<b>1300 - 1330</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>DRLG</b>	<b>HT</b>	<b>BHA</b>	<b>RIG</b>		<b>320</b>	<b>320</b>		<b>RACKED BACK KELLY STAND AND MADE DRILL COLLAR CONNECTION.</b>
<b>03.0</b>	<b>1330 - 1630</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>DRLG</b>	<b>D</b>	<b>TDS</b>	<b>RIG</b>		<b>320</b>	<b>580</b>		<b>ROTARY DRILLED 28" HOLE SECTION WITH 65 PCF MUD &amp; 100% CIRCULATION.</b>
<b>01.5</b>	<b>1630 - 1800</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>		<b>580</b>	<b>580</b>		<b>PUMPED SWEEP AND CIRCULATED HOLE CLEAN. SPOTTED 250 BBL HI-VIS.</b>
<b>00.5</b>	<b>1800 - 1830</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>DRLG</b>	<b>SURV</b>	<b>GYRO</b>	<b>SCD</b>		<b>580</b>	<b>580</b>		<b>DROPPED GYRO.</b>
<b>00.5</b>	<b>1830 - 1900</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>DRLG</b>	<b>RR</b>	<b>TDS</b>	<b>RIG</b>		<b>580</b>	<b>580</b>		<b>SERVICED TDS.</b>
<b>02.8</b>	<b>1900 - 2145</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>DRLG</b>	<b>TO</b>	<b>BHA</b>	<b>RIG</b>		<b>580</b>	<b>580</b>	<b>0</b>	<b>POOH WITH 28" ROTARY BHA. RECOVERED GYRO TOOL. LAYED DOWN REAMERS, SHOCK SUB AND BIT .</b>
<b>01.5</b>	<b>2145 - 2315</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>CSG</b>	<b>HT</b>	<b>PEL</b>	<b>BCR</b>		<b>580</b>	<b>580</b>		<b>HELD PJSM.RIGGED UP CASING EQUIPMENT.</b>
<b>01.5</b>	<b>2315 - 0045</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>CSG</b>	<b>RCSG</b>	<b>CSTR</b>	<b>BCR</b>		<b>580</b>	<b>580</b>	<b>0</b>	<b>MADE UP 24" CASING SHOE TRACK, TESTED FLOATS WITH WATER, TACK WELDED &amp; BAKER LOCKED FIRST 4 JOINTS.</b>
<b>02.0</b>	<b>0045 - 0245</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>CSG</b>	<b>RCSG</b>	<b>CTRQ</b>	<b>BCR</b>		<b>580</b>	<b>580</b>	<b>120</b>	<b>RIH 24" CASING, X-42 JV-LW, #176. *14 JOINTS OF TOTAL 14 JOINTS.</b>
<b>01.0</b>	<b>0245 - 0345</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>CSG</b>	<b>HT</b>	<b>PEL</b>	<b>RIG</b>		<b>580</b>	<b>580</b>		<b>RIGGED UP CIRCULATING HEAD &amp; SURFACE LINES.</b>
<b>01.0</b>	<b>0345 - 0445</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>PA</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>		<b>580</b>	<b>580</b>		<b>CIRCULATED AND CONDITIONED MUD.</b>
<b>00.2</b>	<b>0445 - 0500</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>CSG</b>	<b>CMC</b>	<b>CSG</b>	<b>SJC</b>		<b>580</b>	<b>580</b>		<b>HPJSM. PRESSURE TESTED LINES TO 3000 PSI. CEMENTED 24" CASING(ON GOING).</b>

HZEM-163202 IS THE SACOND WELL ON PAD HZEM-1632 PAD TO BE DRILLED BY RIG SP-29 AS A HORIZONTAL DEVELOPMENT TIGHT GAS WELL TARGETING TUWAIQ MOUNTAIN SOURCE ROCKS RESERVOIR B (TQMB) BELOW THE HIGH GR ZONE. THE WELL IS PLANNED TO LAND AT +/- 11,582 FT MD INSIDE 17 FT TQMA FORMATION AND DRILL TO TD OF 18,491 FT. (MD) 10,796 FT (TVD) WITH A TOTAL LATERAL LENGTH OF 6,900 FT AT 347 DEGREE AZIMUTH. THE WELL WILL BE COMPLETED WITH 5-1/2" CEMENTED LONG STRING MONO-BORE COMPLETION. THE TOTAL PLANNED DURATION FROM SPUD TO RIG RELEASE IS 24 DAYS.

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NEW ARAMCO FOREMAN NURLY MUKYSHEV ID#8587868 ON LOCATION SINCE (02/09/2023).  
 NEW ARAMCO FOREMAN MORSLI LAHCENE ID#8590021 ON LOCATION SINCE (02/22/2023).

**NEXT CASING POINT 24" AT 580'.**

**RECORDED NEAR MISS: 4479917**

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
0	531	0.51	148.91	72	440.99	-2.06	0.31	-2.06	0.1
0	459	0.45	153.95	92	369	-1.53	0.02	-1.53	0.31
0	367	0.29	192.72	92	277	-0.98	-0.09	-0.98	0.2
0	275	0.23	232.52	92	185	-0.64	0.11	-0.64	0.32
0	183	0.25	155.61	93	93	-0.35	0.17	-0.35	0.03
0	90	0.23	150.84	0	0	0.00	0.00	0	0

MUD DATA																																																																																															
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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HMYM-462502 (HORIZONTAL DEVELOPMENT TIGHT GAS WELL TARGETING TUWAIQ MOUNTAIN SOURCE ROCKS RESERVOIR (TQMB))</b> Charge #: <b>(87- 22710- 7721)</b> Wellbores: (0) HMYM_462502_0	Rig <b>SP-30</b> Foreman(s) <b>PRIMBETOV, TALGAT/ SINESI, JOHN PATRICK/ ALJINDAN, KHALID ADEL/ BIN LEBDAH, SALMAN FAISAL</b> Engineer Superintendent	
		RIG FORMAN VSAT <b>576-3144</b>	CONTRACTOR/CLERK VSAT <b>576-3143</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>6630</b>	<b>DRILL 12" HOLE/L/D 12" SLB MOTOR BHA, RETRIEVE SECTION, CHC, WB, JET WH, RIG UP CRT, FMH DUMMY POH &amp; RUN 9-5/8" CASING.</b>		<b>HALF MOON BAY TO UQAIR ROAD, LEFT 5 KM TO SKID RD, LEFT 12 KM SKID RD TO RIG</b>	<b>8.1 (02/19/2023@0300)</b>	<b>RUS 581 2' HIGH UERR 937 1 FT DEEPER ARUM 2065 1 FT HIGH LAMS 2359 1 FT HIGH AHMD 4800 1 FT DEEPER DMMM 178 5' HIGH SFNY 5208 15 FT DEEPER SHUB 6003 2 FT DEEPER BYDH 6314 3 FT HIGH</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
					<b>13 3/8</b>	<b>4878</b>	<b>4878</b>	<b>1737</b>	<b>0</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
08.5	0500 - 1330	0	12	N	DRLG	DMR	HTMTR	WDS	4893	6142			WFD MOTOR DRILL 12" SECTION WITH 70 PCF NACL MUD & 100% CIRCULATION. > LOST RETURN AT 6,142 FT.
02.5	1330 - 1600	0	12	N	DRLG	DMR	HTMTR	WDS	6142	6290			WFD MOTOR DRILL 12" SECTION WITH MOTF 67 PCF NACL POLYMER MUD AND NO RETURNS >KEEP PUMPING MUD CAP 85 PCF AT 1 BPM FROM BACK SIDE.
00.5	1600 - 1630	0	12	N	DRLG	OTH	NA	RIG	6290	6290			PERFORMED ECHOMETER TRIAL TEST TO DETECT FLUID LEVEL IN ANNULUS WHILE NO RETURN OPERATIONS PER AMANA ENGINEER.
02.8	1630 - 1915	0	12	N	DRLG	DMR	HTMTR	WDS	6290	6404			WFD MOTOR DRILL 12" SECTION WITH MOTF 67 PCF NACL POLYMER MUD AND NO RETURNS >KEEP PUMPING MUD CAP 85 PCF AT 1 BPM FROM BACK SIDE.
00.5	1915 - 1945	0	12	N	DRLG	CIRC	MPMP	RIG	6404	6404			RECYCLE MUP PUMPS. ATTEMPT TO RESTORE MWD SIGNAL, NO SUCCESS. DECISION MADE TO DRILL 300 FT INTO BYDH FOR CSG POINT.
03.5	1945 - 2315	0	12	N	DRLG	DMR	MMOT	WDS	6404	6630			WFD MOTOR DRILL 12" SECTION WITH MOTF 67 PCF NACL POLYMER MUD AND NO RETURNS >KEEP PUMPING MUD CAP 85 PCF AT 1 BPM FROM BACK SIDE.
01.8	2315 - 0100	0	12	N	DRLG	CIRC	MPMP	RIG	6630	6630			PUMP HI-VIS PILLS & CIRCULATE HOLE CLEAN WITH NO RETURNS. > SPOT 150 BBL 100 PCF CSG GO PILL. > KEEP PUMPING MUD CAP 85 PCF AT 1 BPM FROM BACK SIDE.
01.5	0100 - 0230	0	12	N	DRLG	TO	STDP	RIG	6630	6630	6630	4893	POH ON ELEVATOR WITH 12" WFD MOTOR BHA IN OPEN HOLE TO 13-3/8" CSG SHOE. > PUMPING MUD CAP 85 PCF AT 1 BPM FROM BACK SIDE
02.5	0230 - 0500	0	12	N	DRLG	TO	STDP	RIG	6630	6630	4893	513	POH WITH 12" WFD MOTOR BHA IN CASED HOLE.... @RT > PUMPING MUD CAP 85 PCF AT 1 BPM FROM BACK SIDE

HMYM-462502 IS THE 3RD WELL TO BE DRILLED ON HMYM-4627 PAD. THIS WELL WILL BE DRILLED AS A SINGLE LATERAL UNCONVENTIONAL GAS WELL TARGETING LOWER TUWAIQ MOUNTAIN TIGHT RESERVOIR. THE WELL TD IS AT +/- 18,322' MD / 10,122' TVD WITH +/- 7,309' FT HORIZONTAL LATERAL. THE WELL WILL BE COMPLETED WITH 5-1/2", 26 PPF, LONG STRING COMPLETION.

#### ARAMCO PERSONNEL:

- ARAMCO FOREMAN NADJIB BOUNAB ID# 8575469 ON LOCATION SINCE 2/2/2023
- NEW ARAMCO FOREMAN MOHAMED BENLARBI ID#8587487 ON LOCATION SINCE 2/8/2023
- NEW ARAMCO FOREMAN HAMZA BRELLAH #8588592 ON LOCATION SINCE 2/15/2023
- ARAMCO MATERIAL EXPEDITOR AHMAD AL WOEHIMED ID# 8553343 SINCE 2/22/2023
- AMANA ENGINEER TO PERFORM ECHOMETER TRIAL TEST OF LIQUID LEVEL WHILE NO RETURN OP'S SINCE 2/25/2023

#### SAFETY REMARKS:

> 2 X STOP WORK AUTHORITY

> DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP): DAILY 60 BBLS, TOTAL 554 BBLS FOR HMYM-462502.

> 1 X WATER SPRAYER TANKER.

#### Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
0	6238	0.44	277.80	95	6237.08	-69.33	26.75	-69.33	0.13
0	6143	0.51	265.84	95	6142.09	-69.35	27.54	-69.35	0.08
0	6048	0.49	274.72	95	6047.09	-69.35	28.36	-69.35	0.08
0	5953	0.45	266.94	95	5952.09	-69.36	29.14	-69.36	0.09
0	5858	0.45	255.52	95	5857.1	-69.25	29.87	-69.25	0.2
0	5763	0.26	248.85	95	5762.1	-69.08	30.44	-69.08	0.15
0	5668	0.22	216.65	95	5667.1	-68.85	30.75	-68.85	0.24
0	5573	0.44	208.44	95	5572.1	-68.39	31.03	-68.39	0.14
0	5478	0.31	214.99	95	5477.1	-67.86	31.35	-67.86	0.1
0	5383	0.40	217.42	95	5382.11	-67.38	31.70	-67.38	0.17

0	5288	0.28	199.09	98	5287.11	-66.90	31.98	-66.9	0.05									
0	5190	0.33	199.15	94	5189.11	-66.41	32.15	-66.41	0.17									
0	5096	0.17	192.34	95	5095.11	-66.01	32.27	-66.01	0.35									
0	5001	0.50	179.55	264	5000.11	-65.46	32.29	-65.46	0.06									
MUD DATA	Weight 67 PCF	Funnel Vis. 36 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 7	YP 7	Electrical Stability 0 Volts	3/6 RPM 1 / 2	Gels Sec/Min 1 / 2									
	FL Temp 0	Cake HTHP 0	Cake API 0	Water Vol. % 96	Oil Vol. % 0	Solids Vol. % 4	Sand Vol. % 0	% LGS 0.3	MBT 0									
	Weight 72 PCF	Funnel Vis. 50 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 16	YP 28	Electrical Stability 0 Volts	3/6 RPM 10 / 12	Gels Sec/Min 10 / 13									
	FL Temp 130	Cake HTHP 0	Cake API 1	Water Vol. % 91	Oil Vol. % 0	Solids Vol. % 9	Sand Vol. % 0.1	% LGS 3.8	MBT 7.5									
	Weight 70 PCF	Funnel Vis. 55 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 15	YP 26	Electrical Stability 0 Volts	3/6 RPM 9 / 11	Gels Sec/Min 9 / 12									
	FL Temp 95	Cake HTHP 0	Cake API 1	Water Vol. % 97	Oil Vol. % 0	Solids Vol. % 3	Sand Vol. % 0.1	% LGS 1.7	MBT 0									
	Weight 85 PCF	Funnel Vis. 64 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 22	YP 22	Electrical Stability 0 Volts	3/6 RPM 9 / 10	Gels Sec/Min 9 / 13									
	FL Temp 0	Cake HTHP 0	Cake API 1	Water Vol. % 84.5	Oil Vol. % 0	Solids Vol. % 15.5	Sand Vol. % 0	% LGS 1.2	MBT 0									
MUD TREATMENT	NEWDRILSTK 1(25LB)	SODASH 32(50KG)	XC 37(25KG)	DRILL ZONE 17(55GL)	MARBLE- FINE 1(55GL)	MRBL- M 5(55LB)	CONDET 37(50LB)	ENVIROTHIN BFIBRE-SF 128(25LB)	CLAYSYNC 174(50LB)	BENT 1(2500L)	CAUST 59(25KG)	BARITE 8(5000L)	DEXT 162(25KG)	CLAYSEAL 20(55GL)	NACL 171(2200L)			
BIT DATA	Bit Number 3RR	IADC S423	Size 12	Manufacturer SMT	Type SM2523	Serial Number SSIZ516V1C / 4 X 13 / 4 X 14	Jets 1.12	TFA 4893	MD In 6630	MD Out								
	Feet 45	Hours 100	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP		
											1800	1000	287	215.47	341.6	384		
DRILL STRING	Float Y	BHA Hrs: 0																
	String Wt. 322	Pick Up 327	Slack Off 315	Rot. Torque 322				Jars: Serial #/Hrs				/	Shock Sub:		/	Mud Motor:	/	
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
	1	Bit			SMT	12	1	12	0	1.08	6-5/8" REG					SM2523		
	2	Mud Motor			WDS	9.625	1	9.625	2.25	34.2	6-5/8 REG	6-5/8 REG				930-4006		
	3	Roller Reamer			RIG	12	1	12	2.75	6.37	6-5/8 REG	6-5/8 REG				2020501-2B		
	4	Drillcollar			RIG	8.5	1	8.5	2.37	30.78	6-5/8 REG	6-5/8 REG				2003845		
	5	Roller Reamer			RIG	12	1	12	2.75	6.37	6-5/8 REG	6-5/8 REG				2022050101		
	6	Crossover			WDS	8.5	1	8.5	1.5	2.56	7 5/8 REG	6-5/8 REG				216114-5D		
	7	Non Magnetic Drill Collar ( NMDC )			WDS	9.5	2	9.5	4	59.09	7 5/8 REG	7 5/8 REG				ON FILES		
	8	Measurement While Drilling ( MWD )			WDS	9.5	1	9.5	2.75	19.91	7 5/8 REG	7 5/8 REG				AK23105PDBK		
	9	Non Magnetic HWDP			WDS	9.5	3	9.5	4	68.91	7 5/8 REG	7 5/8 REG				ON FILES		
	10	Filter Sub			WDS	9.5	1	9.5	1.5	3.26	7 5/8 REG	7 5/8 REG				16228810-01		
	11	Crossover			WDS	8.5	1	8.5	1.5	2.53	6 5/8 REG	7 5/8 REG				216114-6A		
	12	Drillcollar			RIG	8.5	12	8.5	2.81	371.7	6 5/8 REG	6 5/8 REG				ON FILES		
	13	Crossover			RIG	8.25	1	8.25	3	1.97	6-5/8 FH	6 5/8 REG				2206698		
	14	Heavy Weight Drillpipe ( HWDP )			RIG	6.625	6	6.625	4	182.13	6-5/8 FH	6-5/8 FH				ON FILES		
	15	Crossover			RIG	8	1	8	3	1.96	XT-54	6-5/8 FH				2206655		
	16	Heavy Weight Drillpipe ( HWDP )			RIG	5.5	15	5.5	3.25	459.5	XT-54	XT-54				ON FILES		
	17	Drillpipe			RIG	5.5	0	5.5	4.67	0	XT-54	XT-54				ON FILES		
Miscellaneous	BOP Test 02/25/2023	BOP Drills 02/25/2023			Wind MEDIUM		Sea COLD		Weather DSLTA		Safety Meeting X2 DAILY							
	Real-Time Data Quality				Sensors Quality			98%	Data Frequency		100%	Real-Time Hrs		11.49/24 hrs				
Personnel and Services Information	COMPANY		TGC	WDS	RIG	BAR	SNS	RIG	ARM	SJC	ARM	CAM				Total 110		
	CATEGORY		CTR G	DPDS	RIG	DFMS	H2S	OTHR	OTHR	PCS	WSC	WHES						
	NO. OF PERSONS		20	4	53	12	1	11	1	3	4	1						
	OPERATING HRS.		0	24	24	24	24	12	12	0	24	0						
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24						
Trucks/Boats	Standby/Tankers																	
BULK	Drill Wtr.-BBLS									Pot Wtr.- BBLS								
REPAIR ASAP	Instrumentation		Fuel- BBLS									Barite- SX						
	Computer, Communication & V-Sat Issues		Bentonite - SX									Cement G- SX						
Reported																		

D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HMYM-462904 (DRILLING WELL AS GAS-UNCONVENTIONAL/DEVELOPMENT IN HMYM)</b>	Rig <b>SP-31</b>	Foreman(s) <b>SHERFIELD, ANDY MONROE/ MEDDAHI, YOUSSEOUF/ HABEB, ALAA AHMED/</b>
	Charge #: <b>(87- 21710- 7432)</b> Wellbores: (0) HMYM_462904_0	Engineer Superintendent	<b>SYA RAWI, AHMAD/ DKANE, AWAD ALI</b>
		THURAYA <b>8821677714170</b>	RIG FORMAN VSAT <b>013-576-3192</b> CONTRACTOR/CLERK VSAT <b>013-576-3109</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>7210</b>	<b>CONT. P/U DP. M/U SLB 8.5" NEO STEER, P/U DP, CLEAN OUT DV, P/U 5-1/2" DP ON BHA, PT CSG,</b>	<b>PRESSURE TEST CASING TO 118 PCF EMW,CLEAN OUT CEMENT, FLOAT EQUIPMENT &amp; RAT HOLE. DISPLACE HOLE TO 85 PCF FIT TO 115 EMW, DRILL 8-1/2" HOLE SECTION.</b>	<b>HALF MOON BAY TO UGAIR ROAD, LEFT 5 KM TO SKID RD, LEFT 13 KM SKID RD TO RIG</b>	<b>12.0</b> (02/15/2023@0500)	<b>DMMM 38 PER PROGRAM RUS 510 04 FT SHALLOWER UMER 943 124 SHALLOWER LAMS 2489 242 FT SHALLOWER AHMS 4845 16 FT DEEPER SFNY 5238 39 FT DEEPER SHUB 5972 34 FT DEEPER BYDH 6277 28 FT DEEPER MDTM 7159 32 FT DEEPER</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>7210</b>					<b>9 5/8</b>	<b>7202</b>	<b>7202</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
03.2	0500 - 0815	0	12	N	DRLG	HT	STRG	RIG	7210	7210			P/U 5-1/2" D/P FROM PIPE RACK & RACK BACK IN DERRICK. . >TOTAL 30 STD
00.8	0815 - 0900	0	12	N	DRLG	HT	BHA	RIG	7210	7210			P/U SAMAA PBL SUB ,SHALLOW TEST ,L/D SUB
03.5	0900 - 1230	0	12	N	DRLG	HT	BHA	SDM	7210	7210			PJSM, PU & MU SLB NEOSTEER BHA & 5-1/2" HWDP SINGLES.
00.5	1230 - 1300	0	12	N	DRLG	HT	BHA	SDM	7210	7210			SHALLOW TEST SLB MWD. *500 GPM, 800 PSI (OK).
00.5	1300 - 1330	0	12	N	DRLG	RR	TDS	RIG	7210	7210			RIG SERVICE TDS.
06.5	1330 - 2000	0	12	N	DRLG	TI	SPDP	RIG	7210	7210	855	4554	TIH W/8-1/2" SLB NEOSTEER BHA PICKING UP 5-1/2" DP IN CASED HOLE. >FILL UP EVERY 20 STD
03.2	2000 - 2315	0	12	N	DRLG	DC	RSS	SDM	7210	7210	4554	4575	WASH DOWN ,TAG TOC @4554 CLEAN OUT CEMENT & DV@4570'.
03.5	2315 - 0245	0	12	N	DRLG	TI	SPDP	RIG	7210	7210	4575	6550	TIH W/8-1/2" SLB NEOSTEER BHA PICKING UP 5-1/2" DP IN CASED HOLE.
00.5	0245 - 0315	0	12	N	DRLG	TI	STDP	RIG	7210	7210	6550	6910	TIH W/8-1/2" SLB NEOSTEER BHA ON 5-1/2" DP STD IN CASED HOLE.
01.2	0315 - 0430	0	12	N	DRLG	CIRC	MPMP	RIG	7210	7210			WASH DOWN & TAG TOC @ 6910', M/U TDS, CHC.
00.5	0430 - 0500	0	12	N	DRLG	PTST	MPMP	RIG	7210	7210			PRESSURE TEST CASING TO 118 PCF EMW (OK).

#### \*\*OBJECTIVE\*\*

HMYM-462904 WILL BE DRILLED AS A SINGLE LATERAL UNCONVENTIONAL GAS WELL TARGETING LOWER TUWAIQ MOUNTAIN TIGHT RESERVOIR TO ASSESS THE HYDROCARBON POTENTIAL, MATURITY AND FLUID CHARACTERISTICS.

THE PLAN IS TO RUN A 5-1/2", 26#, TN-95HS/P110 LONG STRING COMPLETION.

THE TOTAL LATERAL LENGTH FOR THIS WELL WILL BE A +/- 10,000 FT WITH TD AT +/- 21,200 FT MD.

#### =====\*\*JOURNEY MANAGEMENT\*\*

PRIOR TO EXITING BLACK TOP ONTO SKID ROAD ALL MUST CALL ARAMCO CLERK @ 013-576-3109.

PROVIDE NAME OF COMPANY, NUMBER OF PERSONNEL, COLOR OF VEHICLE & EMERGENCY CONTACT.

NIGHT DRIVING IS NOT RECOMMENDED & SPECIAL PRECAUTIONS MUST BE FOLLOWED.

=====ARAMCO CLERK MASOUD ALQAHTANI # ON LOCATION

PDP MOHAMMED AL KHAMMAS BADGE #798739 ON LOCATION ON 02/12/2023. LEFT ON 2/26/2023.

PDP FAHAD ALAHMED BADGE #820825 ON LOCATION ON 02/17/2023. LEFT ON 2/26/2023.

ARAMCO FCT SAUD AL KHALDI #795701 ON LOCATION FROM 02/16/2023.

=====DIESEL CONSUMPTION FOR ENGINES(RIG+CAMP): DAILY 44 BBL, TOTAL 899 BBL FOR HMYM-462904.

=====DRILLS: 01 X (ACCUMULATOR DRILL)

=====NEXT CSG: 5-1/2" @ 21200'.

=====Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD		N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
	Weight <b>72 PCF</b>	Funnel Vis. <b>54 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>10</b>	YP <b>26</b>	Electrical Stability <b>0 Volts</b>	3/6 RPM <b>9 / 11</b>	Gels Sec/Min <b>9 / 11</b>	PH <b>9.1</b>	CA PPM <b>320</b>	CL PPM <b>98000</b>			

MUD DATA	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #
	0	0	1	92	0	8	0	1.7	0	INPHPA	HMYM-844
	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM
	72 PCF	54 SEC	0 HTHP	API	10	26	0 Volts	9 / 11	9 / 11	9.2	320
MUD TREATMENT	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #
	0	0	1	92	0	8	0	1.7	0	INPHPA	HMYM-844
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out
	4	M423	8.5	SMT	SM2705	MDSI516PIPC	/	7210	7210		
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure
									800	450	
DRILL STRING	Float	Y									
	BHA Hrs:	0									
	String Wt.	Pick Up	Slack Off		Rot. Torque		Jars:	/ 0	Shock	/ 0	Mud
	200	200	198		4000		Serial #/Hrs	/	Sub:	/	Motor:
	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight
	1	Bit	SMT	8.5	0	8.5	0	0.7	4-1/2" REG	N/A	
	2	Stabilizer	SDM	8.375	1	8.375	2.5	13.35	4-1/2 REG	5-1/2" FH	
	3	RSS	SDM	6.9	1	6.9	3.1	19.37	5-1/2 FH	5-1/2 FH	
	4	Saver Sub	SDM	6.94	1	6.94	3.1	1.51	5-1/2 FH	5-1/2 FH	
	5	Saver Sub	SDM	6.9	1	6.9	3.875	1.67	5-1/2 FH	5-1/2 FH	
	6	Measurement While Drilling (MWD)	SDM	7.75	1	7.75	5.11	24.81	5-1/2 FH	5-1/2 FH	
	7	Saver Sub	SDM	6.875	1	6.875	2.5	1.62	4-1/2 IF	5-1/2 FH	
	8	Non Magnetic Drill Collar (NMDC)	SDM	6.7	1	6.7	2.813	9.27	4-1/2 IF	4-1/2 IF	
	9	Float Sub	SDM	6.95	1	6.95	2.813	2.9	5-1/2 IF	5-1/2 IF	
	10	Float Sub	SDM	6.9	1	6.9	2.813	2.95	5-1/2 IF	5-1/2 IF	
	11	Filter Sub	SDM	6.7	1	6.7	2.75	6.79	4-1/2 IF	4-1/2 IF	
	12	PBL (Multiple Activation By Pass)	SAM	6.75	1	6.75	2.75	8.82	4-1/2 IF	4-1/2 IF	
	13	Crossover	RIG	6.625	1	6.625	2.25	2.14	XT-54	4-1/2 IF	
	14	Heavy Weight Drillpipe (HWDP)	RIG	5.5	21	5.5	3.25	646.68	XT-54	XT-54	
	15	Hydraulic Jar	NOJ	6.5	1	6.5	2.813	34.23	XT-54	XT-54	
	16	Heavy Weight Drillpipe (HWDP)	RIG	5.5	3	5.5	3.25	92.18	XT-54	XT-54	
	17	Drillpipe	RIG	5.5	1	5.5	4.67	31	XT-54	XT-54	24.7 G
Miscellaneous	BOP Test		BOP Drills		Wind		Sea		Weather	DSLTA	Safety Meeting
	02/25/2023				LOW		N/A		SEASONAL		2 X PRE TOUR
Personnel and Services Information	Real-Time Data Quality		Sensors Quality	93%	Data Frequency	88%	Real-Time Hrs	10.74/24 hrs			
	COMPANY	SBT	GOS	SDM	RIG	BAR	PW	ARM	SCM	BSC	ARM
	CATEGORY	BITS	CTRG	DPDS	RIG	DFMS	ISPCT	OTHR	PCS	SCS	WSC
	NO. OF PERSONS	1	14	4	81	2	4	2	4	8	3
	OPERATING HRS.	6	0	0	24	24	12	12	0	24	24
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24
Trucks/Boats	Standby/Tankers										
	AB-5557										
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX					
			595	102	146	1350					
REPAIR ASAP	Instrumentation	Other									Reporter
	Computer, Communication & V-Sat Issues										

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HZEM-140604 (DRILLING WELL AS GAS- UNCONVENTIONAL / DEVELOPMENT IN HZEM)</b>	Rig <b>SP- 32</b>	Foreman(s) <b>QATTAN, WALEED SADAQAH/ ALMOMEN, HASSAN MOHAMMED/ BIN LEBDAH, SALMAN FAISAL</b>
	Engineer Superintendent <b>THURAYA 8821677714171</b>	RIG FORMAN VSAT <b>5763172</b>	OTHER VSAT <b>3300929 5763173</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>18517</b>	<b>POOH W/ 8 1/2" SLB DIRECTIONAL ASSY TO 500 FT.</b>	<b>CONT. POOH 8 1/2" SLB NEOSTEER ASSY TO SURFACE. RIH 5 1/2" COMPLETION STRING.</b>	<b>SALWA ROAD INTO HZEM MAIN SKID ROAD, 44KM SKID ROAD, FOLLOW RIG SIGNS.</b>	<b>24.0 (02/03/2023 @ 0500)</b>	<b>MDTM 7644 - 4 FT SULY 8192 + 8 FT HITH 8754 + 12 FT ABAR 9206 - 4 FT ABBR 9314 - 3 FT ABCR 9416 - 5 FT ABDR 9580 - 6 FT JUBL 9738 - 8 FT JBSR 10584 - 23 FT HNIF 10663 - 2 FT HNFA 10699 - 2 FT HNFB 10719 + 2 FT HNFC 10769 - 1 FT HNFD 10794 - 1 FT TQMA 10801 - 3 FT TQMB 10813 - 4 FT</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>18517</b>					<b>9 5/8</b>	<b>7714</b>	<b>7714</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
02.2	0500 - 0715	0	8 1/2	N	DRLG	BR	STRG	RIG	18517	18517	14405	13753	BACKREADED FROM 14405 FT TO 13753 FT. > UNABLE TO PULL WITH ELEVATOR
03.5	0715 - 1045	0	8 1/2	N	DRLG	BR	STRG	RIG	18517	18517	13753	11856	PUMPED OUT FROM 13753 FT TO 11856 FT. > UNABLE TO PULL WITH ELEVATOR.
01.2	1045 - 1200	0	8 1/2	N	DRLG	CIRC	MPMP	RIG	18517	18517			PUMPED SWEEP AND CIRCULATED 1 HOLE CYCLE AT 200 FT BELOW LP.
00.5	1200 - 1230	0	8 1/2	N	DRLG	WCNT	NA	RIG	18517	18517			FLOW CHECK- WELL STATIC.
02.2	1230 - 1445	0	8 1/2	N	DRLG	HT	BHA	RIG	18517	18517	11856	9949	POOH ON ELEVATOR WITH 8 1/2" SLB NEOSTEER BHA FROM 11856 FT TO 9949 FT.
03.5	1445 - 1815	0	8 1/2	N	DRLG	BR	STRG	RIG	18517	18517	9949	9380	PRECAUTIONALY BACKREADED THROUGH JUBAILA - ARAB-D TRANSITION FROM 9949 FT TO 9380 F.
05.0	1815 - 2315	0	8 1/2	N	DRLG	BR	STRG	RIG	18517	18517	9380	7714	BACKREADED FROM 9380 FT TO 7714 FT (HITH-SLUY TRANSITION) > UNABLE TO PULL WITH ELEVATOR
00.8	2315 - 0000	0	8 1/2	N	DRLG	WCNT	NA	RIG	18517	18517			FLOW CHECK- WELL STATIC. > PUMPED SLUG.
03.5	0000 - 0330	0	8 1/2	N	DRLG	TO	STDP	RIG	18517	18517	7714	860	POOH WITH 8 1/2" SLB NEOSTEER BHA IN CASED HOLE FROM 7714 FT TO TOP BHA @ 950 FT.
00.5	0330 - 0400	0	8 1/2	N	DRLG	WCNT	NA	RIG	18517	18517			FLOW CHECK- WELL STATIC.
01.0	0400 - 0500	0	8 1/2	N	DRLG	HT	BHA	RIG	18517	18517			CONT. POOH WITH BHA & RACK BACK 5-1/2" HWDP, L/D JAR & SLB TOOLS - ONGOING AT REPORT TIME.

#### =====WELL OBJECTIVE=====

HZEM-140604 IS 1ST SLOT ON PAD [HZEM-1406] AS A HORIZONTAL DEVELOPMENT TIGHT GAS WELL TARGETING TUWAIQ MOUNTAIN SOURCE ROCKS RERSERVOIR B (TQMB) BELOW THE HIGH GR ZONE. THE WELL IS PLANNED TO LAND AT +/- 17 FT INSIDE TQMB FORMTION AND DRILL TO TD OF 18,552 FT. (MD)/ 10,830 FT. (TVD) WITH A TOTAL LATERAL LENGTH OF 6,900 FT AT 347 DEGREE AZIMUTH. AS PER THE GHEER, IT IS REQUIRED TO DRILL WITH LWD FROM LANDING TO FINAL LATERAL TD. THE WELL WILL BE COMPLETED WITH 5-1/2" CEMENTED LONG STRING MONO-BORE COMPLETION.

#### =====JOURNEY MANAGEMENT & LOCATION=====

CALL SP-32 RIG OFFICE AT 013-576-3172. PRIOR TO TURNING SKID ROAD. PROVIDE TO ARAMCO OFFICE- NAME OF CO, NUMBER OF PERSONNEL, COLOR OF VEHICLE EMERGENCY CONTACT OF BASE PERSONNEL. \*\*\*NIGHT DRIVING IS NOT RECOMMENDED\*\*\* DRIVE 70 KM ON HOFUF - SALWA HIGHWAY THEN FOLLOW SIGN BOARD ON THE RIGHT, SKID ROAD IS 47 KM.

#### =====JARS AND RENTAL TOOLS =====

RENTAL TOOLS:  
 - NONE.

=====ARAMCO PERSONNEL=====

- ARAMCO FOREMAN MINA AZIZ #8585995 ON LOCATION SINCE 2/1/23.
- ARAMCO FOREMAN BOUZID AMIRI #8576601 ON LOCATION SINCE 2/8/23.
- ARAMCO FOREMAN ABDELHAMID HAMMOUDA #8297007 ON LOCATION SINCE 02/8/23.
- ARAMCO MATERIAL EXPEDITOR ABDULKAREEM ALSHAMMRI #8521687 ON LOCATION SINCE 2/15/2023.
- ARAMCO PDP OMAR BODEY #809465 ON LOCATION SINCE 2/19/23.
- ARAMCO FCT MOATH BURADHA ID# 776890 ON LOCATION SINCE 2/23/23.

===== Casing Depth =====

18 5/8" Casing: 115# J/K-55, BTC AT 1,122 FT.

13 3/8" Casing: 68# J/K-55, BTC AT 4,957 FT.

9 5/8" Casing 47# L-80, BTC AT 7,714 FT.

PLANNED 5 1/2" CASING 26# VTHC AT 18,517 FT MD

=====WELLSITE RENTAL EQUIPMENTS=====

THIRD PARTY:

- ALFUWALIH WATER SPRAY TANKER ON LOCATION SINCE 11/12/2022.

===== WATER WELLS =====

- STWW-9001/9002 WATER WELLS.

===== DAILY SAFETY REPORT =====

NM: X 1 (SLS#4483187).

SWA: X3

STOP CARDS: X09

DRILLS: NIL

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS
MUD DATA	Weight <b>105 PCF</b>	Funnel Vis. <b>58 SEC</b>	Filtrate(WL) <b>2.2 HTHP</b>	Filtrate (WL) API	PV <b>20</b>	YP <b>23</b>	Electrical Stability <b>762 Volts</b>	3/6 RPM <b>10 / 11</b>	Gels Sec/Min <b>10 / 14</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>34000</b>				
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>1</b>	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. % <b>0.1</b>	% LGS <b>6.5</b>	MBT <b>0</b>	Mud type <b>OBM</b>	Water Well # <b>STWW-9001, STWW-9002</b>					
	Weight <b>105 PCF</b>	Funnel Vis. <b>58 SEC</b>	Filtrate(WL) <b>2.2 HTHP</b>	Filtrate (WL) API	PV <b>22</b>	YP <b>20</b>	Electrical Stability <b>756 Volts</b>	3/6 RPM <b>10 / 11</b>	Gels Sec/Min <b>10 / 14</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>34000</b>				
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>1</b>	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. % <b>0.1</b>	% LGS <b>6.5</b>	MBT <b>0</b>	Mud type <b>OBM</b>	Water Well # <b>STWW-9001, STWW-9002</b>					
	Weight <b>105 PCF</b>	Funnel Vis. <b>59 SEC</b>	Filtrate(WL) <b>2.2 HTHP</b>	Filtrate (WL) API	PV <b>22</b>	YP <b>20</b>	Electrical Stability <b>756 Volts</b>	3/6 RPM <b>10 / 11</b>	Gels Sec/Min <b>10 / 14</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>34000</b>				
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>1</b>	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. % <b>0.1</b>	% LGS <b>6.5</b>	MBT <b>0</b>	Mud type <b>OBM</b>	Water Well # <b>STWW-9001, STWW-9002</b>					
	Weight <b>105 PCF</b>	Funnel Vis. <b>59 SEC</b>	Filtrate(WL) <b>2.2 HTHP</b>	Filtrate (WL) API	PV <b>21</b>	YP <b>21</b>	Electrical Stability <b>760 Volts</b>	3/6 RPM <b>10 / 11</b>	Gels Sec/Min <b>10 / 14</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>34000</b>				
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>1</b>	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. % <b>0.1</b>	% LGS <b>6.5</b>	MBT <b>0</b>	Mud type <b>OBM</b>	Water Well # <b>STWW-9001, STWW-9002</b>					
MUD TREATMENT	CAOH2 <b>90(25KG)</b>	SOURSCAV <b>60(25KG)</b>	ESCAID-110 <b>56(BBL)</b>													
BIT DATA	Bit Number <b>6RR</b>	IADC <b>M423</b>	Size <b>8.5</b>	Manufacturer <b>SMT</b>	Serial Number <b>SM2169</b>	Type <b>MDSI616PIPV1C</b>	Jets <b>/ 4 X 11 / 2 X 12 /</b>	TFA <b>0.592</b>	MD In <b>11897</b>	MD Out <b>18517</b>						
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
											<b>4050</b>	<b>550</b>	<b>299</b>	<b>320.96</b>		<b>358</b>
BHA DATA	Float <b>Y</b>															
	BHA Hrs: <b>41.5</b>															
	String Wt. <b>290</b>	Pick Up <b>320</b>	Slack Off <b>275</b>	Rot. Torque <b>17000</b>			Jars: Serial #/Hrs	<b>/ 90</b>		Shock Sub: <b>/ /</b>	<b>/ 0</b>		Mud Motor: <b>/ /</b>			
	Order <b>1</b>	Component <b>Bit</b>			Provider <b>SMT</b>	Nominal Size <b>8.5</b>	# Joints	OD Size <b>8.5</b>	ID Size <b>2.25</b>	Length <b>0.6</b>	Top Thread <b>4-1/2" REG</b>	Bottom Thread	Weight <b>4.2</b>	Grade <b>3.875</b>	Class <b>7.78</b>	Serial # <b>SM2169</b>
	2	RSS			SDM	6.75	1	6.75	4.2	12.98	4-1/2" IF	4-1/2" REG				N002054
	3	Saver Sub			SDM	6.875	2	6.88	3.875	7.78	5-1/2"	5-1/2"				NTS-SA-3601

DRILL STRING	4	Measurement While Drilling (MWD)	SDM	6.88	1	6.88	3.87	27.96	4-1/2" IF	5-1/2" FH			N004500			
	5	Non Magnetic Drill Collar ( NMDC )	SDM	6.75	1	6.89	5.109	10.92	4-1/2" IF	4-1/2" IF			PH47-2			
	6	Float Sub	SDM	6.875	1	6.875	3.875	2.02	4-1/2" IF	4-1/2" IF			ITS338087			
	7	Float Sub	SDM	6.875	1	6.88	3.875	1.39	4-1/2" IF	4-1/2" IF			NAP-6081-1			
	8	Filter Sub	SDM	6.875	1	6.88	3.875	5.94	4-1/2" IF	4-1/2" IF			675-1010			
	9	PBL (Multiple Activation By Pass)	CRW	6.75	1	7	2.5	20.92	5-1/2" FH	5-1/2" FH			DVSA0045/CC			
	10	Crossover	SDM	6.875	1	6.5	2.75	2.62	5-1/2" FH	4-1/2" IF			RIG			
	11	Heavy Weight Drillpipe (HWDP)	RIG	5.5	21	5.5	3.25	648.17	XT-54	XT-54			RIG			
	12	Hydro-Mechanical Jar	NPJ	6.5	1	6.5	2.75	30.21	XT-54	XT-54			GE-DJ-00116			
	13	Heavy Weight Drillpipe (HWDP)	RIG	6.625	3	5.5	3.25	92.55	XT-54	XT-54			RIG			
	14	Drillpipe	RIG	5.5	1	5.5	4.67	0	XT-54	XT-54			RIG			
	BOP Test 02/11/2023			BOP Drills		Wind CALM		Sea		Weather COLD		DSLTA		Safety Meeting 2X DAILY.		
Miscellaneous	Real-Time Data Quality			Sensors Quality			93%	Data Frequency			87%	Real-Time Hrs		10.74/24 hrs		
Personnel and Services Information	COMPANY		CAM	ITS	GOS	SDM	RIG	BAR	MH2	RIG	ARM	SJC	OTH	ARM	SCP	Total 137
	CATEGORY		WHES	CSR	CTRG	DPDS	RIG	DFMS	H2S	OTHR	OTHR	PCS	VAC	WSC	PSSC	
	NO. OF PERSONS		1	9	16	4	65	12	2	12	3	7	1	4	1	
	OPERATING HRS.		0	0	0	24	24	24	0	0	12	4	0	24	0	
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers <b>DH-7565</b>															
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>389</b>		Barite- SX <b>426</b>		Bentonite - SX <b>5</b>		Cement G- SX <b>2600</b>							
REPAIR ASAP	Instrumentation		Other Computer, Communication & V-Sat Issues											Reporter		

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Date	Well No (Type) :	Rig	Foreman(s)
MONDAY 02/27/2023	HRDH-1544 (A QUAD-LATERAL OIL PRODUCER (PML)) WELL TARGETING ARAB-D RESERVOIR)	SP- 53L	HARFOUSH, HANY ABDELSALAM/ HUSSEIN, MOHAMMAD ADNAN/ ALKHALDI, HAMAD AZZAM
Charge #: (66- 22058- #: 1544)	Wellbores: (1) HRDH_1544_1	THURAYA	RIG FORMAN VSAT 008821677711291 0135773549
		OTHER VSAT	CONTRACTOR/CLERK VSAT ARAMCO CLERK: 0135773551 SP RIG MANGR: 013 5779687

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
13073	POOH W/ 6-1/8" SLICK BHA TO SURFACE, RIH WS RETRIEVING BHA, RETRIEVE BKR L-1 WS AND POOH, L/D SAME.	L/D L1 WS & RETERIVING BHA, M/U L-2 WS BHA, RIH TO SETTING DEPTH, ORIENT, SET SAME, MILL 6 1/8" L-2 WINDOW, DRILL 18 FT RAT HOLE, CHC, RIGHT 1KM SKID ROAD TO RIG POOH.	261 KM FROM DHARHAN, TURN RIGHT BEFORE HRDH GAS STATION FOR 4 KM AND TURN RIGHT 1KM SKID ROAD TO RIG	36.6 (01/21/2023@1400)	UMER 481 UERA 487 ARUM 950 PICKED BY RCC. LAMS 1460 PICKED BY RCC. AHMD 1855 PICKED BY RCC. SFNY 2130 9' SHALLOW PICKED BY RCC. SHUB 2970 3' SHALLOW PICKED BY RCC. BYDH 3160 1' SHALLOW PICKED BY RCC. MDTM 4165 4' DEEP PICKED BY RCC. SULY 4686 2' DEEP PICKED BY GOC,4691' MD. HITH 5304 AS PROGRAM PICKED BY GOC,5381' MD. ABAR 5762 17' SHALLOW PICKED BY GOC,5982 MD. ARBB 5803 18' SHALLOW PICKED BY GOC,6037 MD. ABBR 5868 18' SHALLOW PICKED BY GOC,6132' MD. ARBC 5895 18' SHALLOW PICKED BY GOC,6173' MD. ABCR 6023 12' DEEP PICKED BY GOC,6394' MD. ARBD 6156 05' DEEP PICKED BY GOC,6698" MD. PADS 6265 12' DEEP PICKED BY GOC,7482' MD. BPDS 6266 10' DEEP PICKED BY GOC,7540" MD.

Prev. Depth	Liner Size	TOL	MD	TVF	Last Csg Size	MD	TVF	Footage	Circ %
13073	7	1580	9497	6276	9 5/8	4225	4225	0	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
02.0	0500 - 0700	1	6 1/8	N	CT	TO	STD P	RIG	13073	13073	8649	4500	CONT. POOH W/ 6 1/8" SLICK ASSY. F/ 8649 FT TO 4500 FT -MOITOR WELL ON TT, 10 BPH LOSSES			
00.8	0700 - 0745	1	6 1/8	N	CT	HT	STRG	RIG	13073	13073			HPJSM, L/D 4 X 7" MAGNETS			
01.8	0745 - 0930	1	6 1/8	N	CT	TO	STD P	RIG	13073	13073	4400	404	CONT. POOH W/ 6 1/8" SLICK ASSY F/ 4400 FT TO TOP OF BHA @ 404 FT.			
00.2	0930 - 0945	1	6 1/8	N	CT	WCNT	NA	RIG	13073	13073			FLOW CHECK, 6 BPH STATIC LOSSES.			
01.2	0945 - 1100	1	6 1/8	N	CT	HT	BHA	RIG	13073	13073			POOH W/ 6 1/8"SLICK BHA TO SURFA AND , L/D BIT.			
02.0	1100 - 1300	1	6 1/8	N	FISH	HT	BHA	RIG	13073	13073			P/U & M/U L-1 WPSTK RETRIEVAL HOOK/WBCO BHA TO 232 FT:- - SCRIBE MWD, ALIGN HIGH SIDE AND TAKE OFFSET. - MWD SHALLOW TEST: 300 GPM & 720 PSI. - MU 4 X 7" BAKER MAGNETS. - MONITOR WELL ON TT, 5 BPH STATIC LOSSES. - BHA: RETRIEVING HOOK +X/O+ 1 JT X 4" DP + X/O + INTEQ FLOAT SUB + MWD + FILTER SUB + X/O + 3X 4" HWDP + 4 X 7" MAGNETS + 4" PUP JT + 3 X 4" HWDP + DRILLING JAR + 2 X 4" HWDP + 4" DP TO SURFACE			
04.5	1300 - 1730	1	6 1/8	N	FISH	TI	STD P	RIG	13073	13073	232	8649	RIH COMBINED L-2 BKR WPSTK RETRIEVAL HOOK / 7" WBCO BHA F/232 TO TOW @ 8649 FT. - FILL STRING EVERY 20 STDs. - RECORD P/U WT: 155 KLBS & S/D WT: 4 BPH LOSSES.			
00.5	1730 - 1800	1	6 1/8	N	FISH	FISH	FISHT	BFW	13073	13073			ORIENT HOOK TO 225 DEG (NOOZE ACROSS WSTK SLOT) AND WASH ACROSS WPSTK FACE TO 8,662 FT. - RE-ORIENT HOOK TO 45DEG, ENGAGED WIS 7" L-1 WPSTK. - STATIC LOSSES BEFORE UNSET WPSTK 4 BPH. - DYNAMIC LOSSES WHILE CIRC WITH 250 GPM 5 BPH. - APPLY OVERPULL GRADUALLY TO 100 KLBS AND RELEASE WPSTK.			
00.5	1800 - 1830	1	6 1/8	N	FISH	OTH	NA	RIG	13073	13073			PICK UP TO 8,619 FT (30 FT) & FLOW CHECK MENWHILE ALLOW PACKER ELEMENT TO RETRACT- STATIC LOSSES 24 BPH. - HPJSM PRIOR POOH WITH WPSTK.			
06.2	1830 - 0045	1	6 1/8	N	FISH	RW	FISHT	RIG	13073	13073	8640	4700	POOH W/ L-2 WPSTK PUMP OUT F/ 8,640 FT TO 4700 FT, CHECKED DYNAMIC LOSSES WHILE CIRC WITH 150 GPM 5 BPH.			
04.2	0045 - 0500	1	6 1/8	N	FISH	TO	STD P	RIG	13073	13073	4700	232	CONT. POOH L-1 WPSTK ON ELEVATOR AT CONTROLLED SPEED (3 MIN SLIPS TO SLIPS) F/ 4,750 TO TOP OF BHA AT 232 FT. - MONITOR WELL THROUGH TRIP TANK 5 BPH LOSSES.			

HRDH-1544 WELL WHICH WILL BE DRILLED AS A QUAD-LATERAL OIL PRODUCER (PML) WELL TARGETING ARAB-D RESERVOIR. THE WELL WILL BE COMPLETED WITH PDHMS AND HALLIBURTON SMART COMPLETION.

=====WELL DESIGN & WHIPSTOCK=====

\*\* 30" CONDUCTOR CP PLANNED/ACTUAL: 120 FT /'118'.

\*\* 24" CP PLANNED/ACTUAL: 502 /' 502' (15' TVD INSIDE UER WATER LEVEL).

\*\* 13-3/8" CP PLANNED/ACTUAL: 1896' /'1925' (50' INSIDE AHMADI FM).

\*\* 9-5/8" CP PLANNED/ACTUAL: 4211' /'4225' (50' TVD INSIDE MDTM).

\*\* 7" LINER PLANNED MD/TVD 8386'/6272', ACTUAL 9500' MD/6276 TVD (1270' MD INSIDE BPDS).

\*\*\* L-0 (MB): PLANNED TD: 13,226', ACTUAL TD: 13259', PLANNED RC: 4880', ACTUAL RC: 3762'.  
 \*\* L-1: PLANNED TD 12,993' MD, ACTUAL TD 13,073' MD. PLANNED TOW/BOW: 7936'/7949', ACTUAL TOW/BOW 8649'/8662', PLANNED RC 5057', ACTUAL RC 4411'.  
 \*\* L-2: PLANNED TD 12,755' MD, ACTUAL TD XX' MD. PLANNED TOW/BOW: 7,636', ACTUAL TOW/BOW: XX'/XX', PLANNED RC 5,119', ACTUAL RC XX'.  
 \*\* L-3: PLANNED TD 12,099' MD, ACTUAL TD XX' MD. PLANNED TOW/BOW: 7,336', ACTUAL TOW/BOW: XX'/XX', PLANNED RC 4,763', ACTUAL RC XX'.  
 \*\* THE TOTAL PLANNED/ ACTUAL WELL FOOTAGE: 28045'XX'.  
 \*\* THE TOTAL PLANNED/ ACTUAL RC FOOTAGE: 19,779'XX'.

===== ARAMCO PERSONNEL ON LOCATION =====

\* AHMAD ALHOWAIJI ARAMCO CLERK ON LOCATION SINCE 23-FEB-2023.

===== LSTK PERSONNEL ON LOCATION =====

\* THIS IS A BAKER LUMP SUM TURNKEY WELL. BAKER FOREMEN: AHMAD FAHMY/ AHMAD KHAFAGY.

\* BAKER SAFETY MAN: RHUM.

\* BAKER SUPERINTENDENT:-

===== NEXT WELL =====

HWYH-2561 100% COMPLETED

HWYH-2529 85%COMPLETED.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight <b>73</b> PCF	Funnel Vis. <b>40</b> SEC	Filtrate(WL) HTHP	Filtrate (WL) API	PV	YP	Electrical Stability Volts	3/6 RPM <b>/</b>	Gels Sec/Min /	PH <b>10</b>	CA PPM	CL PPM <b>156000</b>	
	FL Temp <b>0</b>	Cake HTHP	Cake API	Water Vol. % <b>92</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>8</b>	Sand Vol. %	% LGS <b>0</b>	MBT	Mud type <b>NACL</b>	Water Well # <b>HRDH-801</b>		
	Weight <b>73</b> PCF	Funnel Vis. <b>40</b> SEC	Filtrate(WL) HTHP	Filtrate (WL) API	PV	YP	Electrical Stability Volts	3/6 RPM <b>/</b>	Gels Sec/Min /	PH <b>10</b>	CA PPM	CL PPM <b>156000</b>	
	FL Temp <b>0</b>	Cake HTHP	Cake API	Water Vol. % <b>92</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>8</b>	Sand Vol. %	% LGS <b>0</b>	MBT	Mud type <b>NACL</b>	Water Well # <b>HRDH-801</b>		
MUD TREATMENT	CAUST <b>2(50LBP)</b>	NACL <b>15(2200L)</b>											
BIT DATA													
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class
Miscellaneous	BOP Test <b>02/10/2023</b>	BOP Drills	Wind <b>NORMAL</b>	Sea <b>N/A</b>	Weather <b>SEASONAL</b>			DSLTA		Safety Meeting			
	Real-Time Data Quality	Sensors Quality	100%	Data Frequency	100%	Real-Time Hrs	10.74/24 hrs						
Personnel and Services Information	COMPANY	GOS	BWH	BHI	RIG	BDF	TK2	RIG	ARM	TK2	ARM		
	CATEGORY	CTR G	WPSTK	DPDS	RIG	DFMS	OTHR	OTHR	OTHR	WSC	WSC		Total <b>93</b>
	NO. OF PERSONS	<b>15</b>	<b>1</b>	<b>4</b>	<b>58</b>	<b>1</b>	<b>1</b>	<b>7</b>	<b>3</b>	<b>2</b>	<b>1</b>		
	OPERATING HRS.	<b>0</b>	<b>15</b>	<b>15</b>	<b>24</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>24</b>	<b>24</b>		
	ON LOCATION HRS.	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>		
Trucks/Boats	Standby/Tankers <b>AB-5567</b>	RIG AMBULANCE											
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>333</b>	Barite- SX	Bentonite - SX	Cement G- SX <b>1800</b>							
REPAIR ASAP	Instrumentation	Other											Reporter
	Computer, Communication & V-Sat Issues												

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D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HRDH-1206 (TO MILL 7" LINER. SIDE-TRACK WELL AND DRILL TWO HOLE SECTIONS ACROSS UNZ-A)</b>	Rig <b>SP-58</b>	Foreman(s) <b>BADR, AHMED ATEF/ WYCHE, ROBERT/ ALMUQRIN, MUATH ADEL/</b>
Engineer	<b>MANZO RAMOS, JESUS EUGENIO/</b>	Superintendent	<b>OTAIBI, MUKHLED FARAH</b>
THURAYA	RIG FORMAN VSAT <b>+8821677712820</b>	CONTRACTOR/CLERK VSAT <b>013-6735531</b>	CONTRACTOR/CLERK VSAT <b>013-6734468</b>
			<b>013-6735727</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops								
<b>10383</b>	<b>MILL OUT 7" LINER BODY. WITH WFD 8-1/8" X 5-7/8" PILOT MILL.</b>	<b>CON'T MILL OUT 7" LINER BODY. CHC, DISPLACE HOLE TO 107 PCF RHELIANT MUD, POOH, JET BOP, TEST BOP.</b>	<b>284 KMS DISTANCE FROM DMG</b>	<b>16.5</b> (02/10/2023@1800)									
Prev. Depth	Liner Size	TOL MD TVD	Last Csg Size MD TVD	Footage	Circ %								
<b>10291</b>	<b>7</b>	<b>9729 14810 13859</b>	<b>9 5/8 1037710377</b>	<b>92</b>	<b>100</b>								
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth			Summary of Operations
									Start	End	Start	End	
<b>24.0</b>	<b>0500 - 0500 0</b>			<b>N</b>	<b>MILL</b>	<b>MILL</b>	<b>MILL</b>	<b>WFS</b>	<b>15207</b>	<b>15207</b>	<b>10291</b>	<b>10383</b>	<b>MILL OUT 7" LINER BODY (7" CSG #32) WITH WDF 8-1/8" X 5-7/8" PILOT MILL FROM 10,291' TO 10,383'. &gt;&gt; WOM: 6-15 KLBS, RPM: 90-120, TRQ: 5500-7000 FT-LB, GPM: 400 / 550 GPM &amp; PUMP PRESSURE: 1550- 2000 PSI. &gt;&gt; PUMP HI VIS SWEEP AS REQUIRED FOR OPTIMUM HOLE CLEANING.</b>

\* ODF CORRECTION: -5'.

#### =====MILLING DATA=====

>> RUN#1: WFD 8-3/8" X 5-3/4" PILOT MILL. MILLED 7" TBR+LINER TOP PKR FROM 9,708' TO 9733'. TOTAL: 25 FT. IN 14.5 HR AVG ROP: 1.72 FT /HR.  
 >> RUN#2: WFD 8-3/8" BLADED JUNK MILL. MILLED 7" TOP PKR+LINER HANGER + 4' OF 7" PUP JT F/ 9,733' T/9751'. TOTAL: 18' (13.5 HRS). AVG ROP: 1.3 FT /HR.  
 >> RUN#3: WFD 8-1/8" X 5 7/8" PILOT MILL: MILLED 7' LINER BODY F/ 9,751' TO 10,383' TOTAL 632' IN 190 HRS, AVG ROP: 3.3 FT/HR. ... ON GOING.  
 >> DAILY FOOTAGE = 92', DAILY ROP = 3.8 FPH  
 >> TOTAL FOOTAGE TO MILL: 729'.  
 >> TOTAL FOOTAGE MILLED: 675'.  
 >> REMAINING FOOTAGE TO MILL: 54'.  
 >> TOTAL METAL RECOVERED LAST 24 HRS: 1270 KG (2790 LBS). TOTAL METAL RECOVERED: 8793 KG (19344 LBS).

#### =====ERP=====

\* ERP POSTED IN ARAMCO FOREMAN OFFICE. EMERGENCY CONTACT NUMBERS VERIFIED.

\* GOR: 0 SCF/STB, H2S: 0%, 30 PPM RER: 0 M ,100 PPM RER: 0 M, LOWER FLAMMABLE LIMIT: 125 M.

\* STAGING AREA #1 IS 1.0 KM TOWARDS THE WEST.

\* STAGING AREA #2 IS 1.0 KM TOWARDS THE EAST.

#### =====SAFETY=====

\* PERFORM DAILY RADIO CHECK WITH DH DRILLING ECC.

\* PRE-TOUR MEETINGS DISCUSSING TASKS AT HAND, SAFE WORK PRACTICES, HAZARD IDENTIFICATION & CONTROLS AND HOUSEKEEPING.

\* ALERTS: NONE.

\* SAFETY DRILLS: 1 X H2S, 1 X PIT DRILL.

\* REPORTED OBSERVATIONS: 10.

\* NEAR MISS: TODAY: 0, MONTHLY TOTAL: 3.

\* PCI SAFETY INSPECTION: 90 FINDINGS, 90 CLOSED.

\* 2ND RSI SAFETY INSPECTION: 28 FINDINGS, 28 CLOSED.

#### =====ARAMCO PERSONNEL ON LOCATION=====

\* MATERIAL EXPEDITOR SALEH S ALOSL #8517946 ON LOCATION 02/20/2023.

#### =====THIRD PARTY PERSONNEL & EQUIPMENT=====

\* TODAY CREW SHORTAGE: 0 ROUSTABOUT & 0 FLOOR HANDS.

\* EMEC MUD ENGINEER ON LOCATION.

\* OILSERVE 6 3/4" JARS SER# HMJ-675-0007 ON LOCATION 23:30 HRS 14/2/23. P/U @ 16/2/23- 23:30 HRS.

\* WEATHERFORD MILLING CREW ON LOCATION 10:00 HRS 02/15/2023.

#### =====DIR & SURVEY DATA=====

N/A

#### =====VACUUM TANKERS=====

N/A

#### =====DAILY DIESEL CONSUMPTION=====

\* ENGINES DIESEL CONSUMPTION (RIG+CAMP): (DAILY = 60 BBLS / TOTAL =767 BBLS).

#### =====MISC=====

\* WATER WELL FLOW METER (SN: A20037523) INSTALLED AND CALIBRATED ON 02/07/2023.

#### =====NEXT LOCATION=====

\* HRDH-799.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS	
	Weight <b>100</b>	Funnel Vis. <b>57</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>17</b>	YP <b>77</b>		Electrical Stability <b>0</b>	Volts	3/6 RPM <b>31 / 37</b>	Gels Sec/Min <b>32 / 35</b>	PH <b>10</b>	CA PPM <b>200</b>	CL PPM <b>18000</b>
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %		Sand Vol. %	% LGS	MBT	Mud type		Water Well #	

MUD DATA	<b>160</b>	<b>0</b>	<b>0</b>	<b>79</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>4.09</b>	<b>7.5</b>	<b>WBM</b>	<b>HRDH-3514</b>		
	Weight <b>100</b>	Funnel Vis. <b>58</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API <b>14</b>	PV <b>79</b>	YP	Electrical Stability <b>0</b> Volts	3/6 RPM <b>30 / 35</b>	Gels Sec/Min <b>31 / 34</b>	PH <b>10</b>	CA PPM <b>200</b>	CL PPM <b>18000</b>	
	FL Temp <b>160</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>79</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>21</b>	Sand Vol. %	% LGS <b>0</b>	MBT	Mud type <b>WBM</b>	Water Well # <b>HRDH-3514</b>		
	<b>XC</b>	<b>BARITE</b>	<b>OXYGON</b>	<b>3(55LB)</b>	<b>2(5000L)</b>	<b>1(50LBP)</b>							
BIT DATA													
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	
Miscellaneous	BOP Test <b>02/14/2023</b>	BOP Drills			Wind		Sea	Weather		DSLTA		Safety Meeting <b>DAILY</b>	
	Real-Time Data Quality		Sensors Quality			<b>99%</b>	Data Frequency		<b>98%</b>	Real-Time Hrs		<b>11.49/24 hrs</b>	
Personnel and Services Information	COMPANY		<b>TGC</b>	<b>RIG</b>	<b>EMC</b>	<b>MJH</b>	<b>WFS</b>	<b>OJR</b>	<b>RIG</b>	<b>ARM</b>	<b>ARM</b>		
	CATEGORY		<b>CTRG</b>	<b>RIG</b>	<b>DFMS</b>	<b>SEC</b>	<b>WMFE</b>	<b>JST</b>	<b>OTHR</b>	<b>OTHR</b>	<b>WSC</b>		
	NO. OF PERSONS		<b>15</b>	<b>56</b>	<b>2</b>	<b>6</b>	<b>2</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>3</b>	Total <b>91</b>	
	OPERATING HRS.		<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>		
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>		
Trucks/Boats	Standby/Tankers												
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>549</b>	Barite- SX <b>133</b>	Bentonite - SX <b>64</b>	Cement G- SX							
REPAIR ASAP	Instrumentation	Other	Computer, Communication & V-Sat Issues										Reporter

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D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ABQQ-398 (SIDETRACK ARAB "D" RESERVOIR )</b> Charge (71- 22050-#: <b>0398</b> ) Wellbores: (0) ABQQ_398_0	Rig <b>SP-101</b> Foreman(s) <b>ABDELRAHMAN, MAHMOUD MOHAMED ABDELMAKSO/ ALYAMI, BADER AHMED/</b> Engineer <b>HARTHI, SULTAN MOHSIN/ ALNAIMI, MAJED ABDULLAH/</b> Superintendent <b>HAJRI, ASKAR SAUD</b>	THURAYA <b>008821677711444</b>	RIG FORMAN VSAT <b>5726636</b>	CONTRACTOR/CLERK VSAT <b>5725567</b>
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Depth	Last 24 hr operations			Next 24 hr plan			Location			Days Since Spud/Comm (Date)		Formation tops		
Prev. Depth														
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Start	End	Start	End	Summary of Operations	
24.0	0500 - 0500	0		N	RM	RM	NA	RIG	0	0			<b>HELD RIG MOVE SAFETY MEETING WITH ALL PERSONNEL, DISCUSSED CRANE SAFETY REQUIREMENTS, PPE, SECURED LOADS FOR RIG MOVE &amp; POTENTIAL HAZARDS WHILE RIG MOVE OPERATION.</b>	

>> R/D ON ABQQ-410: 30%  
 >> R/M TO ABQQ-398: 20%  
 >> R/U ON ABQQ-398: 10%  
 - LOWERED SUBSTRUCTURE & MAST.  
 - ABQQ-398 IS KILLED AND SECURED WITH 2 PX PLUGS BY RPKU-2.

>> HELD RIG SAFETY MEETING WITH ALL PERSONNEL.

>> MOVING EQUIPMENT ON LOCATION : 21 TRUCKS, 5 CRANES & 2 FORKLIFT.

>> 2 TRUCK PUSHER & 2 CERTIFIED RIGGER-I ON LOCATION.

>> MOVE DISTANCE 43 KM (HIGHWAY). ( 8 KM SKID ROAD + 35 KM ASPHALT).

>> DAYS SINCE RELEASE 1 DAY+14 HRS.

=====NEXT WELLS SCHEDULE UPDATED=====

>> ABQQ-499: WELL INSIDE RESTRICTED AREA. KOM DONE ON 07/26/2022, STRIPPING OUT 50 % & LOCATION 0 %.

>> ABQQ-471: WELL INSIDE RESTRICTED AREA. KOM SCHEDULED ON 02/27/2023, STRIPPING OUT 50 % & LOCATION 0 %.

Remarks

ASKAR AL-HAJRI SAWOD DIV#3 SUPT. VISITED RIG, DISCUSSED CURRENT RIG MOVE ACTIVITIES AND HIGHLIGHTED SAFETY TOPICS.

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS											
MUD DATA																								
MUD TREATMENT																								
BIT DATA																								
DRILL STRING																								
Miscellaneous																								
BOP Test		BOP Drills			Wind		Sea		Weather		DSLTA	Safety Meeting												
		<b>AS REQUIRED</b>			<b>NORMAL</b>		<b>N/A</b>		<b>SEASONAL</b>		<b>3904</b>	<b>RIG MOVE</b>												
Real-Time Data Quality																								
No Transmission																								
Total <b>83</b>																								
Trucks/Boats		Standby/Tankers		<b>SP AMBULANCE</b>		<b>3 RAW WATER TANKERS</b>																		
BULK		Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX																	
REPAIR ASAP		Instrumentation		Other		Computer, Communication & V-Sat Issues																		

Date	MONDAY 02/27/2023	Well No (Type) :	Rig	Foreman(s)	TOUIMER, HADJ ALI/ YOUSEF, MOSSAB YOUSEF/ MOHAMED, AHMED BAHAAELDIN AHMED/ SHAREKH, YACOB ABDULAZIZ/ ALOTAIBI, MOHAMMED SALMAN/ Superintendent SHEHRI, TALAL HASAN			
Charge	(71- 22015-#: 0107)	Wellbores: (0- 3) KRSN_107_4	SP-103	Engineer				
THURAYA	RIG FORMAN VSAT	OTHER VSAT	FAX VSAT	CONTRACTOR/CLERK VSAT	8821677711526	0136791892	0136791890	8806516 0136791891

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
12647	CONT POH WITH C-2 RUNNING TOOL TO SURFACE & L/D 4" DP EXCESS DP'S, RIH WITH 4-1/2" OBL ASSY.	CONT RIH WITH 4-1/2" OBL ASSY TO SETTING DEPTH & PERFORM CMT JOB, SET LH TOP PKR, REVERSE CIRCULATION, POH W/ RUNNING TOOL.	120 KM FROM DHARAN MAIN GATE ACROSS RAS- ALKAHAIR/JUBAIL HIGHWAY.	28.9 (01/29/2023@0800)	HITH 6011 6240' MD, 3.2' DEEPER HITH- 6020 6260' MD, 4.9' BASE DEEPER ABAR 6134 6630' MD, 22.4' DEEPER BAAR 6192 7226' MD, 33' DEEPER ABBR 6217 7472' MD, 30.4' DEEPER BABR 6268 8052' MD, 27.4' DEEPER ABCR 6311 8736',36.2' DEEPER
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %
12647	4 1/2	6373	9850	6456	9 5/8 4613 4613 0 100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
01.5	0500 - 0630	0-3		C	CT	LDP	STRG	RIG	12647	12647	5400	4750	CONT'D TO POH WITH BAKER C-2 RUNNING TOOL ON L/D 4" DP (21 JTS) TO HWDP. >> MONITORED WELL THRU TRIP TANK, STATIC.			
01.0	0630 - 0730	0-3		C	CT	TO	STHDP	RIG	12647	12647	4750	2900	CONT'D TO POH WITH BAKER C-2 RUNNING TOOL ON 4" HWDP. >> MONITORED WELL THRU TRIP TANK, STATIC.			
05.0	0730 - 1230	0-3		C	CT	LDP	STRG	RIG	12647	12647	2900	0	CONT'D TO POH WITH BAKER C-2 RUNNING TOOL ON LAID DOWN EXCESS 4" DP'S (96 JTS) TO SURFACE. L/D RUNNING TOOL. >> MONITORED WELL THRU TRIP TANK, STATIC.			
00.5	1230 - 1300	0-3		C	CSG	RR	SLIPS	RIG	12647	12647			CLEARED & CLEANED RIG FLOOR.			
01.0	1300 - 1400	0-3		C	CSG	RCSG	HGRL	BLH	12647	12647			PICKED UP LINER CEMENT HEAD & TORQUED CONNECTION, LAY DOWN SAME. >> MONITORED WELL THRU TRIP TANK, STATIC.			
01.0	1400 - 1500	0-3		N	CSG	HT	PEL	ITS	12647	12647			HPJSM, R/U ITS POWER TONG & 4-1/2" HANDLING EQUIPMENT. >> MONITORED WELL THRU TRIP TANK, STATIC.			
02.0	1500 - 1700	0-3		C	CSG	RCSG	CSTR	ITS	12647	12647	0	108	HPJSM. P/U, M/U & RIH WITH BAKER OFF-BOTTOM LINER SHOE TRACK ASSY WITH (4-1/2" TIE BACK LOCATOR, 1EA 4-1/2"11.6# N.VAM PUP JT, BAKER FLOAT COLLAR, 1EA PUP JTS, BAKER LANDING COLLAR, 1EA PUP JT, 1 JT 4-1/2" 11.6# N.VAM TBG, 1EA PUP JT, BAKER MECH ROCK PACKER, 2 EA PUP JT, BAKER MECH ROCK PACKER, 2EA PUP JTS, BAKER PAC VALVE, 1EA PUP JT. >> CHECKED FLOAT EQUIPMENT, OK. >> BAKER LOCKED ALL CONNECTIONS. >> MONITORED WELL THRU TRIP TANK, STATIC.			
05.0	1700 - 2200	0-3		C	CSG	RCSG	CTRQ	ITS	12647	12647	108	2785	RIH W/ 4-1/2" BAKER OFF BOTTOM LINER ASSY ON 4-1/2",11.6# NVAM, J-55 IN CASED HOLE (TOTAL: 67 JOINTS). >> FILL UP STRING EVERY 10 JTS. >> INSTALLED ONE SPIROLIZER BLADERUNNER CENTRALIZER BETWEEN 2EA STOP COLLARS AT THE MIDDLE OF TBG JT AS PER TALLY. >> MONITOR WELL ON TRIP TANK.			
00.5	2200 - 2230	0-3		C	CSG	RCSG	HGRL	BLH	12647	12647			P/U & M/U BAKER LINER HANGER WITH TOP PACKER ASSEMBLY TO LAST 4-1/2" TBG CONNCETION. M/U DRIFTED CROSSOVER (3 1/2" IF PIN X 4" XT-39 BOX). >> CIRCULATE LINER VOLEMUM WITH 4 BPM @ 220 PSI. >> RECORDED LINER PICK UP WEIGHT: 98 KLBS & SLACK OFF WEIGHT: 98 KLBS (BLOCK WT. 60 KLB). >> MONITOR WELL ON TRIP TANK, STATIC.			
01.0	2230 - 2330	0-3		N	CSG	HT	PEL	ITS	12647	12647			R/D ITS POWER TONG & HANDLING EQUIPMENT, R/U RIG POWER TONG & 4" DP HANDLING EQUIPMENTS.			
00.5	2330 - 0000	0-3		C	CT	CIRC	MPMP	RIG	12647	12647			CONNECTED TOP DRIVE AND CIRCULATED 1.5 X LINER VOLUME WITH 72 PCF OBM @ 4 BPM/220 PSI, 100% RETURNS.			
05.0	0000 - 0500	0-3		C	CSG	RCSG	STRG	RIG	12647	12647	2785	6195	CONT'D TO RIH W/ BAKER 4-1/2" OFF BOTTOM LINER ASSY ON DRIFTED 4" DP/HWDP IN CASED HOLE TO 6195', (10 FT ABOVE 7" TOW @ 6205') > MONITOR WELL ON TRIP TANK, STATIC.			

=====PERSONNEL ON BOARD=====

>> ARAMCO MATERIAL EXPEDITOR SALEH ALRASHEDI ON LOCATION SINCE 14 FEBRAURY 2023.

>> ARAMCO MATERIAL EXPEDITOR SAUD ALANAZI ON LOCATION SINCE 23 FEBRAURY 2023.

=====WELL DATA =====

>> ODF CORRECTION WL-DP = -5 FT

>> PROPOSED TO P & A EXISTING L-2 OH (9850'-12500') AGAINST ARAB D RESERVOIR

>> DIRECTIONAL DRLG L-3, TOW:6205', BOW:6215', KOP:6224', TE: 8633' & TD:12647, TARGET RESERVOIR ARAB C

===== STAGING AREAS =====

KRSN-107 WELL, LOCATED STAGING AREA:

>> #1 (5 KM WN OF LOCATION, COORDINATES: 27.262796, 49.268510).

>> #2 (5 KM WS OF LOCATION, COORDINATES: 27.252821, 49.262174

===== WATER TRUCK SUPPLY ON LOCATION=====

>> AL AGINA RAW WATER TANKER #2771 ON LOCATION 13-JULY-21.

>> AL AGINA RAW WATER TANKER # 2992 ON LOCATION 13-JULY-21.

>> AL AGINA RAW WATER TANKER #3458 ON LOCATION 29-OCTOBER-2.

=====EMERGENCY EQUIPMENT ON LOCATION =====

>> SINOPEC TWO 55-SEATER BUS W/TWO DRIVERS FOR 24 HR COVERAGE.

>> RTPD. EMR PORTABLE WALKIE TALKIE DEVICE IN ARAMCO FOREMAN OFFICE.

>> RAWABI 4 X H2S STAND ALONE SENSORS.

=====EQUIPMENTS & RENTAL TOOLS=====

>> REPLACEMENT 4-3/4" NPS DJ SN# HJDA-475-0042 ON LOCATION SINCE 02/24/2023 AT 23:30.

>> 1 EA NOV 6-1/8" DLR SN: G277539 ON LOCATION 02/03/2023 AT 19:00.

===== ADJACENT WELLS STATUS =====

>> 5 OIL PRODUCER WELLS (KRSN-107, KRSN-108, KRSN-29, KRSN-172 & KRSN-128) LOCATED IN SAME PAD KP-15

=====NEXT LOCATION READINESS: =====

>> KRSN-108, KOM HELD UP ON 11/09/2022, LOCATION READINESS: 100 % FIELD SERVICE, 100 % WELLSITE.

>> KRSN-111, KOM HELD UP ON 2/13/2023, LOCATION READINESS: 0 % FIELD SERVICE, 0 % WELLSITE.

>> KRSN-138, KOM HELD UP ON 11/09/2022, LOCATION READINESS: 0 % FIELD SERVICE, 0 % WELLSITE.

>> KRSN-105, KOM HELD UP ON 11/09/2022, LOCATION READINESS: 0 % FIELD SERVICE, 0 % WELLSITE.

=====DRILLS, ORBITS & SAFETY TOPICS: =====

>> DRILLS:

=====DAILY CONSUMPTION=====

>> DAILY DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP): 38 BBLS & CUMULATIVE FOR MONTH OF FEB. 2023 = 1168 BBL.

>> DAILY POTABLE WATER CONSUMPTION FOR (RIG+CAMP): 260 BBLS & CUMULATIVE FOR MONTH OF FEB. 2023= 6700 BBL

Remarks

>> ARAMCO WOE YACOB AL SHAREKH ID#752124 ON LOCATION TO WITNESS RUNNING LOWER COMPLETION AND OBL LINER JOB.

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS								
MUD DATA	Weight <b>72 PCF</b>	Funnel Vis. <b>86 SEC</b>	Filtrate(WL) <b>1.8 HTHP</b>	Filtrate (WL) API	PV <b>17</b>	YP <b>21</b>	Electrical Stability <b>1050</b> Volts	3/6 RPM <b>12 / 14</b>	Gels Sec/Min <b>13 / 15</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>											
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>16</b>	Oil Vol. % <b>66</b>	Solids Vol. % <b>18</b>	Sand Vol. %	% LGS	MBT	Mud type <b>OBM</b>	Water Well # <b>FDHL-807</b>												
	Weight <b>72 PCF</b>	Funnel Vis. <b>87 SEC</b>	Filtrate(WL) <b>1.8 HTHP</b>	Filtrate (WL) API	PV <b>18</b>	YP <b>20</b>	Electrical Stability <b>1030</b> Volts	3/6 RPM <b>12 / 14</b>	Gels Sec/Min <b>12 / 14</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>											
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>16</b>	Oil Vol. % <b>66</b>	Solids Vol. % <b>18</b>	Sand Vol. %	% LGS	MBT	Mud type <b>OBM</b>	Water Well # <b>FDHL-807</b>												
MUD TREATMENT	<b>BARITE-BULK</b> <b>9(5000L)</b>																						
BIT DATA																							
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #									
Miscellaneous	BOP Test <b>02/19/2023</b>		BOP Drills <b>REGULARLY</b>			Wind <b>NO</b>		Sea <b>NO</b>		Weather <b>SEASONAL</b>		DSLTA <b>6012</b>		Safety Meeting <b>TOURLY</b>									
	Real-Time Data Quality			Sensors Quality			99%	Data Frequency			100%	Real-Time Hrs		11.49/24 hrs									
Personnel and Services Information	COMPANY		RIG	TGC	GDF	ASH	RUE	NPJ	BLH	VRA	ARM	SCM	MI2	ITS	ARM								
	CATEGORY		RIG	CTRG	DFMS	FLD	H2S	JST	LHES	OTHR	OTHR	PCS	SCS	PRS	WSC								
	NO. OF PERSONS		<b>63</b>	<b>12</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>3</b>								
	OPERATING HRS.		<b>24</b>	<b>0</b>	<b>12</b>	<b>12</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>24</b>								
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>									
Total	<b>97</b>																						
Trucks/Boats	Standby/Tankers		<b>52 PASSENGER BUS AT RIG SIT</b>			<b>46 PASSENGER BUS AT CAMPSITE</b>			<b>3 X RAW WATER TRUCK</b>			<b>GASOLINE - 68 BBLS</b>											
BULK	Drill Wtr.-BBLS <b>900</b>		Pot Wtr.- BBLS <b>260</b>		Fuel- BBLS <b>375</b>		Barite- SX		Bentonite - SX		Cement G- SX <b>1200</b>												
REPAIR ASAP	Instrumentation		Other												Reporter								
	Computer, Communication & V-Sat Issues																						

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HABA-816 (WATER WELL)</b> Charge (66- 23021-#: <b>0816</b> ) Wellbores: (0) HABA_816_0	Rig <b>SP-105</b>	Foreman(s) Engineer Superintendent	<b>DHAFEERI, YOUSIF MONAZEL/ QURAISHI, ABDULLAH AHMED/ ALHELAL, AHMAD TWFIQ/ ALKHALDI, MOHAMMED ZAIDI/ SARRANI, HASAN FAHAD</b>
			THURAYA <b>+8821677712248</b>	RIG FORMAN VSAT <b>5763184</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>335</b>	<b>DRILL 22" HOLE, CHC, POOH &amp; L/D REMEAR, RIH W/22" SLICK BHA TO CSG SHOE , WOW, RIH 22" SLICK BHA, DRILL 22" HOLE.</b>	<b>DRILL 22" HOLE, CHC, POOH TO SURFACE, RIH 22" BHA W/ REMEARS, WIPPER TRIP , CHC, POOH, RUN &amp; CMT 18- 5/8" CSG. WOC.</b>	<b>HABA-816 NEER AL-RAFEEA SITY.</b>	<b>5.0</b> (02/22/2023 @ 0500)	

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>258</b>					<b>24</b>	<b>119</b>	<b>119</b>	<b>77</b>	<b>0</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
12.0	0500 - 1700 0		22	N	DRLG	D	KELLY	RIG	258	308			<b>ROTARY DRILL 22" VERTICAL HOLE W/ 65 PCF SPUD MUD 100% RETURN. GOT TOTAL LOSSES @ 308'</b>  * HAD 100% LOST CIRCULATION @ 308'.  * VERY HARD SURFACE HOLE. * SWEEP HOLE W/ HVP 2 TIMES EVERY CONNECTION. * WASH UP & REAM DOWN 2 TIMES BEFORE CONNECTION.
00.5	1700 - 1730 0		22	N	DRLG	CIRC	MPMP	RIG	308	308			PUMP 50 BBL'S HVP, FOLLOWED BY 150 BBL'S LCM (130 PPB) & CHC , NO RETURN.
00.5	1730 - 1800 0		22	N	DRLG	D	KELLY	RIG	308	312			CONT. ROTARY DRILL" VERTICAL HOLE W/ 65 PCF SPUD MUD 0% CIRC RETURN, DRILL 4 FT BELOW LOSSES..  * WASH & REAM EVERY JOINT DRILLED TWO TIMES * SWEEP HOLE W/ 2 X 20 BBLS HI-VIS EVERY CONNECTION
00.5	1800 - 1830 0		22	N	DRLG	CIRC	MPMP	RIG	312	312			PUMP 50 BBLS HVP, CHC & SPOT 150 BBLS LCM (120 PPB).
01.0	1830 - 1930 0		22	N	DRLG	TO	STDP	RIG	312	312	312	0	POOH W/22" DRILLING BHA TO SURFACE FOR L/D REAMERS. ** PUMP 75 PCF MUD CAP FROM BACK SIDE W/30 BBL'S/HR.
01.5	1930 - 2100 0		22	N	DRLG	TI	STDP	RIG	312	312	0	119	HPJSM, RIH W/17" SLICK BHA TO 24" CSG SHOE. ** PUMP 75 PCF MUD CAP FROM BACK SIDE W/30 BBL'S/HR.
04.0	2100 - 0100 0		22	N	DRLG	WO	NA	RIG	312	312			WAITING TO COLLECT WATER & MIX MUD . ** PUMP 75 PCF MUD CAP FROM BACK SIDE W/30 BBL'S/HR.
01.0	0100 - 0200 0		22	N	DRLG	TI	STDP	RIG	312	312	119	312	HPJSM, RIH W/17" SLICK BHA TO BTM. ** PUMP 75 PCF MUD CAP FROM BACK SIDE W/30 BBL'S/HR.
03.0	0200 - 0500 0		22	N	DRLG	D	KELLY	RIG	312	335			CONT. ROTARY DRILL" VERTICAL HOLE W/ 65 PCF SPUD MUD 0% CIRC RETURN,  * WASH & REAM EVERY JOINT DRILLED TWO TIMES * SWEEP HOLE W/ 2 X 20 BBLS HI-VIS EVERY CONNECTION

**- OBJECTIVE:**

THE FOLLOWING IS THE RECOMMENDED DRILLING PROGRAM FOR HABA-816, WHICH WILL BE DRILLED AS WATER-WATER SUPPLY IN HABA.

THE WELL IS LOCATED 4.48 KM N78E OF HABA-4 AND 8.157 KM N71E OF HABA-3.

HABA-816 WILL BE USED AS DRILLING WATER SUPPLY WELL SUPPORTING EXPLORATORY CONVENTIONAL WELL HABA-1.

THE WELL SHOULD BE COMPLETED AS AN OPEN HOLE IN UMER AQUIFER.

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\*\*NEAREST HOSPITAL FOR EMERGENCY CONTACT:

- ALRAFEEAH GENERAL HOSPITAL PHONE# 0133880714

- DISTANCE (+/- 15 KM).

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- NEXT LOCATION:

\* WELL NAME: N/A

\* REQUEST DATE: N/A

\* LOCATION READINESS: N/A

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**WELL DESIGN:**

- 28" HOLE: SET 24" CSG @ 120' RKB

- 22" HOLE: SET 18-5/8" CSG @ 320' RKB

- 17" HOLE: SET 13-3/8" CSG @ 720' RKB

- 12.25" HOLE SECTION: THE WELL SHOULD BE COMPLETED AS 12.25" OPEN HOLE IN THE UMER AQUIFER AT TOTAL DEPTH OF 1570' RKB.

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- ELEVATION FROM RIG FLOOR TO GROUND LEVEL: 20 FT.

- ARAMCOLINK DATA TRANSMISSION SERVICE WILL BE USED FOR THIS WELL TO PICK UP CSG POINTS AND FORMATION TOPS BY RCC TEAM.

- CUSTOMIZE MUD LOGGING SERVICES IS REQUIRED IN THIS WELL FROM SURFACE TO TD.

- ZDL/CN/GR/RESISTIVITY LOGGING RUN IS REQUIRED.

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**RIG LOCATION:**

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**SAFETY: SPILL EMERGENCY RESPONSE PROCEDURE.**

**DRILLS: FIRE PUMP DRILL & ACCUMULATOR DRILL**

**STOP CARDS: 6.**

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**RENTAL TOOLS:**

\* OIL SERV 12" SHOCK SUB # ST-1200-0066 ARRIVED ON 2/21/2023 @ 18:30 HRS.

1-PU ON 2/22/23 @ 12:00 HRS. LD ON 2/23/23 @ 12:00 HRS.

2-PU ON 2/24/23 @ 10:00 HRS.

====

**SERVICE COMPANY:**

\* OES MUD ENGINEER ON LOCATION ON 2/21/2023.

\* HALLIBURTON MUD LOGGURE ON LOCATION ON 2/22/2023 @ 13:00 HRS.

\* SANJEL CEMENTING ON LOCATION ON 2/25/2023 @ 18:00 HRS.

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**ARAMCO:**

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**SINOPEC TANKERS, HEAVY EQUIPMENT & VEHICLES ON LOCATION:**

\* 8 RAW WATER TANKERS & 1 SWEET WATER TANKER.

\* 1 SINOPEC 4X4 AMBULANCE CAR.

\* 1 SINOPEC PICK-UP CAR.

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**WATER HAULAGE SINOPEC WATER TANKERS: (RAW WATER) WELL: (FURIDAH-802) STRAIGHT DISTANCE 33.5 KM.**

- DAILY NUMBER OF TRIPS = 0 TRIPS; TOTAL NUMBER OF TRIPS = 25 TRIPS FURIDAH-802 STRAIGHT LINE DISTANCE 33.5 KM

- DAILY DISTANCE = 0 X (2 X 33.5 KM) = 268 KM, TOTAL DISTANCE = 1675 KM.

- DAILY VOLUME = 0 M3; TOTAL VOLUME = 800 M3

- DAILY VOLUME = 0 GAL; TOTAL VOLUME = 211050 GAL

====

**WASTE MANAGEMENT KPI, CALCULATED TILL RKB**

- FLUID: DAILY=0 M3/TOTAL= 64 M3

- CUTTING: DAILY= 6.88 M3/ TOTAL= 22.38 M3

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**MUD PIT RECYCLED WATER VOLUME (M3):**

- DAILY RECYCLED WATER VOLUME: 24 M3.

- TOTAL RECYCLED WATER VOLUME: 72 M3.

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**DIESEL CONSUMPTION:**

- DAILY ARAMCO DIESEL CONSUMPTION: 16 BBL. TOTAL ARAMCO DIESEL CONSUMPTION: 62 BBL.

- DAILY SINOPEC DIESEL CONSUMPTION: 10 BBL. TOTAL SINOPEC DIESEL CONSUMPTION: 49 BBL.

- TOTAL DAILY CONSUMPTION: 26 BBL. TOTAL DIESEL CONSUMPTION: 111 BBL.

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**VACUUM TANKERS:**

Remarks

Lateral	Survey MD		Angle	Azimuth	CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
	Weight 65 PCF	Funnel Vis. 70 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 13	YP 32	Electrical Stability 0 Volts	3/6 RPM 14 / 18	Gels Sec/Min 19 / 23	PH 9.5	CA PPM 240	CL PPM 700
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	

MUD DATA	105	0	2	94	0	6	0.5	5.97	25	SPUD	HABA-802, HABA-801			
	Weight 65 PCF	Funnel Vis. 55 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 11	YP 26	Electrical Stability 0 Volts	3/6 RPM 8 / 11	Gels Sec/Min 12 / 16	PH 9	CA PPM 240			
	FL Temp 0	Cake HTHP 0	Cake API 2	Water Vol.% 98	Oil Vol.% 0	Solids Vol.% 2	Sand Vol.% 0	% LGS 1.97	MBT 20	Mud type SPUD	Water Well # HABA-802, HABA-801			
MUD TREATMENT	BENT 1(2200L)	SODASH 5(100LB)	CAUST 2(50LBP)											
BIT DATA	Bit Number 2RR	IADC 415	Size 22	Manufacturer SEC	Serial Number 837623	Type SR02S / 3 X 16 /	Jets 0.589	TFA 312	MD In 335	MD Out	TVD Out			
	Feet 25	Hours 65	WOB 1	RPM 1	I-Row WT	O-Row A	DC E	Loc 0	B 50	GPM 350	Pressure 191			
	Bit Number 2RR	IADC 415	Size 22	Manufacturer SEC	Serial Number 837623	Type SR02S / 3 X 16 /	Jets 0.589	TFA 119	MD In 312	MD Out	TVD Out			
DRILL STRING	Float Y													
	BHA Hrs:													
	String Wt.	Pick Up	Slack Off		Rot. Torque		Jars: Serial #/Hrs	/	Shock Sub:	/ 24	Mud Motor:			
	Float Y													
	BHA Hrs:													
	String Wt. 63	Pick Up 64	Slack Off 62		Rot. Torque 570		Jars: Serial #/Hrs	/	Shock Sub:	/ 24	Mud Motor:			
	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit	SEC	22	1	22		1.76	7-5/8" REG					837623
	2	Bit Sub	RIG	9.5	1	9.5	3	2.56	7-5/8" REG	7-5/8" REG				
	3	Shock Sub	OJR	12	1	12		10.47	7-5/8" REG	7-5/8" REG				ST12000066
Miscellaneous	BOP Test		BOP Drills		Wind		Sea N/A	Weather SEASONAL		DSLTA		Safety Meeting RIGGING DOWN		
			Real-Time Data Quality		Sensors Quality	100%	Data Frequency	100%		Real-Time Hrs	10.74/24 hrs			
	COMPANY	RIG	OES	SCC	HMS	RIG	SJC	ARM						
	CATEGORY	RIG	DFMS	CTR G	MLS	OTHR	PCS	WSC						
	NO. OF PERSONS	46	1	12	2	14	3	3					Total 81	
	OPERATING HRS.	12	12	0	12	12	0	12						
	ON LOCATION HRS.	24	24	24	24	24	24	24						
Trucks/Boats	Standby/Tankers <b>SINOPEC 4X4 AMBULANCE</b>	AB-5298		1 SINOPEC PICK-UP CAR.										
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS 290	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX 2300								
REPAIR ASAP	Instrumentation	Other										Reporter		
	Computer, Communication & V-Sat Issues													

D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>SHYB-1022 (WATER SUPPLY)</b> Charge #: <b>(58- 21072- 1022)</b> Wellbores: (0) SHYB_1022_0	Rig <b>SP-106</b>	Foreman(s) <b>SALHI, EID LAFI/ ALHELAL, AHMAD TWFIQ/ SARRANI, HASSAN FAHAD</b>
		Engineer Superintendent <b>THURAYA</b>	RIG FORMAN VSAT <b>+882167771173 572-7452</b> OTHER VSAT <b>572-0378</b>

Depth	Last 24 hr operations <b>1830 ,DRILL 12-1/4" HOLE SECTION</b>	Next 24 hr plan <b>CON'T DRILL 12-1/4" HOLE SECTION</b>	Location <b>SABKHA-66</b>	Days Since Spud/Comm (Date) <b>8.6 (02/18/2023@1400)</b>	Formation tops <b>PNGU 880 20 FT DEEP</b>		
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD <b>13 3/8 900900</b>	Footage <b>174</b>	Circ % <b>100</b>
							Summary of Operations

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth		
									Start	End	Start	End
<b>24.0</b>	<b>0500 - 0500</b>	<b>0</b>	<b>12 1/4</b>	<b>N</b>	<b>DRLG</b>	<b>D</b>	<b>KELLY</b>	<b>RIG</b>	<b>1656</b>	<b>1830</b>		

**ROTARY DRILL 12-1/4" HOLE W/ 75 PCF PHPA INHIBITED MUD.100% RETURN.  
 - WASH UP & REAM DOWN 2 TIMES EVERY CONNECTION  
 - SWEEP HOLE 2 TIMES W/ HI-VIS EVERY CONNECTION.**

#### OBJECTIVE:

- SHYB\_1022 WILL BE USED AS DRILLING WATER SUPPLY WELL SUPPORTING FACILITY SHYB GOSP-2 RO PLANT.
- THIS WELL WILL BE COMPLETED WITH AL-KHORAYEF ESP COMBINED WITH NON-METALIC TUBING IN UMER AQUIFER AT TOTAL DEPTH OF 2900 FT. BGL.

#### NEAREST HOSPITAL FOR EMERGENCY & CONTACT:

- SHAYBAH CLINIC PH: 0135788222, (TOTAL: +/- 35 KM)

#### NEXT LOCATION:

- WELL NAME: HIZEM-853.
- REQUEST DATE:
- LOCATION READINESS: NOT CHECKED YET.

#### WELL DESIGN:-

- 18-5/8" CSG (22" HOLE SECTION) @ 120' RKB. SET @ 120 FT.
- 13-3/8" CSG (17" HOLE SECTION) @ 880' RKB. SET
- 9-5/8" CSG (12-1/4" HOLE SECTION) @ 2420' RKB. SET
- 5-1/2" NON-METALIC COMP. (8-1/2" HOLE SECTION) @ 2920' RKB.
- \*\* ELEVATION FROM RIG FLOOR TO GROUND LEVEL: 20 FT.

- ARAMCO LINK DATA TRANSMISSION SERVICE WILL BE USED FOR THIS WELL TO PICK UP CSG POINTS AND FORMATION TOPS BY RCC TEAM.

- OPEN HOLE LOGGING IS NOT REQUIRED IN THIS WELL.

RIG LOCATION : . (FOLLOW RIG SIGN BOARD).

ECC RADIO NO COVERAGE CALL TELEPHONE # 8628272.

#### HELD DAILY SAFETY MEETING WITH RIG CREW:

- SHARE THE VIDEO OF HIGH PRESSURE RELEASE HAZARD
- SHARE THE VIDEO OF TRIP AND SLIP HAZARD
- GOOD HOUSEKEEPING TO THE OIL SLEDGE
- DISCUSS THE PTW FORM ISSUE.

#### DRILLS:ACCUMULATOR DRILL

#### SERVICE COMPANY:

- OES MUD ENGINEER ARRIVED ON LOCATION 10/13/2022 @ 19:00.
- 3 TAQA CEMENTING CREW ARRIVED LOCATION AT 8:00AM ON DEC. 25,2022,

#### RENTAL TOOLS:

RECEIVED OIL SERV 8-1/2" DRILLING JAR, (S/N: HMJ-850-0009.ON 02/21/2022 @ 13:30  
 1ST RUN P/U ON 02/23/2023 @ 00:30 HR'S

#### ARAMCO:

- WWDD FCT GHAZI ALSHAMMARY #783679 SINCE 02/23/2023.

#### WATER HAULAGE TANKERS:

MAIN SOURCE: SHYB-1007 (9.5 KM STRAIGHT DISTANCE)

-- DAILY NUMBER OF TRIPS =2 TRIPS; TOTAL NUMBER OF TRIPS =36 TRIPS.

- DAILY DISTANCE =38 KM; TOTAL DISTANCE =684 KM.  
- DAILY VOLUME =64 M3; TOTAL VOLUME =1152 M3.

- SWEET WATER: TOTAL NUMBER OF TRIPS =5 TRIPS. TOTAL VOLUME =160 M3.

=====  
WASTE CUTTINGS AND WASTE WATER (CUBIC METER) COUNT TO DEPTH: 1735 RKB.

-DAILY WASTE CUTTINGS =7 M3 WASTE CUTTINGS TOTAL CUMULATIVE=67.2 M3.

-DAILY WASTE WATER =9 M3 WASTE WATER TOTAL CUMULATIVE =114 M3.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS
MUD DATA	Weight 75 PCF	Funnel Vis. 64 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 16	YP 20	Electrical Stability 0 Volts	3/6 RPM 8 / 10	Gels Sec/Min 9 / 12	PH 9.5	CA PPM 240	CL PPM 4000				
	FL Temp 120	Cake HTHP 0	Cake API 1	Water Vol. 89	Oil Vol. 0	Solids Vol. 11	Sand Vol. % 0	% LGS 6.24	MBT 7.5	Mud type INPHPA	Water Well # SHYB-1007					
	Weight 75 PCF	Funnel Vis. 62 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 15	YP 22	Electrical Stability 0 Volts	3/6 RPM 8 / 10	Gels Sec/Min 9 / 11	PH 10	CA PPM 240	CL PPM 4000				
	FL Temp 125	Cake HTHP 0	Cake API 1	Water Vol. 90	Oil Vol. 0	Solids Vol. 10	Sand Vol. % 0	% LGS 4.1	MBT 7.5	Mud type INPHPA	Water Well # SHYB-1007					
MUD TREATMENT	SOLFLKF 7(55LB)	BCTR N 4(5GLD)	SODASH 2(100LB)	CAUST 5(50LB)	CITRICACID 1(50KG)	NEWDRILSTK 1(LB)	RD 1(50GL)	POLY-SAL 26(55LB)	PA CLV 10(50LB)	NA CL 3(2200L)	XANPLEX-D 1(55LB)	GEM-GP 1(55GL)	MRBL-M 2(2200L)	MAX-GUARD 2(55GL)		
BIT DATA	Bit Number 3RR	IADC M423	Size 12.25	Manufacturer SEC	Serial Number 13467578	Type GT65DH	Jets / 9 X 11 /	TFA 0.835	MD In 900	MD Out 1830						
	Feet 15	Hours 80	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP 163
DRILL STRING	Float Y															
	BHA Hrs: 92															
	String Wt. 82	Pick Up 82	Slack Off 81		Rot. Torque 2000		Jars: Serial #/Hrs	/	63		Shock Sub:	/	Mud Motor:	/		
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit			SEC	12.25	1			1.32	6 5/8"REG					13467578
	2	Near Bit Roller Reamer			RIG	12.25	1	12.25	2.875	6.11	6 5/8"REG					
	3	Drillcollar			RIG	8.25	1	8.25	2.875	28.88	6 5/8"REG					
	4	String Reamer			RIG	12.25	1	12.25	2.875	6.19	6 5/8"REG					
	5	Drillcollar			RIG	8.25	7	8.25	2.875	202.48	6 5/8"REG					
	6	Hydro-Mechanical Jar			OJR	8.5	1	8.5	3	30.9	6 5/8"REG					HMJ8500009
	7	Drillcollar			RIG	8.25	2	8.25	2.875	61.01	6 5/8"REG					
	8	Crossover			RIG	8.25	1	8.25	2.875	1.44	6 5/8"REG	4 1/2"IF				
	9	Heavy Weight Drillpipe (HWDP)			RIG	5	6	5	3	179.47	4 1/2" IF					
	10	Drillpipe			RIG	5	1	5	4.276	31.43	4 1/2" IF					
Miscellaneous	BOP Test 02/23/2023		BOP Drills 2/22/2023		Wind NORMAL		Sea N/A	Weather SEASONAL		DSLTA	Safety Meeting DAILY PRE TOUR MEETING.					
	Real-Time Data Quality				Sensors Quality			100%	Data Frequency		100%	Real-Time Hrs		11.49/24 hrs		
Personnel and Services Information	COMPANY		GOS	RIG	OES	RIG	ARM									Total 76
	CATEGORY		CTRG	RIG	DFMS	OTHR	WSC									
	NO. OF PERSONS		12	53	1	9	1									
	OPERATING HRS.		0	12	12	12	12									
	ON LOCATION HRS.		24	24	24	24	24									

Trucks/Boats	Standby/Tankers <b>AB-5450</b>	<b>SINOPEC PICKUP</b>	<b>8 RAW WATER TRUCKS</b>	<b>1 SWEET WATER TRUCK</b>		
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>57</b>	Barite- SX <b>71</b>	Bentonite - SX <b>34</b>	Cement G- SX <b>1700</b>
REPAIR ASAP	Instrumentation	Other				Reporter

Computer, Communication & V-Sat Issues

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D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY</b> 02/27/2023	Well No (Type) : <b>MNIF-238</b> <b>(MNIF RESERVOIR</b> <b>OIL PRODUCER)</b>	Rig <b>SP-110</b>	Foreman(s) <b>DJEDAIMI, ABDELKADER/ KHALIL, MOHAMED</b> <b>HUSSEIN/</b> <b>ZAKI, MOHAMMED JAFER/ NAJI, HUSAIN</b> <b>HASSAN/</b> <b>GARNI, ABDULLAH SALEH</b>
	Charge (66- 22026-#: <b>0238)</b>	Engineer Superintendent	THURAYA <b>8821677713751</b>
	Wellbores: (0) MNIF_238_0		RIG FORMAN VSAT <b>0135779600</b>

Depth	Last 24 hr operations	Next 24 hr plan								Location	Days Since Spud/Comm (Date)	Formation tops			
<b>17740</b>	<b>MRSS DRILL 8 1/2" HOLE TO 17,740'.</b>	<b>DRLG 8 1/2" HOLE TO 18,348', CHC, SHORT WIPER TRIP FOR 10 STD'S, RESUME DRLG 8 1/2" HOLE MEANWHILE RECORDING FORMATION PRESSURE.</b>								<b>MNIF-238</b>	<b>35.7</b> (01/15/2023@1500)	<b>BUWB 8793</b>	<b>7123' TVD (17' TVD SHALLOWER)</b>		
Prev. Depth	16230	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	9 5/8	92277320	1510	Circ %	100	
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	LT TYPE	LT ID	Summary of Operations		
02.5	0500 - 0730	0	8 1/2	N	DRLG	DMR	MRSS	BHI	16230	16360			BHI MRSS DRILL 8-1/2" HOLE W/ 77 PCF RHELIANT OBM & 100% CIRC.		
03.0	0730 - 1030	0	8 1/2	N	DRLG	RR	CSYS	RIG	16360	16360		RR	909599	HAD LEAKAGE FROM 2 ND STAND PIPE LINE CONNECTION, R/B ONE STD & CHANGED O-RING. - P/T STAND PIPE LINE TO 300/4500 PSI 10 MIN, OK NO LEAKAGE. - KEEP RECIPROCATING STRG UP/DOWN WHILE WORKING ON LEAK . - MONITOR WELL ON TRIP TANK - STATIC.	
01.5	1030 - 1200	0	8 1/2	N	DRLG	DMR	MRSS	BHI	16360	16460				BHI MRSS DRILL 8-1/2" HOLE W/ 77 PCF RHELIANT OBM & 100% CIRC.	
00.5	1200 - 1230	0	8 1/2	N	DRLG	PJSM	NA	RIG	16460	16460				HELD SAFETY STAND DOWN MEETING DISCUSSED THE FOLLOWING: - WORKING AT HEIGHT & CROSSING HP HAZARDS. - STOP WORK AUTHORITY. - HSE ALERT 23-23: WINDY WEATHER INCIDENT.	
11.5	1230 - 0000	0	8 1/2	N	DRLG	DMR	MRSS	BHI	16460	17400				BHI MRSS DRILL 8-1/2" HOLE W/ 77 PCF RHELIANT OBM & 100% CIRC.	
00.5	0000 - 0030	0	8 1/2	N	DRLG	PJSM	NA	RIG	17400	17400				HELD SAFETY STAND DOWN MEETING. DISCUSSED THE FOLLOWING: - WORKING AT HEIGHT & CROSSING HP HAZARDS. - STOP WORK AUTHORITY. - HSE ALERT 23-23: WINDY WEATHER INCIDENT	
03.0	0030 - 0330	0	8 1/2	N	DRLG	DMR	MRSS	BHI	17400	17687				BHI MRSS DRILL 8-1/2" HOLE TO 17,687' (KELLY DOWN), 77 PCF RHELIANT OBM & 100% CIRC.	
01.0	0330 - 0430	0	8 1/2	N	SUSP	WO	NA	ARM	17687	17687		WON	909655	SUSPENDED OPERATION (WAITING TO MAKE CONNECTION) DUE TO WINDY WEATHER CONDITIONS MEANWHILE CHC. - WIND SPEED 48-60 KM/HR.	
00.5	0430 - 0500	0	8 1/2	N	DRLG	DMR	MRSS	BHI	17687	17740				BHI MRSS DRILL 8-1/2" HOLE W/ 77 PCF RHELIANT OBM & 100% CIRC. * WOB 15-20 KLBS, FR 580 GPM, SPP 4350 PSI, 110-120 RPM, TQ 16-19 KLB-FT. * REAM UP/DOWN FULL STD EVERY 3 STD'S. * SWEEP HOLE WITH 10/20 BBLS LO-VIS/HI WTD PILL EVERY 2 STD'S. * LOAD MUD WITH BRIDGING MATERIAL AS PER PROGRAM.	

**Lost Time Details**

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
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27 Feb 0730 - 1030	3	3	909599		RR	FOT	CSYS	RIG	16360	HAD LEAKAGE FROM STAND PIPE LINE CONNECTION.
27 Feb 0330 - 0430	1	1	909655		WON	WTHR	NA	ARM	17687	HAVE HIGH WIND SPEED 48-50 KM/HR.

MNIF-238 WILL BE DRILLED AS A DUAL-LATERAL HORIZONTAL OIL PRODUCER TARGETING LRTW RESERVOIR. THE TOTAL DEPTH OF L-0 IS 23,007 FT-MD (7,912 FT-TVD). TOTAL DEPTH OF L-1 IS 22,698 FT-MD (7847 FT-TVD). THE WELL WILL BE COMPLETED AS SMART COMPLETION WITH ICVS & ESP.

#### SAFETY-----

- \* ACTIVATED SIMOPS ON DS-14 ON 02/08/2023 WITH 2 PRODUCING WELLS (MNIF-230, MNIF-234).
- \* EMERGENCY BUS & AMBULANCE ESCAPE ROUTE TO MANIFA STAGING AREA#4.
- \* ALL WELL HEADS, HEADER LINES & PROD FLOW LINES ARE BARRICADED WITH CONCRETE BLOCKS.

#### ARAMCO PERSONNEL, RENTAL TOOLS & OTHERS-----

- \* IMAD ABOUBOU ID # 8529227 ON LOCATION.
- \* MATERIAL EXPEDITOR MUTEB ALHARBI ID# 8411034 ON LOCATION
- \* 1 TAMIMI VACUUM TRUCKS ON LOCATION SINCE 17-OCT.-2022.
- \* 1 TAMIMI VACUUM TRUCKS ON LOCATION SINCE 22-JAN.-2023.
- \* 1 TAMIIMI BACKHOE ON LOCATION SINCE 18-AUG-2022.

#### Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
0	17531	87.80	335.42	95	7669.35	9108.42	8314.66	12224.17	1.62
0	17436	89.28	335.83	95	7666.93	9021.92	8353.85	12198.59	0.68
0	17341	88.82	335.38	95	7665.36	8935.41	8393.08	12173.04	1
0	17246	89.31	336.19	94	7663.81	8848.78	8432.04	12147.2	1.68
0	17152	89.44	337.76	95	7662.78	8762.28	8468.80	12119.76	2.04
0	17057	89.25	339.69	95	7661.7	8673.76	8503.27	12089.27	2.74
0	16962	89.44	342.29	95	7660.61	8583.96	8534.21	12055.24	2.32
0	16867	89.28	344.49	95	7659.55	8492.93	8561.36	12017.54	3.53
0	16772	89.31	347.84	94	7658.38	8400.71	8584.07	11975.65	2.99
0	16678	89.28	350.65	95	7657.22	8308.38	8601.61	11929.74	2.55
0	16583	89.16	353.07	93	7655.93	8214.35	8615.06	11879.6	3.79
0	16490	89.44	356.58	96	7654.79	8121.75	8623.45	11826.5	4.66
0	16394	89.53	1.05	93	7653.93	8025.80	8625.43	11766.35	4.19
0	16301	89.37	4.94	96	7653.04	7932.95	8620.58	11702.94	4.97
0	16205	89.47	9.71	96	7652.06	7837.76	8608.34	11632.39	2.76
0	16109	89.81	12.34	94	7651.46	7743.54	8589.98	11557.76	0.75

MUD DATA	Weight 77 PCF	Funnel Vis. 62 SEC	Filtrate(WL) 1.8 HTHP	Filtrate (WL) API	PV 27	YP 24	Electrical Stability 1020 Volts	3/6 RPM 12 / 13	Gels Sec/Min 14 / 17	PH 0	CA PPM 0	CL PPM 41000
	FL Temp 147	Cake HTHP 1	Cake API 0	Water Vol. % 15	Oil Vol. % 66	Solids Vol. % 19	Sand Vol. % 0	% LGS 7	MBT 0	Mud type RELIANT	SEA	Water Well #
	Weight 77 PCF	Funnel Vis. 63 SEC	Filtrate(WL) 1.8 HTHP	Filtrate (WL) API	PV 28	YP 24	Electrical Stability 989 Volts	3/6 RPM 12 / 13	Gels Sec/Min 14 / 17	PH 0	CA PPM 0	CL PPM 40000
	FL Temp 147	Cake HTHP 1	Cake API 0	Water Vol. % 16	Oil Vol. % 65	Solids Vol. % 19	Sand Vol. % 0	% LGS 7	MBT 0	Mud type RELIANT	SEA	Water Well #
MUD TREATMENT	SUREMUL 4(55GL)	MRBL-M 2(2200L)	MUL-XT 1(55GL)	CAOH2 30(25KG)	NSEAL 34(40LB)	LCLUBE 24(50LB)	CACO3-25 48(50LB)	CACO3-50 48(50LB)	ECOTROL-RD 32(50LB)			

BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out					
	7RR	M223	8.5	HTC	7916986	DD505VX	/ 7 X 13 /	0.907	14918	17740						
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
									4350	580	206	300.86			131	

DRILL	Float Y															
	BHA Hrs: 15															
	String Wt. 165	Pick Up 240	Slack Off 140	Rot. Torque 19			Jars: Serial #/Hrs	/	94.3	/	Shock Sub:	/				
								/			Mud Motor:	/				
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit			HTC	8.5	1	8.5		0.85	4-1/2" REG					7916986
	2	RSS			BHI	7.56	1	7.56	1.543	10.45	4-1/2" R	4-1/2" REG				
	3	Mud Motor			BHI	6.791	1	7.02	2.25	33.94	T2	T2				
	4	Stabilizer			BHI	7.02	1	8.375	2.25	3.7	T2	T2				
	5	Measurement While Drilling (MWD)			BHI	6.75	1	6.75	2	16.95	T2	T2				
	6	Stabilizer			BHI	7.02	1	8.375	2.25	4.19	T2	T2				
	7	Power & Communication Sub			BHI	6.75	1	6.75	3	16.15	T2	T2				

STRING	8	Logging While Drilling (LWD)	BHI	6.75	1	6.75	1.875	9.71	T2	T2
	9	Logging While Drilling (LWD)	BHI	6.75	1	6.75	2.264	9.09	T2	T2
	10	Stabilizer	BHI	7.02	1	8.375	2.25	4.3	T2	T2
	11	Logging While Drilling (LWD)	BHI	6.75	1	6.75	2.125	24.19		
	12	Stop Sub	BHI	7.04	1	7.04	2.81	2.5	4-1/2 IF	T2
	13	Stabilizer	BHI	6.75	1	8.25	2.25	5.25	4-1/2 IF	4-1/2 IF
	14	Float Sub	BHI	6.75	1	6.75	2	3.45	4-1/2 IF	4-1/2 IF
	15	Filter Sub	BHI	6.75	1	6.75	2	5.2	4-1/2 IF	4-1/2 IF
	16	PBL (Multiple Activation By Pass)	SAM	6.75	1	6.75	2.25	8.69	4-1/2 IF	4-1/2 IF
	17	Heavy Weight Drillpipe (HWDP)	RIG	5	1	5	3	30.53	4-1/2 IF	4-1/2 IF
	18	Dogleg Reamer	NRT	6.626	1	6.626	3	4	4-1/2 IF	4-1/2 IF
	19	Heavy Weight Drillpipe (HWDP)	RIG	5	3	5	2.98	92.25	4-1/2 IF	4-1/2 IF
	20	Hydro-Mechanical Jar	CTC	6.57	1	6.57	2.98	29.38	4-1/2 IF	4-1/2 IF
	21	Heavy Weight Drillpipe (HWDP)	RIG	5	3	5	2.98	92.13	4-1/2 IF	4-1/2 IF
	22	Drillpipe	RIG	5	1	5	4.276	31.62		
Miscellaneous	BOP Test 02/17/2023	BOP Drills 02/17/2023	Wind	Sea	Weather	DSLTA	Safety Meeting <b>2X STAND DOWN MEETINGS</b>			
	Real-Time Data Quality	Sensors Quality	97%	Data Frequency	96%	Real-Time Hrs	10.99/24 hrs			
Personnel and Services Information	COMPANY	TGC	BHI	RIG	GDF	SNS	ARM	MI2	ARM	
	CATEGORY	CTR G	DPDS	RIG	DFMS	H2S	OTHR	SCS	WSC	
	NO. OF PERSONS	13	4	73	2	2	2	1	2	Total 99
	OPERATING HRS.	0	24	24	24	24	12	24	24	
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers									
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>557</b>	Barite- SX	Bentonite - SX	Cement G- SX <b>400</b>				
REPAIR ASAP	Instrumentation	Other								Reporter
	Computer, Communication & V-Sat Issues									

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>MNIF-183 (SINGLE HORIZONTAL OIL PRODUCER TARGETING LOWER RATAWI RESERVOIR)</b>	Rig <b>SP- 120</b>	Foreman(s) <b>RADWAN, MAHMOUD MOHAMED/ HAJRI, EID SAAD/ KHAMRA, DJAMEL/</b>
Engineer Superintendent	<b>MURALIDHARAN, DWARAKANATH CHITRAKARUR/ GARNI, ABDULLAH SALEH</b>	THURAYA	<b>RIG FORMAN VSAT</b>
	<b>008821677713756</b>	<b>013-379-5222</b>	<b>CONTRACTOR/CLERK VSAT</b>

Depth	Last 24 hr operations					Next 24 hr plan			Location			Days Since Spud/Comm (Date)			Formation tops			
Prev. Depth																		
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations			
1430	P/T 20-3/4" BOP, P/U, M/U & RIH 16" BHI DIR BHA, C/O CMT, MMOT DRILL 16" HOLE.		MMOT DRILL 16"						1008	1008			BOP	909549	CONT. FIX LEAK FROM 20-3/4" BOP FLANGES, FIXED SAME.			
03.0	0500 - 0600 0	22	N	BOP	OTH	BOP	RIG	1008	1008						HPJSM, PRESSURE TEST 20-3/4" BOP STACK TO 300/1000 PSI. - OFFLINE TEST CHOKE MANIFOLD TO 300/3000 PSI FOR 10 MIN. - OFFLINE TEST FLARE LINES TO 300/1200 PSI FOR 10 MIN.			
00.5	0600 - 0900 0	22	N	BOP	SDR1	NA	RIG	1008	1008						PERFORM ACCUMULATOR DRILL, FINAL PRESS 1800 PSI, RECHARGE TIME 02 MIN 10 SEC.			
01.0	0900 - 0930 0	22	N	BOP	OTH	BOP	RIG	1008	1008						RETRIEVE & L/D CUP TESTER ASSY, RACK BACK 2 STANDS 5" HWDP.			
00.5	0930 - 1030 0	22	N	BOP	BOPT	BOP	RIG	1008	1008						P/T BLIND RAM AGAINST CSG TO 500 PSI FOR 10 MIN - OK.			
00.8	1030 - 1100 0	22	N	DRLG	RR	TDS	RIG	1008	1008						HPJSM, SERVICE TDS & DRAWWORKS.			
00.5	1100 - 1145 0	22	N	DRLG	PJSM	NA	RIG	1008	1008						CONDUCTD SAFTEY STAND DOWN MEETING AND DISCUSSED HAZARDS WHILE DRILLING AND CHEMICALS MIXING OPERATIONS.			
01.5	1145 - 1215 0	22	N	DRLG	HT	BHA	BHI	1008	1008						HPJSM, P/U & M/U 16" HUGHES NEW TCI BIT (VGAC10MH S/N: Z235YT NOZZLE: 3X18 + 1X16) AND BHI MOTOR BHA, ALIGN MWD W/ MOTOR HIGH SIDE. * MTR SLEEVE GAUGE: 15 3/4" & STRG STAB GAUGE: 14-1/2".			
00.8	1215 - 1345 0	22	N	DRLG	LDP	BHA	RIG	1008	1008	85	268				RIH W/ 16" MMOT BHA ON 2 JT'S 9-1/2" DC, 1 STD 8-1/4" DC, 9" NPS HYDRO-MECH JAR.			
00.5	1345 - 1430 0	22	N	DRLG	CIRC	MPMP	RIG	1008	1008						HYDRO TEST JAR, OK. SHALLOW TEST 16" BAKER DIR TOOLS AT 800 GPM /1050 PSI.			
00.8	1430 - 1500 0	22	N	DRLG	LDP	BHA	RIG	1008	1008	268	540				CONT. P/U & RIH 16" MMOT BHA ON 6 JTS 8-1/4" DC SINGLES FROM RACK.			
00.8	1500 - 1545 0	22	N	DRLG	TI	BHA	RIG	1008	1008	540	990				CONT. RIH 16" MMOT BHA, WASH DOWN TILL TAG CEMENT AT 990'.			
00.8	1545 - 1630 0	22	N	DRLG	CIRC	MPMP	RIG	1008	1008						DISPLACE WELL TO 66 PCF INHIBITED WBM, CIRC & CONDITION MUD.			
00.2	1630 - 1715 0	22	N	DRLG	PTST	MPMP	RIG	1008	1008						P/T CSG TO 200 PSI FOR 10 MIN- OK.			
00.8	1715 - 1730 0	22	N	DRLG	DFS	MMOT	BHI	1008	1008	995	1008				DRILL OUT CMT & FLOAT SHOE TO 1006', C/O RAT HOLE TO BTM AT 1008'.			
00.8	1730 - 1815 0	22	N	DRLG	DMR	MMOT	BHI	1018	1018						DRILL 10 FT NEW FORMATION TO 1018'.			
00.5	1815 - 1900 0	16	N	DRLG	MMOT	BHI		1018	1018						POOH TO CSG SHOE, F/C- WELL STATIC.			
00.5	1900 - 1930 0	16	N	DRLG	OTH	NA	RIG	1018	1018						BHI MMOT DRILL 16" HOLE W/66 PCF WBM, 100% CIRC.			
04.2	1930 - 2345 0	16	N	DRLG	DMR	MMOT	BHI	1018	1187						- DRILL WITH REDUCED PARAMETERS UNTIL BHA IS OUT OF CSG.			
00.5	2345 - 0015 0	16	N	DRLG	PJSM	NA	RIG	1187	1187						CONDUCTD SAFTEY STAND DOWN MEETING AND DISCUSSED HAZARDS WHILE DRILLING AND CHEMICALS MIXING OPERATIONS. ** DISCUSSED SAFETY ALERT 22-20 RELATED TO FLOORMAN FALL FROM V-DOOR.			
04.8	0015 - 0500 0	16	N	DRLG	DMR	MMOT	BHI	1187	1430						BHI MMOT DRILL 16" HOLE W/70 PCF WBM, 100% CIRC. - DRILLING PARAMETERS: WOB 20-40 KLBS, TOTAL RPM: 175, FR 950 GPM, PRESS 1100 PSI, TRQ 8000 KFT-LBS. - INCREASED MUD WEIGHT TO 70 PCF BEFORE UER			

AT +/- 1301'.

- PUMP 50 BBL HI-VIS SWEEP EVERY STD AND 20 BBL CAUSTIC PILL EACH 2 STD DRILLED.
- LOAD ACTIVE MUD SYSTEM WITH LCM AS PER PROGRAM.
- REAM UP/ DOWN ONE JT EVERY STD DRILLED AND ONE STD EVERY 3 STD'S DRILLED.

**Lost Time Details**

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
26 Feb 0015 - 0600	1	5.75	909549		BOP	FOT	BOP	ARM	1008	FIXING LEAK BETWEEN ARAMCO BOP FLANGES WHILE PRESSURE TESTING.

MNIF-183 WILL BE DRILLED AS A SINGLE LATERAL HORIZONTAL OIL-PRODUCER TARGETING LOWER RATAWI RESERVOIR, THE TOTAL DEPTH IS 18,348' MD (7,811' TVD). THE WELL WILL BE COMPLETED WITH BAKER ESP UPPER COMPLETION.

**SAFETY**

\* DEACTIVATED SIMOPS ON DS-09 AND SHUT-IN 3 PRODUCING WELLS (MNIF-180, 181 & 182).

\* INSTALLED RAWABI H2S REMOTE SENSORS.

\* EMERGENCY BUS, AMBULANCE & LIFE BOAT ON LOCATION. ESCAPE ROUTE TO MANIFA STAGING AREA#4.

\* ALL WELL HEADS, HEADER LINES & PROD FLOW LINES ARE BARRICADED WITH CONCRETE BLOCKS.

**ARAMCO PERSONNEL, RENTAL TOOLS & OTHERS**

\* MATERIAL EXPEDITOR ABDULRAHMAN AL-REHALI ID#763087 ON LOCATION SINCE 02/13/2023.

\* HSE MOHAMMED ALALYANI # 777193 ON LOCATION.

**Remarks**

Lateral	Survey MD		Angle	Azimuth		CLength	TVD		N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
0	1214	1.50	37.65	189		1213.96		6.85		-1.96		6.85	0.94	
0	1025	0.44	275.00	906		1024.98		4.83		-2.75		4.83	0.08	
0	119	0.53	9.00	84		119		0.39		0.06		0.39	0.63	

MUD DATA	Weight 68 PCF	Funnel Vis. 55 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 12	YP 22	Electrical Stability Volts	3/6 RPM 6 / 7	Gels Sec/Min	PH 7 / 10	CA PPM 9.5	CL PPM 320	Water Well # 45000
	FL Temp 0	Cake HTHP 0	Cake API 1	Water Vol. % 92	Oil Vol. % 0	Solids Vol. % 8	Sand Vol. % 0	% LGS 3.64	MBT 15	Mud type GEL-POL	Water Well # SEA		
	Weight 68 PCF	Funnel Vis. 63 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 11	YP 26	Electrical Stability Volts	3/6 RPM 12 / 13	Gels Sec/Min	PH 15 / 25	CA PPM 9.5	CL PPM 240	Water Well # 4500
	FL Temp 0	Cake HTHP	Cake API	Water Vol. % 91	Oil Vol. % 0	Solids Vol. % 9	Sand Vol. % 0	% LGS 4.11	MBT 25	Mud type SPUD	Water Well # SEA		

MUD TREATMENT	XC	BARITE	PACLV	CAUST	S-TIN	PIPE-LAX	LUBE-167	CACL2-80	BICB	CITRICACID	NEWDRLLPLUS	PENETREX	MAX-GUARD
	5(55LB)	19(5000L)	75(55GL)	8(55LB)	10(55LB)	4(55GL)	1(55GL)	2(2200L)	40(55LB)	3(100LB)	8(55LB)	16(55GL)	16(55GL)

BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out		
	2	435	16	HTC	Z235YT	VGAC10MH	/ 3 X 18 / 1 X 16 /	0.942	1008	1430			
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel
									2100	950	324	100.8	123.89
													486

DRILL STRING	Float Y													
	BHA Hrs: 12													
	String Wt. 140	Pick Up 142	Slack Off 138	Rot. Torque 8000				Jars: Serial #/Hrs	/ 12	Shock Sub:	/	Mud Motor:	/ 12	
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade
	1	Bit			HTC	16	1	16	0	1.35	7 5/8" REG	N/A	0	
	2	Mud Motor			BHI	11.75	1	15.75	0	40.71				15084468
	3	Stabilizer			BHI	14.5	1	9.5	3.5	7.44	7 5/8" REG	7 5/8" REG	0	SDT11960
	4	Measurement While Drilling (MWD)			BHI	9.5	1	9.5	3	35.6	7 5/8" REG	7 5/8" REG	0	ZDHP1059038
	5	Drillcollar			RIG	9.5	2	9.5	3	60.56	7 5/8" REG	7 5/8" REG	0	ON FILE
	6	Crossover			RIG	9.5	1	9.5	3	2.57	6 5/8" REG	7 5/8" REG	0	18745
	7	Drillcollar			RIG	8.25	3	8.25	3	91.17	6 5/8" REG	6 5/8" REG	0	ON FILE
	8	Hydro-Mechanical Jar			NPJ	9	1	9	3	28.07	6 5/8" REG	6 5/8" REG		GE-01-00185
	9	Drillcollar			RIG	8.25	9	8.25	3	272.97	6 5/8" REG	6 5/8" REG	0	ON FILE
	10	Crossover			RIG	8.25	1	8.25	3	2.57	4 1/2" IF	6 5/8" REG	0	222
	11	Heavy Weight Drillpipe (HWDP)			RIG	5	15	5	3	458.53	4 1/2" IF	4 1/2" IF	0	ON FILE
	12	Drillpipe			RIG	5	2	5	4.276	0	4 1/2" IF	4 1/2" IF	0	ON FILE

Miscellaneous	BOP Test 02/26/2023	BOP Drills	Wind SEASONAL	Sea	Weather SEASONAL	DSLTA	Safety Meeting DAILY
	Real-Time Data Quality	Sensors Quality	99%	Data Frequency	98%	Real-Time Hrs	10.74/24 hrs

Personnel and Services Information	COMPANY	TGC	BHI	RIG	EMC	RUE	RIG	ARM	ARM	Total 85				
	CATEGORY	CTRG	DPDS	RIG	DFMS	H2S	MED	OTHr	WSC					
	NO. OF PERSONS	15	3	60	1	1	1	1	3					
	OPERATING HRS.	0	17	12	12	12	12	12	12					
	ON LOCATION HRS.	24	24	24	24	24	24	24	24					
	Standby/Tankers													

Trucks/Boats	<b>AB-7137</b>	<b>AMBULANCE</b>	<b>EMERGENCY BUS</b>	<b>LIFE BOAT</b>			
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>539</b>	Barite- SX	Bentonite - SX	Cement G- SX <b>1300</b>	
REPAIR ASAP	Instrumentation	Other	Computer, Communication & V-Sat Issues				Reporter

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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>KHBR-802 (WATER SUPPLY)</b> Charge (66- 22861-#: <b>0802</b> ) Wellbores: (0) KHBR_802_0	Rig <b>SP-121</b> Foreman(s) <b>ZAGHARY, AHMED SAMI/ KHAYAT, ABDULLAH MARWAN/ ANS, MUHAMMAD AHMED/ ABADA, YASSINE</b> Engineer Superintendent	THURAYA <b>+8821677713971</b>	RIG FORMAN VSAT <b>0136731703</b>	OTHER VSAT <b>0138805588</b>	CONTRACTOR/CLERK VSAT <b>0136731702</b>
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Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops	
<b>3500</b>	<b>SPOT ACID PILL, WAIT F/ ACID SOAKING, DISP. TO WATER, POOH W/ 5" OEDP TO SURFACE &amp; RIH SINOPEC 10-1/8" X 24 STAGES WATER TEST PUMP T/260'.</b>	<b>CONT. RIH WITH WATER TEST PUMP, TEST THE WELL, POOH &amp; L/D.</b>	<b>KHBR FIELD, 318 KM FROM DAHRAN MAIN GATE.</b>	<b>19.5 (02/07/2023@0900)</b>	<b>UERA 2530 145' DEEPER</b>	
Prev. Depth <b>3500</b>	Liner Size	TOL	MD TVD	Last Csg Size <b>13 3/8</b> MD <b>2547</b> TVD <b>2547</b>	Footage <b>0</b>	Circ % <b>98</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations	
									Start	End	Start	End				
02.5	0500 - 0730	0		E	TEST	OTH	NA	OCT	3500	3500					HPJSM, R/U OILSERV ACID UNIT/LINES, P/T LINES TO 300/2000 PSI-OK, OILSERV PUMP 140 BBLS OF ACID (15% HCL + 5 LBS/1,000 GALLONS CORROSION INHIBITOR) & DISPLACED BY 60 BBLS 72 PCF CACL2 BRINE. - SLIGHT RETURN WHILE DISPLACING ACID. - PUMPING RATE WAS 5 BPM, PRESSURE 380 PSI.	
01.0	0730 - 0830	0		E	TEST	A	NA	OCT	3500	3500			HSEI	909638	HELD SAFETY STAND DOWN MEETING WITH ALL PERSONNEL ON LOCATION DISCUSS THE FAI, REVIEW THE WRONG PRACTICE, ROUTE CAUSES AND SWA IMPLEMENTATION. WHILE CLEANING OFFLINE THE EMPTY ACID TANK, THE IP MONITORING THE LEVEL AT AN OPEN HATCH AT THE TOP OF THE TANK, HE GOT ACID VAPOUR BREEZING ON HIS FACE.	
00.8	0830 - 0915	0		E	TEST	TO	STDP	RIG	3500	3500	3500	2547			POOH WITH 5" OEDP TO 13-3/8" CSG SHOE @ 2,547'. - FLUID LEVEL IS NOT VISIBLE FROM THE ANNULUS.	
02.2	0915 - 1130	0		E	TEST	OTH	NA	RIG	3500	3500					WAIT FOR ACID SOAKING WHILE MONITORING THE WELL MEANWHILE L/D 12 JTS OF 8-1/4" D/C'S. - FLUID LEVEL IS NOT VISIBLE FROM THE ANNULUS.	
00.8	1130 - 1215	0		E	TEST	PJSM	NA	RIG	3500	3500					HELD STAND DOWN MEETING WITH ALL PERSONNEL ON RIG DISCUSSED ABOUT THE CURRENT RIG OPERATIONS, SWA, PROPER HAND/BODY PLACEMENT, PINCH POINTS PREVENTION, HOUSEKEEPING, PROPER MECHANICAL/ELECTRICAL ISOLATION, SAFE USE OF PRESSURE WASHER, REVIEW SAFETY ALERTS, RAW ACID HANDLING SAFE PRACTISES & LIFESAVING RULES.	
00.8	1215 - 1300	0		E	TEST	TI	STDP	RIG	3500	3500	2547	3500			RIH WITH 5" OEDP TO BTM @ 3,500'. - FLUID LEVEL IS NOT VISIBLE FROM THE ANNULUS.	
01.2	1300 - 1415	0		E	TEST	CIRC	MPMP	RIG	3500	3500					HPJSM, CLOSE DIVERTER, CIRCULATE OUT ACID THROUGH HCR LINE WITH TWICE HOLE VOLUME 940 BBLS OF WATER. - RECEIVED RETURN AFTER PUMPED 94 BBLS ( FLUID LEVEL @ 732'). - DUMP ACID TO WASTE PIT AND NEUTRALISED WITH SODA ASH.	
00.8	1415 - 1500	0		E	TEST	OTH	NA	RIG	3500	3500					FLOW CHECK OBSERVED 45 BPH STATIC LOSSES.	
02.5	1500 - 1730	0		E	TEST	TO	STDP	RIG	3500	3500	3500	0			POOH WITH 5" OEDP TO SURFACE.	
01.5	1730 - 1900	0		E	TEST	WO	NA	ARM	3500	3500			WON	909600	SUSPENDED OPERATION DUE TO	

## Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
27 Feb 1730 - 1900	1.5	1.5	909600		WON	WTHR	NA	ARM	3500	SUSPENDED OPERATION DUE TO SANDSTORM AND WIND SPEED OVER 35 KMH.
27 Feb 0730 - 0830	1	1	909638		HSEI	UNKN	NA	OCT	3500	FAI- ACID VAPOUR BREEZING OILSERV OPERATOR FACE WHILE MONITORING THE ACID TANK LEVEL AT THE TOP OF THE TANK, DURING OFFLINE FLUSHING ACID SUCTION LINE TO R/D EQPTS-HELD STAND DOWN MEETING WITH ALL PERSONNEL ON LOCATION.

**KHBR-802 WILL BE DRILLED AS WATER SUPPLY IN KHBR TARGETING UMM ER RADHUMA AQUIFER WITH TOTAL DEPTH OF 3,435 FT-MD/TVD WITH OPEN HOLE COMPLETION. PUMP TEST FLOW KHOBAR/ALAT AND UMER WATER AQUIFERS. KHBR\_802 WILL BE USED AS DRILLING WATER SUPPLY WELL SUPPORTING EXPLORATORY CONVENTIONAL WELL KHBR-3.**

**WATER SUPPLY WITH HAULING TANKERS FROM WELLS DBDS-803 +/- 145 KM (MAIN), SHRR-804 +/- 150 KM (BACKUP), FRDH-801 +/- 200 KM (BACKUP).**

----- SAFETY -----

\* REPORTED OBSERVATIONS IN SLS: 4483353, 4483379, 4483388, 4483407, 4483422, 4483455, 4483492, 4483504, 4483523, 4483544

**\* DISCUSSED SAFETY ALERTS:**

\* REPORTED NM IN SLS: 4483812

----- WELL DESIGN -----

\* 28" SECTION TD @ 140' MD/TVD.

\* 22" SECTION TD @ 898' MD/TV<sub>D</sub> 48 FT INTO DMM<sub>M</sub>.

\* 17" SECTION TD @ 2,550' MD/TVD 20 FT INTO UMER.

\* 12.25" SECTION ID @ 3,500' MD/IVD (OPEN HOLE).  
ADAMS PERSONNEL BENEFITS

==== ARAMCO PERSONNEL, RENTAL TOOLS & OTHERS =====

\* ABDULLAH ALSUBAIE #8546038 MATERIAL EXPEDITOR ON LOCATION SINCE 01/13/2023.  
\* MUDARAK KHATER #7516208 BIG FOREMAN ON LOCATION SINCE 02/15/2020.

\* MUBARAK KHATER #754208 RIG FOREMAN ON LOCATION SINCE 02/13/2023.  
\* 15 WATER TANKERS ON LOCATION SINCE 02/22/2023

- \* 15 WATER TANKERS ON LOCATION SINCE 02/02/2023.
- \* EMERGENCY MUD ENGINEER ON LOCATION

\* OIL SERVY ACID CREW ON LOCATION 2

~~• OILSERV ACID CREW ON LOCATION 2/25/2023 @ 19:00; ACID TRANSPORTER @ 22:00 & PUMP UNIT @ 00:00 & RELEASED ON 02/26/2023 @ 09:00.~~

\* ENGINES DIESEL CONSUMPTION (LIG+CAMP) FOR THE WELL

----- ENGINES DIESEL CONSUMPTION (RIG+CAMP) FOR THE WELL KHBR-802 (DAILY: 48 BBL / TOTAL: 1384 BBL). -----  
----- NEXT LOCATION -----

\* KHBR-3 (SAME PAD)

RHBR-3 (SAME PAD).

#### Remarks

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	Weight <b>70</b> PCF	Funnel Vis. <b>57</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>18</b>	YP <b>21</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>11 / 12</b>	Gels Sec/Min <b>11 / 17</b>	PH <b>9</b>	CA PPM <b>280</b>	CL PPM <b>121000</b>						
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>89.5</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>10.5</b>	Sand Vol. % <b>0</b>	% LGS <b>3.79</b>	MBT <b>7</b>	Mud type <b>NCPOL</b>	Water Well # <b>KHBR-801</b>							
MUD TREATMENT	<b>CACL2-98</b> <b>18(2200L)</b>																	
BIT DATA																		
DRILL STRING	Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #																	
Miscellaneous	BOP Test <b>02/22/2023</b>	BOP Drills	Wind <b>MODERATE</b>			Sea <b>NA</b>	Weather <b>SEASONAL</b>			DSLTA	Safety Meeting <b>PRE-TOUR</b>							
	Real-Time Data Quality		Sensors Quality		100%	Data Frequency		100%	Real-Time Hrs		10.74/24 hrs							
Personnel and Services Information	COMPANY	<b>GOS</b>	<b>RIG</b>	<b>EMC</b>	<b>RIG</b>	<b>ARM</b>	<b>OCT</b>	<b>ARM</b>										
	CATEGORY	<b>CTR G</b>	<b>RIG</b>	<b>DFMS</b>	<b>OTHR</b>	<b>OTHR</b>	<b>PCS</b>	<b>WSC</b>										
	NO. OF PERSONS	<b>13</b>	<b>54</b>	<b>1</b>	<b>8</b>	<b>1</b>	<b>3</b>	<b>3</b>										
	OPERATING HRS.	<b>0</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>12</b>	<b>4</b>	<b>24</b>										
	ON LOCATION HRS.	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>4</b>	<b>24</b>										
Trucks/Boats	Standby/Tankers <b>AB-5507</b>	<b>AMBULANCE</b>																
BULK	Drill Wtr.-BBLS <b>1000</b>	Pot Wtr.- BBLS <b>1000</b>	Fuel- BBLS <b>392</b>	Barite- SX <b>151</b>	Bentonite - SX <b>171</b>	Cement G- SX <b>600</b>												
REPAIR ASAP	Instrumentation		Other Computer, Communication & V-Sat Issues <b>- RIG LOCATION OUT OF TETRA RADIO COVERAGE .</b>															

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Total  
**83**

Reporter

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 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ANDR-600 (REPAIR TCA/CCA1 COMM. SIDETRACK, DRILL 5-7/8" HOLE AS A KHUFF-B PRE-SET WELL.)</b> Charge #: <b>(71- 22056- 9600)</b> Wellbores: (0) ANDR_600_0	Rig <b>SP-122</b>	Foreman(s) <b>HARTHI, HANI MASAAD/</b> Engineer <b>RAMDHAN, HUSSAIN SALMAN/</b> Superintendent <b>MILLER, CLAYTON LOWELL</b>
	THURAYA <b>+8821677712817</b>	RIG FORMAN VSAT <b>013 572 3615</b>	CONTRACTOR/CLERK VSAT <b>013 572 4517</b>

Depth	Last 24 hr operations			Next 24 hr plan			Location			Days Since Spud/Comm (Date)			Formation tops		
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %	0	0				
<b>11979</b>	P/T TREE W/ N2, P/T TBG BONNET INTEGRITY & TCA, MONITOR CCA1, RETRIEVE BPV, RECORD SIWHP, TEST EZSV-BP, MONITOR CCA1/TCA, S/L DRIFT	S/L DRIFT, RIH NESR PUNCHER, PUNCH TBG, POH, CIRC WELL W/KILL BRINE 69 PCF, PT WELL, RIH S/L, SET INTERWELL BP, SET BPV, ND TREE & NU BOP	121 KM FROM DHAHRAN MAIN GATE	2.0	(02/25/2023@0600)										
Summary of Operations															
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth					
									Start	End	Start	End			
01.8	0500 - 0645	0		N	WH	PTST	TREE	RIG	13817	13817			CONT NPS PRESSURE TESTED SURFACE LINES & CHOKE MANIFOLD UP STREAM VALVES WITH NITROGEN TO 300 PSI LOW /8,000 PSI HIGH. OK.		
01.5	0645 - 0815	0		N	WH	PTST	TREE	RIG	13817	13817			NPS P/T PRODUCTION TREE VLV'S & MLMV TO 300/8,000 PSI WITH N2 - OK.		
01.0	0815 - 0915	0		N	WH	PTST	TREE	GEP	13817	13817			PERFORMED VG TBG HGR INTEGRITY TEST/VOID TEST TBG BONNET TO 7,500 PSI / 30 MIN - OK.		
04.0	0915 - 1315	0		N	DCOM	OTH	NA	RIG	13817	13817			SHUT-IN AND MONITOR PRESSURE RESPONSES IN TCA AND CCA FOR 4 HRS. -> TCA PRESSURE = 0 PSI (NO BUILD UP PRESSURE). -> CCA1 = 29 PSI		
03.8	1315 - 1700	0		N	DCOM	OTH	NA	RIG	13817	13817			FILL UP TCA WITH 495 BBLS. PRESSURE TEST TCA TO 1,000 PSI FOR 1 HOUR; PRESSURE HOLD. -> CCA1 PRESSURE: 4 PSI -> PUMPED IN = RETURN = 16 BBLS		
02.5	1700 - 1930	0		N	WH	SET	BPV	ARM	13817	13817			HPJSM. RIGGED UP GWS-ARAMCO LUBRICATOR & PRESSURE TESTED SAME WITH SLB PUMP TO 6,500 PSI. SLB EQUALIZED PRESSURE TO 1,530 PSI. GWS RETRIEVED 4" BPV - OK. RIGGED DOWN GWS LUBRICATOR. - RECORDED SIWHP = 1,530 PSI / TCA= 57 PSI / CCA1= 18 PSI		
02.5	1930 - 2200	0		N	DCOM	OTH	NA	RIG	13817	13817			BLEED OFF TUBING PRESSURE. FILL UP TUBING WITH 66 BBLS VISCOSUS 69 PCF BRINE & PRESSURE TEST EZSV-BP TO 1,000 PSI WITH VISCOSUS 69 PCF BRINE FOR 30 MIN. PRESSURE HOLD. CCA1: 23 PSI (STEADY) TUBING: 1,000 PSI TCA: 1,250 PSI. PRESSURE INCREASE IN TCA WITH 250 PSI ONCE TUBING FULL. BLEED OFF TUBING PRESSURE TO ZERO, TCA: 250 PSI		
05.0	2200 - 0300	0		N	DCOM	OTH	NA	RIG	13817	13817			LEAVE CCA OPEN TO FLARE FOR 30 MIN'S. SHUT-IN & MONITOR PRESSURE IN CCA1 AND TCA FOR 4 HRS - PRESSURE DATA SHEET SENT TO DE. - TCA: INCREASE FROM 250 PSI TO 540 PSI - TBG: FROM 0 PSI TO 225 PSI - CCA#1: 0		
02.0	0300 - 0500	0		N	DCOM	DTU	GAUG	SPL	13817	13817			R/U SAPESCO SLICK LINE 10M LUBRICATOR AND BOP. SLB P/T LUBRICATOR AND BOP TO 6,500 PSI - OK. RIH WITH 3.625" GAUGE CUTTER TO 11,900' (42 DEG INC)... ONGOING AT REPORT TIME > SITHP: INCREASED TO 300 PSI AT REPORT TIME		

> TCA: INCREASED TO 560 PSI AT REPORT TIME  
 > CCA1: 0 PSI.

=====QHSE=====

>> IMPLEMENTING CLOSED LOOP DRILLING PRACTICE.

>> DRILLS: NONE

>> DISCUSSED: DAILY SAFETY MEETING.

=====ARAMCO PERSONNEL=====

>> MATERIAL EXPEDITOR SAAD I AL JOHAR #8107696 ON LOCATION ON 02/20/2023.

>> MATERIAL EXPEDITOR: ALI AL-HARETH # 8532126 ON LOCATION SINCE 02/21/2023.

=====MISCELLANEOUS & NEXT WELL=====

>> ANDR-607 (TCA/CCA COMMUNICATION), PRE-WO HELD ON 01/12/2023. STRIP-OUT REQUIRED AND WELLSITE PREPARATION = 0%.

Remarks

\*\* ABDULAZIZ ENEZI, ASIM BASALAMAH & ABDULRAHMAN ALQAHTANI FROM D&WO-OE&CG ON LOCATION FOR SA OPS IN-HOUSE AUDIT SPOT CHECK.

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS	
MUD DATA	Weight <b>69</b> PCF	Funnel Vis. <b>41</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>7</b>	YP <b>17</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>5 / 6</b>	Gels Sec/Min <b>6 / 8</b>	PH <b>9</b>	CA PPM <b>400</b>	CL PPM <b>105000</b>			
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>100</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>0</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>WBM-NAC</b>	Water Well # <b>ANDR-963</b>				
	Weight <b>69</b> PCF	Funnel Vis. <b>42</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>8</b>	YP <b>16</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>5 / 6</b>	Gels Sec/Min <b>6 / 8</b>	PH <b>9.5</b>	CA PPM <b>400</b>	CL PPM <b>104000</b>			
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>100</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>0</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>WBM-NAC</b>	Water Well # <b>ANDR-963</b>				
MUD TREATMENT															
BIT DATA															
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #	
Miscellaneous	BOP Test	BOP Drills	Wind <b>SEASONAL</b>	Sea <b>ON SHORE</b>	Weather <b>SEASONAL</b>	DSLTA	Safety Meeting <b>DAILY</b>								
	Real-Time Data Quality														
Personnel and Services Information	COMPANY		GOS	NCT	RIG	EMC	RIG	ARM	BCM	SCM	ARM	GEP	SPL	NWL	Total <b>94</b>
	CATEGORY		CTR G	COIL	RIG	DFMS	OTHR	OTHR	PCS	PCS	WSC	WHES	SLS	WLS	
	NO. OF PERSONS		<b>13</b>	<b>3</b>	<b>52</b>	<b>1</b>	<b>10</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>4</b>	
	OPERATING HRS.		<b>0</b>	<b>4</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>12</b>	<b>24</b>	<b>17</b>	<b>24</b>	<b>4</b>	<b>2</b>	<b>0</b>	
	ON LOCATION HRS.		<b>24</b>	<b>4</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>4</b>	<b>12</b>	<b>12</b>	
Trucks/Boats	Standby/Tankers <b>AB-5125</b>	AMBULANCE	RIG PICK UP												
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>379</b>	Barite- SX	Bentonite - SX	Cement G- SX									
REPAIR ASAP	Instrumentation	Other													Reporter
	Computer, Communication & V-Sat Issues														

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>TRYQ-6 (EXPLORATION)</b> Charge (66- 22643-#: <b>0006</b> ) Wellbores: (0) TRYQ_6_0	Rig <b>SP-123</b> Foreman(s) <b>RASSASI, MOHAMMAD AHMAD/ ALI, AHMED GHALIB/</b> Engineer Superintendent <b>ALBAR, HAMZH ABDULLAH/ ABU RASAIN, AMER MANE</b>	THURAYA <b>+ 88 216 777 13 970</b>	RIG FORMAN VSAT <b>013 679 2145</b>	OTHER VSAT <b>013 679 2147</b>	CONTRACTOR/CLERK VSAT <b>013 679 2146</b>
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Depth <b>0</b>	Last 24 hr operations <b>R/D ON MAQL-4, R/M &amp; R/U ON TRYQ-6.</b>	Next 24 hr plan <b>R/D ON MAQL-4, R/M &amp; R/U ON TRYQ-6.</b>	Location <b>482.63 KMS F/DMG.</b>	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops
Prev. Depth <b>0</b>	Liner Size	TOL	MD	TVD	Last Csg Size MDTVD Footage <b>0</b> Circ %

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
24.0	0500 - 0500	0		M	RM	RD	NA	RIG	0	0			<b>HPJSM WITH ALL PERSONNEL INVOLVED &amp; DISCUSSED:</b> * WORKING AT HEIGHT HAZARDS & PRECAUTIONS. * PROPER LIFTING PROCEDURES & PRECAUTIONS. * CRITICAL LIFT PLAN & GENERAL WORK PERMIT REQUIREMENTS. * STOP WORK AUTHORITY. * GOOD COMMUNICATION & TEAMWORK. * HIGHLIGHTED POTENTIAL HAZARDS & SAFETY RISKS DURING R/D. CONT. R/D OPERATIONS:  - R/D: 65 % - R/M: 25% - R/U : 2 %  ** DAYS SINCE RIG RELEASED: 5.9 DAYS. ** RIG RELEASED FROM MAQL-4 ON 2/21/2023 AT 05:00 ** DISTANCE FROM MAQL-4 T/ TRYQ-6 IS 1270 KM (923 KM BLACK TOP & 347 KM SKID ROAD) ======RIG DOWN ACTIVITY===== * GENERAL MIS. RIG DOWN. * PERFORMED CAT-III INSPECTION FOR CROWN BLOCK AND TDS. * OFFLOADED 1 TRUCKS IN NEW LOCATION / TOTAL OFFLOADED: 24 TRUCKS  - OLD LOCATON LOADS TODAY: 0 , TOTAL: 44 OUT OF 220 LOADS. ======RIG MOVE EQUIPMENT & PERSONNEL ON LOCATION ===== ** 3 X 80 TON CRANE. ** 3 X 55 TON CRANE. ** 3 FORKLIFT. ** 4 HIGH-BED TRUCKS. ** 20 LOW-BED TRUCKS. ** RIGGER 1 : 2 ** TRUCK PUSHER: 6

#### RIG LOCATION:

- 760 KMS F/DMG,134 KM FROM HRDH CITY TO KHARKHIR ROAD THEN TURN LEFT & DRIVE 340 KM SKID ROAD TO RIG.

=====

#### JOURNEY MANAGEMENT PLAN:

- CALL YOUR COMPANY BASE PRIOR ENTERING THE SKID ROAD.
- CALL SP-123 OFFICE AT 013-6792145 PRIOR ENTERING THE SKID ROAD, PROVIDE NAME OF COMPANY, NUMBER OF PERSONNEL, COLOR OF VEHICLE AND EMERGENCY CONTACT NUMBER OF BASE PERSONNEL.
- ALL VEHICLES SHOULD HAVE A SUPPLY OF DRINKING WATER / CAR SURVIVAL KIT.
- THERE IS NO SIGNAL IN THE SKID ROAD & IT IS BETTER TO HAVE THURAYA PHONE.
- MANAGE YOUR TRAVELING TIME IN SKID ROAD TO BE DURING THE DAY AS IT WILL TAKE +/- 7 HRS FOR SMALL TRUCKS & +/- 12 HRS FOR BIG TRUCKS TO ARRIVE TO THE RIG.
- AVOID TRAVELING ALONE & IT IS BETTER TO TRAVEL IN GROUP OF TRUCKS.

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#### NEARST HOSPITAL:

- HARRADH AL-EKHWA MEDICAL CENTER: 468 KM.
- TELEPHONE NUMBER: 0596253698.

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#### ERP

1/2 LFL @ 0 M, RER 100 PPM @ 0 M, RER 30 PPM @ 0 M, GOR: 0 SCF/STB, H2S: 0 %.

-STAGING AREA #1 (1.4 KM): 26.541602, 47.33789

-STAGING AREA #2 (448 M): 26.536005, 47.325394

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>> NO RADIO SIGNAL COVERAGE ON LOCATION, ECC DAILY PHONE COMMUNICATION CHECK PERFORMED.

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## **ELEVATION FROM RIG FLOOR TO GROUND LEVEL:**

## **ARAMCO PERSONNEL & VISITORS:**

- ARAMCO CLERK HAFIZ MOHD SHAKEL ID#8305089 ON LOCATION SINCE 2/23/2023

## **TODAY'S SAFETY HIGHLIGHTS & TOPICS:**

- \* WORKING AT HEIGHT HAZARDS & PRECAUTIONS.
  - \* PROPER LIFTING PROCEDURES & PRECAUTIONS.
  - \* CRITICAL LIFT PLAN & GENERAL WORK PERMIT REQUIREMENTS.

## DRILLS, ORBITS & NM:

- DRILLS: 0.
  - OBB: 10
  - PTW: 1, JSA: 1, NM: 0.

AUDIT-

- PRE-COMMENCEMENT INSPECTION ON 16 JULY 2022: CLOSED (84), OPEN (0).
  - PRE-ACCEPTANCE AUDIT 24 SEP 2022: CLOSED (117), OPEN (1).
  - 4TH QSI AUDIT 20 DEC 2022: CLOSED (41), OPEN (2).
  - 1ST QSI AUDIT 15 FEB 2023: CLOSED (30), OPEN (5).

FLAT TIME KPI:

- RIG MOVE KPI: 42.17 DAYS / ACTUAL: DAYS
  - DP TRIPPING KPI: 19 STD/HR / ACTUAL: STD/HR.
  - 7" LINER KPI: 14 JT/HR / ACTUAL: JTS/HRS
  - 4-1/2" TBG KPI: 13 JT/HR / ACTUAL: JT/HR
  - 4-1/2" UPPER COMPLETION KPI: 13.5 JT/HR / ACTUAL: JT/HR

**WATER DATA: WATER SOURCE: TRYQ-807**

#### MUD/COMPLETION DIESEL IN PBL'S

- MUD/COMPLETION
  - STOCK: BBL
  - CONSUMED: 0
  - RECEIVED: 0 BBL S

**NEXT WELLS:**

## RENTAL TOOLS

WELL SITE EQUIPMENT

- WELLSITE EQUIPMENT:**  
- 6 X VACUUM TANKER DRSS#1003834285 SINCE 02/03/2023.  
1 X SPRAY TANKER ON LOCATION SINCE 02/04/2023.

#### **OVERBALANCE PRESSURE WITH 60 PCE WBM**

- OVERBALANCE PRESSURE WITH 68 PCF WBM:**

  - ARAB-D: 274 PSI, BASE ARAB-D: 107 PSI, UPPER HANIF: 273 PSI, TUWIQ: 125 PSI.
  - UPPER FADHILI: 137 PSI, LOWER FADHILI: 327 PSI, FARIDAH-A: 364 PSI, FARIDAH-B: 155 PSI
  - FARIDAH-D: 372 PSI, HAIRANIA ZONE: 393 PSI

WELL CONTROL DATA

WEEK 3



Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>FDHL-107 (SIDETRACK AND COMPLETE WITH ESP)</b>	Rig <b>SP- 124</b>	Foreman(s) <b>KHALID ESSA/ ALYOUSIF, ABDULLAH ALI/</b>	<b>WALKER, DAVID ROBERT/ ZAKRI, MARZOOQ, SALEH YOUSEF/ SHEHRI, TALAL HASAN</b>
Charge #: <b>(71- 22018- 0107)</b>	Wellbores: (0-2) FDHL_107_2	Engineer Superintendent	THURAYA	RIG FORMAN VSAT <b>00882167711006</b> 378-8324
				CONTRACTOR/CLERK VSAT <b>378-8328</b>

Depth <b>5830</b>	Last 24 hr operations <b>RIH SCRAPER ASSY &amp; SCRAPE 9-5/8" CASING, CHC, DISPLACE TO BRINE, PT CASING, SPOT INHIBITED BRINE POH, JET BOP, R/U BAW &amp; RUN GR/CCL, R/D, P/U "WIS" WHIPSTOCK</b>	Next 24 hr plan <b>RIH "WIS" WHIPSTOCK &amp; SET SAME, DISPLACE TO 72 PCF WBM, MILL WINDOW, POH.</b>	Location <b>159 KM FROM DMG</b>	Days Since Spud/Comm (Date) <b>14.0 (02/13/2023@0500)</b>	Formation tops
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Prev. Depth <b>5830</b>	Liner Size <b>7</b>	TOL <b>5830</b>	MD <b>7120</b>	TVD <b>7089</b>	Last Csg Size <b>9 5/8</b>	MD <b>59175917</b>	TVD	Footage <b>0</b>	Circ % <b>100</b>
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Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations					
									Start	End	Start	End						
01.5	0500 - 0630	0-2		N	CT	TI	STDP	RIG	13482	13482	3000	5580	RIH W/ 9-5/8" SCRAPER & DUMMY WHIPSTOCK ASSY ON 5" DP TO 5580' (8' ABOVE OLD 7" LINER TOP) * MONITOR WELL ON TRIP TANK					
01.5	0630 - 0800	0-2		N	CT	RW	BIT	RIG	13482	13482	5580	5820	SCRAPE 9-5/8" CASING FROM 5580' - 5820' 3 TIMES					
02.0	0800 - 1000	0-2		N	CT	CIRC	MPMP	RIG	13482	13482			PUMP HI VIS PILL & CHC. PUMP HI VIS PILL & DISPLACE WELL TO 68 PCF VISCOUS BRINE IN AND OUT.					
00.5	1000 - 1030	0-2		N	CT	CIRC	MPMP	RIG	13482	13482			PT CASING TO 1500 PSI IN 500 PSI STAGES - OK. FLOW CHECK - WELL STATIC * CLEAN OUT HEADER LINES					
00.5	1030 - 1100	0-2		N	CT	CIRC	MPMP	RIG	13482	13482			SPOT 50 BBLS INHIBITED BRINE ABOVE NEW 7" LINER TOP @ 5830'					
00.5	1100 - 1130	0-2		N	CT	CIRC	MPMP	RIG	13482	13482			POH 5 STDs AND SLUG PIPE					
02.5	1130 - 1400	0-2		N	CT	TO	STDP	RIG	13482	13482	5350	536	POH W/ 9-5/8" SCRAPER & DUMMY WHIPSTOCK ASSY ON 5" DP * MONITOR WELL ON TRIP TANK * FLOW CHECK @ BHA					
00.5	1400 - 1430	0-2		N	CT	TO	BHA	RIG	13482	13482	536	47	POH W/ 9-5/8" SCRAPER & DUMMY WHIPSTOCK ASSY L/D JAR @ 14:00 * MONITOR WELL ON TRIP TANK					
00.5	1430 - 1500	0-2		N	CT	HT	BHA	RIG	13482	13482			HPJSM. L/D SCRAPER & STRING MILLS * STRING MAGNETS CLEAN * MONITOR WELL ON TRIP TANK					
01.0	1500 - 1600	0-2		N	BOP	OTH	BOP	RIG	13482	13482			HPJSM. M/U 4 X W'FORD 9-5/8" MAGNETS, JETTING TOOL. JET BOP & TBG SPOOL W/ 10 BPM. CLEAN MAGNETS, FUNCTION BOPS & JET BOP AGAIN. L/D MAGNETS AND JETTING TOOL					
00.5	1600 - 1630	0-2		N	WH	SET	WBSH	RIG	13482	13482			INSTALL WEAR BUSHING					
01.0	1630 - 1730	0-2		E	LOG	ND	SNIP	RIG	13482	13482			HPJSM. N/D BELL NIPPLE & NIPPLE UP SHOOTING NIPPLE					
01.0	1730 - 1830	0-2		E	LOG	PTST	LUB	BAW	13482	13482			HPJSM. R/U "BAW" BOPE & PT SAME TO 500 PSI					
00.5	1830 - 1900	0-2		E	LOG	OTH	NA	BAW	13482	13482			P/U & SURFACE TEST "BAW" PFC LOGGING TOOL					
02.5	1900 - 2130	0-2		E	LOG	LOG	WLT	BAW	13482	13482	5830	0	"BAW" RIH W/ PFC TOOL (GR/CCL), CORRELATE & LOG 9-5/8" CASING WHILE RIH & POH					
01.5	2130 - 2300	0-2		E	LOG	OTH	NA	BAW	13482	13482			HPJSM. "BAW" POH & LAYDOWN PFC LOGGING TOOL					
01.0	2300 - 0000	0-2		E	LOG	ND	SNIP	RIG	13482	13482			HPJSM. N/D SHOOTING NIPPLE & NIPPLE UP BELL NIPPLE					
03.5	0000 - 0330	0-2		N	TINL	HT	BHA	RIG	13482	13482			HPJSM. P/U & M/U "WIS" 9-5/8" 40# 2 DEG HYDRAULIC SET WHIPSTOCK AND 8-1/2" TRI MILL ASSY WITH 4 X W'FORD 9-5/8" STRING MAGNETS & SPERRY SUN UBHO SUB * MONITOR WELL ON TRIP TANK					
01.0	0330 - 0430	0-2		N	TINL	OTH	NA	RIG	13482	13482			SCRIBE WHIPSTOCK HIGH SIDE TO MWD HIGH SIDE					

00.5	0430 - 0500	0-2	N	TINL	TI	BHA	RIG	13482	13482	116	300	WITNESSED BY BAKER DD AND FOREMAN RIH AT CONTROLLED SPEED WITH WIS 9-5/8" WHIPSTOCK ON 2 STDS 6-1/4" DC, & 14 STDS 5" HWDP... INC @ RT. * DRIFT EACH STAND * FILL EVERY STAND * MONITOR WELL ON TRIP TANK AT ALL TIMES.			
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-----ODF-----

- ODF= 29', CDF=33.6', DFC= -4.6'

-----ERP EQUIPMENT & CONTINGENCY PLAN-----

- 55 MEN CAPACITY EVACUATION BUS ON STANDBY AT RIG SITE LOCATION. (CHECKED DAILY).
- 30 MEN CAPACITY EVACUATION BUS (CHECKED DAILY) ON STANDBY AT MAIN CAMP.
- STAGING AREA #1 LOCATED 5 KM FROM RIG ON BLACK TOP TOWARDS FADHILI GAS STATION
- STAGING AREA #2 LOCATED 5.1 KM FROM RIG ON BLACKTOP TOWARDS SARAR.

\*\* CONDUCTED COMMUNICATIONS PROTOCOL MEETING WITH SINO-7N FOREMAN & RSTC DUE TO SINO-7N INSIDE SP-124 30 PPM RER ON 23 FEB 23

\*\* DAILY COMMUNICATION CHECK HELD WITH SINO-7N

-----RENTAL & OTHER EQUIPMENT-----

- 3 RAW WATER TRUCKS ON LOCATION

- 23 JTS 5" HWDP FROM W'FORD RENTALS ON LOCATION FR/ 13 FEB 23

- 22 JTS 5" HWDP FROM W'FORD RENTALS ON LOCATION FR/ 14 FEB 23

- 2 X BAKER 9-5/8" RBP'S FOR WELL SUSPENSION ON LOCATION FROM 15 FEB 23

- OILSERV JAR S/N: HJDA-675-0002 DRSS# 1003848241 B/L ON 26 FEB 23

- OILSERV JAR S/N: HJDA-675-0022 DRSS# 1003855241 ON LOCATION FROM 26-FEB-2023

- W'FORD 4 X 9-5/8" STRING MAGNETS AND 4 X 7" STRING MAGNETS ON LOCATION 18-FEB-2023

-----PERSONNEL-----

- ME SALEH ALSUQUFI #8501319 ON LOCATION FROM 6 FEB 23

- SULTAN ALBALAWI #812046 TRAINEE FOREMAN ON RIG FROM 13 FEB 23

- GOWRI SHANKAR ADAPA #8525313 HSE ADVISOR ON LOCATION FOR NAWOD WC AUDIT.

-----DRILLSITE STATUS-----

- FP-6 HAS 5 OIL WELLS (FDHL-10, 107, 108, 109 & 110) AND 1 CAPPED WATER SUPPLY WELL.

- FDHL-10 SECURED WITH TRSSSV, BPV, MV, SSSV, CV & WV (TO BE WORKED OVER BY SP-124)

- FDHL-108, 109 & 110 ALL SECURED WITH TRSSSV, MV, SSV, CV & WV. ALL WELLS BARRIERED OFF

-----NEXT WELLS STATUS-----

- FDHL-10 KOM HELD ON 22 DEC 20: FIELD SERVICE 100%, WELLSITE 95%

-----SAFETY DATA-----

- REPORTED ON SAFELIFE SYSTEM: 15 X OBB'S.

-----RIG ON LOCATION SUPPORT-----

- NONE

-----DIESEL CONSUMPTION-----

\* DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) = DAILY: 34 BBL / CUMULATIVE FOR CURRENT WELL: 539.25 BBLS.

Remarks

Lateral	Survey MD		Angle		Azimuth		CLength		TVD		N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS				
MUD DATA	Weight <b>68</b> PCF	Funnel Vis. <b>30</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0/0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>10</b>	CA PPM <b>0</b>	CL PPM <b>80000</b>								
	FL Temp <b>100</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol.% <b>96</b>	Oil Vol.% <b>0</b>	Solids Vol.% <b>4</b>	Sand Vol.% <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>NACL</b>	Water Well # <b>FDHL-807</b>									
	Weight <b>68</b> PCF	Funnel Vis. <b>30</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0/0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>10</b>	CA PPM <b>0</b>	CL PPM <b>80000</b>								
	FL Temp <b>100</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol.% <b>96</b>	Oil Vol.% <b>0</b>	Solids Vol.% <b>4</b>	Sand Vol.% <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>NACL</b>	Water Well # <b>FDHL-807</b>									
MUD TREATMENT	XC <b>15(50LB)</b>	NACL <b>13(2200L)</b>	FLO-TROL <b>80(55LB)</b>	MRBL-F <b>10(2200L)</b>	CAUST <b>2(50LBP)</b>	SODASH <b>1(100LB)</b>	BCTRN <b>6(5GL)</b>													
BIT DATA																				
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #						
Miscellaneous	BOP Test <b>02/15/2023</b>		BOP Drills <b>TOURLY</b>		Wind <b>CALM</b>		Sea <b>N/A</b>		Weather <b>COLD SUNNY</b>			DSLTA		Safety Meeting <b>TOURLY</b>						
	Real-Time Data Quality			Sensors Quality			100%		Data Frequency			100%		Real-Time Hrs		11.49/24 hrs				
Personnel and Services Information	COMPANY		OGS	WI3	TGC	SPS	WRT	RIG	OES	ASH	OJR	ARM	ARM	BAW						
	CATEGORY		ISS	WPSTK	CTRGS	DPDS	DRF	RIG	DFMS	FLD	JST	OTHR	WSC	WLS						
	NO. OF PERSONS		2	2	14	4	0	65	1	3	0	2	3	4						
																Total <b>100</b>				

	OPERATING HRS.		3	5	0	0	24	24	24	0	10	12	24	5	
	ON LOCATION HRS.		15	15	24	24	0	24	24	24	0	24	24	24	
Trucks/Boats	Standby/Tankers		<b>1 X RIG SP-124 AMBULANCE</b>			<b>3 X RAW WATER TRUCK</b>			<b>GASOLINE: 27.67 BBLS</b>			<b>CAMP DIESEL: 27 BBLS</b>			
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>280</b>	Barite- SX	Bentonite - SX	Cement G- SX <b>450</b>									
REPAIR ASAP	Instrumentation	Other												Reporter	
	Computer, Communication & V-Sat Issues														

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>JAHM-10 (CO2 SEQUESTRATION PROJECT)</b>	Rig <b>SP- 125</b>	Foreman(s) Engineer Superintendent <b>ALANAZI, KHALID RAKAN / SAIARI, ABDULAZIZ OMAR / REJPOV, DAUTMAMMET / ABU RASAIN, AMER MANE</b>		
Charge <b>(66- 22064- #: 0010)</b>	Wellbores: (0) JAHM_10_0	THURAYA <b>8821677713963</b>	RIG FORMAN VSAT <b>013-577-1160</b>	MOBILE <b>053 610 4736 RIG MANAGER</b>	CONTRACTOR/CLERK VSAT <b>013-577-1107</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>7608</b>	<b>SCRAP RTTS DEPTH, CHC, POOH WFD WBCO ASSY, M/U &amp; RUN WFD RTTS, DISP TO DIESEL &amp; PERFORM NEGATIVE TEST, POOH.</b>	<b>POOH, L/D RTTS, PERFORM CBL LOG, RIH 5-7/8" SLICK ASSY, DISPLACE TO BRINE, POOH, P/U &amp; RIH 7" BKR POLISH MILL ASSY.</b>	<b>WELL LOCATED 550 KMS FROM DMG.</b>	<b>76.5 (12/12/2022@1700)</b>	<b>ARUM 726 32' SHALLOWER AS PER GOC. LAMS 1024 AS PER GOC. SHUB 1710 58 FT SHALLOWER. BUWB 2687 142 FT SHALLOWER. YAMM 2991 AS PER DRILLING PROGRAM. SULY 3020 113 FT SHALLOWER. MNFR 3560 43 FT SHALLOWER. HITH 3590 38 FT SHALLOWER. ABAR 3993 53 FT SHALLOWER. BAAR 4029 AS PER GOC. ABBR 4097 AS PER GOC. BABR 4121 AS PER GOC. BACR 4362 AS PER GOC. ABDR 4471 78 FT SHALLOWER BADR 4721 AS PER GOC. HNIF 5087 AS PER GOC. BUHR 5585 AS PER GOC. HDDR 5642 AS PER GOC. BHDR 5792 AS PER GOC. LFDR 6333 34 FT SHALLOWER BLFR 6544 AS PER GOC. HURN- BASE 7209 AS PER GOC DRMS 7577 76 FT SHALLOWER</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>7608</b>	<b>7</b>	<b>3127</b>	<b>7605</b>	<b>7605</b>	<b>9 5/8</b>	<b>36223622</b>		<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
00.5	0500 - 0530	0	8 3/8	N	CT	HT	STRG	RIG	7608	7608	4380	7335	P/U WFD WBCO AS FOLLOWS: 9-5/8" SCRAPER, 1 X 9-5/8" MAGNET.
00.8	0530 - 0615	0	8 3/8	N	CT	HT	PEL	RIG	7608	7608			CHANGE PIPE HANDLING TOOLS & POWER TONG FROM 4" TO 5".
01.0	0615 - 0715	0	8 3/8	N	CT	TI	STDP	RIG	7608	7608	4380	7335	RIH W/5-7/8" WFD WBCO ASSY TO 7335 FT. - FILL UP & BREAK CIRC EVERY 15 STD.
00.5	0715 - 0745	0	8 3/8	N	CT	PJSM	STRG	RIG	7608	7608			HOLD STAND UP MEETING WITH DAY SHIFT RIG CREW. DISCUSS SCBA USE AND CHECK AND GAS DETECTION WITH CREW, SHARE ISSUE NO.3 - JAN 2023 - GAS RELEASE FROM FAILED VALVE.
00.5	0745 - 0815	0	8 3/8	N	CT	RW	BIT	RIG	7608	7608	7435	7335	CONNECT TDS, REAM & WASH THE LAST 5 STD UNTIL TAG LC @ 7435'. - WORK 9-5/8" SPACER 3000' TO 3100'.
01.0	0815 - 0915	0	8 3/8	N	CT	CIRC	MPMP	RIG	7608	7608			PUMP 30 BBL HI-VIS & CHC UNTIL SHAKER IS CLEAN & MUD IN/OUT 68 PCF. - FLOW CHECKED, STATIC LEVEL.
01.0	0915 - 1015	0	8 3/8	N	CT	HT	PEL	RIG	7608	7608			POOH WFD WBCO & TEST TOOLS AT CONTROLLED SPEED ON 5" DPS .
00.5	1015 - 1045	0	8 3/8	N	CT	HT	STRG	RIG	7608	7608			POOH & L/D WFD WBCO AS FOLLOWS: 9-5/8" SCRAPER, 1 X 9-5/8" MAGNET.
00.5	1045 - 1115	0	8 3/8	N	CT	HT	PEL	RIG	7608	7608			CHANGE PIPE HANDLING TOOLS & POWER TONG FROM 5" TO 4".
02.2	1115 - 1330	0	8 3/8	N	CT	HT	PEL	RIG	7608	7608			CONT POOH WFD WBCO ON 4" DP/HWDP TO TOP OF BHA AT 210'.
02.0	1330 - 1530	0	8 3/8	N	CT	HT	BHA	RIG	7608	7608			CONT POOH & L/D WFD WBCO. - RECOVRED 2 KG FINE DEBRIES FROM MAGNET. - L/D 4-3/4" JAR @ 13:30 HR.
00.5	1530 - 1600	0	8 3/8	N	CT	RR	TDS	RIG	7608	7608			SERVICE TDS AND CHECK FOR POSSIBLE DROP OBJECTS.
00.5	1600 - 1630	0	8 3/8	N	CT	HT	BHA	RIG	7608	7608			HPJSM, P/U WFD 9-5/8" RTTS HDL PACKER: 4" HWDP, XO, 9-5/8" HDL PKR, 2 JTS X 4" HWDP.
00.5	1630 - 1700	0	8 3/8	N	CT	PJSM	STRG	RIG	7608	7608			HOLD STAND UP MEETING WITH NIGHT SHIFT RIG CREW. DISCUSS SCBA USE AND CHECK AND GAS DETECTION WITH CREW, SHARE ISSUE NO.3 - JAN 2023 - GAS RELEASE FROM FAILED VALVE.
02.0	1700 - 1900	0	8 3/8	N	CT	TI	STDP	RIG	7608	7608	44	3055	RIH WFD 9-5/8" TEST TOOL ON 4" DP TO 3055 FT W/ CONTROLLED SPEED AS PER WFD ENG INSTRUCTIONS.
01.0	1900 - 2000	0	8 3/8	N	CT	WBCO	WBCL	WWB	7608	7608			HPJSM, SET WFD 9-5/8" PKR IN TOP OF 7" LINER AS PER WFD ENG, - CLOSE BOP & P/T WFD 9-5/8" PKR TO 1000 PSI/10 MIN, HOLD. - BLEED OFF PRESSURE & OPEN BAY BASS.
00.5	2000 - 2030	0	8 3/8	N	CT	HT	STRG	RIG	7608	7608			HPJSM, R/U RIG SURFACE LINE, FLUSH & PRESSURE TEST LINE @ 2000 PSI, OK.
00.5	2030 - 2100	0	8 3/8	N	CT	CIRC	MPMP	RIG	7608	7608			DISPLACE STRING TO DIESEL AS FOLLOWING: - PUMP 50 BBL HI-VIS FOLLOWED BY 45 BBL DIESEL @ 2 BBL/MIN (5 BBLS UNDER DISPLACE).
04.0	2100 - 0100	0	8 3/8	N	CT	CIRC	MPMP	RIG	7608	7608			HPJSM, PERFORM NEGATIVE PRESSURE TEST ON 7" TOL, GOOD TEST.
01.0	0100 - 0200	0	8 3/8	N	CT	CIRC	MPMP	RIG	7608	7608			CLOSE BOP & REVERSE CIRCULATE WITH 68 PCF WBM & CHC UNTIL IN/OUT THE SAME.

00.5 0200 - 0230 0	8 3/8	N	CT	WBCO	WBCL	WWB	7608	7608		- FLOW CHECK, WELL STAIC.
00.5 0230 - 0300 0	8 3/8	N	CT	HT	PEL	RIG	7608	7608		HPJSM, UNSET WFD 9-5/8" PKR & WAIT FOR IT TO RELAX.
02.0 0300 - 0500 0	8 3/8	N	CT	HT	STRG	RIG	7608	7608		R/D RIG SURFACE LINES.

HPJSM, POOH WFD 9-5/8" TEST TOOL ON 4" DP TO SURFACE W/ CONTROLLED SPEED AS PER WFD ENG INSTRUCTIONS... (ONGOING @ RT).

#### ===== WELL OBJECTIVE =====

JAHM-10 IS GOING TO BE DRILLED AS VERTICAL EVALUATION WELL AT THE NORTHERN TIP OF THE JAHM DOME AS PART OF THE JAHM COMPLEX APPROVED 2ND PHASE DELINEATION PROGRAM. THE MAIN OBJECTIVE OF THE WELL IS TO DELINEATE THE FIELD GEOLOGICALLY AND STRUCTURALLY AND COLLECT DYNAMIC DATA ACROSS THE TARGET CCS RESERVOIRS.

#### ===== WELL DESIGN =====

- 24" CSG (28" HOLE SECTION) @110' RKB, ACTUAL @ 140'.
- 18-5/8" CSG (22" HOLE SECTION) @ 400' RKB, ACTUAL @ 400'.
- 13-3/8" CSG (16" HOLE SECTION) @ 1460' RKB, ACTUAL @ 1074'.
- 9-5/8" CSG (12" HOLE SECTION) @3678' RKB, ACTUAL @ 3630'.
- 7" CSG (8 3/8" HOLE SECTION) @7683' RKB, ACTUAL @7608'.
- ARAMCOLINK DATA TRANSMISSION SERVICE WILL BE USED FOR THIS WELL TO PICK UP CSG POINTS AND FORMATION TOPS BY RCC TEAM.

#### ===== ERP =====

- 1/2 LFL @ 450 M, RER 100 PPM @ 0 M & RER 30 PPM @ 0 M.
- WATER SUPPLY WELL; RESERVOIR: NONE.
- PRIMARY STAGING AREA: N 2,884,300 E 740,580, DISTANCE FROM JAHM-10 (KM): 1.1 KM NE.

#### ===== PERSONNEL ON BOARD =====

- ARAMCO MATERIAL EXPEDITOR MAJED HAKAMI #792813 ON LOCATION SINCE 02/21/2023.
- ARAMCO FCT MESHAL AL-QAHTANI ID#796673 ON LOCATION.
- ARAMCO PDP ABDULALLAM ALSAATI ID# 786177 ON LOCATION SINCE 2/26/2023

#### ===== SAFETY & DRILLS =====

PRE-TOUR SAFETY MEETINGS: 2, WEEKLY SAFETY MEETING: 0, STOP CARDS: 12, H2S DRILL: 1, PIT DRILL: 0, TRIP DRILL: 2, SPILL DRILL: 0, FIRE DRILL: 0, FIRE PUMP DRILL: 0, CONFINED SPACE RESCUE DRILL: 0, MAN LOST DRILL: 0, ACCUMULATOR DRILL: 0, VERTICAL RESCUE DRILL: 0.

#### SAFETY MEETING TOPIC:

SINOPEC 10 GOLDEN LIFE SAVING RULES.

SHARE AND DISCUSSED WITH CREW DAILY WALK AROUND OBSERVATION AND STOP CARD.

SHARE AND DISCUSSED INCIDENT IP HATE BY DRILL PIPE.

HAZCOM TRAINING CAMPAIGN AND HAZARD.

CHEMICAL CHB AND MSDS AWARENESS.

CONT HSE CAMPAIGN HOUSEKEEPING.

CONT HOUSEKEEPING ALL LOCATION INCLUDING BOTH CAMP.

FOLLOW SUPERVISOR INSTRUCTION.

SHARE AND DISCUSSED DRILL DEFICIENCY ITEMS FOR ALL CREW.

FOLLOW UP STOP WORK AUTHORITY & IMPLEMENTATION.

#### SAFETY ALERTS:

#### NEAR MISS:

#### STOP WORK AUTHORITY:

#### WORK PERMITS: 1.

COLD PTW: (1), RADIOACTIVE: (0), LIFTING: (0), HOT PTW: (0), CONFINED SPACE: (0), THIRD PARTY (0); DIESEL TRANSFER: (0), JSA: (1), STOP CARDS: (12), SWA: (0).

#### ===== ARAMCO VEHICLE =====

- ARAMCO CAR WITH NUMBER DH-7522 SERVICED ON 1/23/2023, NEXT SERVICE DUE 3/22/2023.

#### ===== RENTAL TOOLS =====

- VACCUM TANKERS DOOR# 2550 PLATE# 7150 & DOOR# 2548 PLATE# 7148, DRSS#1003809924.
- RECEIVED SLB 4-3/4" HYDRO-MECHANICAL DRILLING JAR# 41280HA ON 02/20/2023 @ 16:00 HR.

#### ===== NEXT LOCATION =====

#### N/A

#### Remarks

Lateral	Survey MD		Angle		Azimuth		CLength		TVD		N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS								
MUD DATA	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM	68 PCF	50 SEC	13 HTHP	15	25	0 Volts	7 / 8	7 / 11	10	40	50000	
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	JAHM-808	125	2	1	90	2	8	0.5	3.45	5	NCPOL		
	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM	68 PCF	50 SEC	13 HTHP	15	25	0 Volts	7 / 8	7 / 11	10	40	50000	
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	JAHM-808	125	2	1	90	2	8	0.5	3.45	5	NCPOL		
MUD TREATMENT																								
BIT DATA																								
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #										
Miscellaneous	BOP Test	BOP Drills			Wind		Sea		Weather			DSLTA		Safety Meeting				02/13/2023				2 X DAILY		
	Real-Time Data Quality			Sensors Quality			100%		Data Frequency		100%		Real-Time Hrs		11.49/24 hrs				02/13/2023				11.49/24 hrs	
	COMPANY		HWP	BC	GOS	RIG	EMC	RIG	ARM	WCS	ARM													

Total  
**84**

Personnel and Services Information	CATEGORY	LPS	PSSC	CTR G	RIG	DFMS	OTHR	PRTS	WSC	
	NO. OF PERSONS	4	1	16	48	1	9	2	1	2
	OPERATING HRS.	0	0	0	24	24	24	12	12	24
	ON LOCATION HRS.	5	12	24	24	24	24	24	24	

  

Trucks/Boats	Standby/Tankers								
<b>PICK-UP DH-7522</b>									
BULK	Drill Wtr.-BBLS <b>2000</b>	Pot Wtr.- BBLS <b>400</b>	Fuel- BBLS <b>281</b>	Barite- SX <b>132</b>	Bentonite - SX <b>68</b>	Cement G- SX <b>1700</b>			
REPAIR ASAP	Instrumentation	Other							Reporter

Computer, Communication & V-Sat Issues  
**NO RADIO COVERAGE AT JAHM AREA.**

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Date <b>MONDAY</b> <b>02/27/2023</b>	Well No (Type) : <b>HRDH-47</b> <b>(CONVERTING</b> <b>HRDH-47 FROM</b> <b>VERTICAL</b> <b>OBSERVATION</b> <b>WELL TO A</b> <b>HORIZONTAL</b> <b>POWER WATER</b> <b>INJECTOR ACROSS</b> <b>ARBD.)</b> Charge #: <b>(71- 22058-0047)</b>	Rig <b>SP-154</b>	Foreman(s) Engineer Superintendent <b>KENIOUA, ABDELHAMID/ KHATTAB, SHERIF MOHAMED/ HUBIL, ABDULAZIZ MUHANNA/ ALOTHMAN, ABDULLAH ABDULRAHMAN/ SAAD, SAAD RASHED</b>	THURAYA <b>0088-216-777-13969</b>	RIG FORMAN VSAT <b>013-577-4351</b>	OTHER VSAT <b>013-577-4355 / CLERK 050-945-3952 / RIG MANAGER</b>	MOBILE
	Wellbores: (0) HRDH_47_0						

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>7545</b>	<b>P/U 4" DP'S, RUN SLB WL FREE POINT INDICATOR TOOL.</b>	<b>LOCATE THE STUCK DEPTH, RUN RCT AND CUT 4-1/2" TBG, POH OLD COMPLETION.</b>	<b>301 KM FROM DHARAN MAIN GATE, HRDH 2 OBS.</b>	<b>11.0</b> (02/20/2023@0459)	

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>7545</b>					<b>7</b>	<b>7273</b>	<b>7273</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations
									Start	End	Start	End			
06.0	0500 - 1100	0		N	DCOM	LDP	STRG	RIG	7545	7545	0	0			CONT'D, P/U & M/U 32 X 4" DP STD'S (TOTAL 115) AND RACK BACK ON DERRICK.
01.0	1100 - 1200	0		N	DCOM	RR	TDS	RIG	7545	7545					HPJSM, SERVICE TDS & CHECKED DROPPED OBJECTS.
09.0	1200 - 2100	0		N	DCOM	WO	NA	SWL	7545	7545			WO	909647	WAIT ON SLB WL CREW AND TOOLS. > KEEP MONITORING WELL VIA TRIP TANK, STATIC.
01.0	2100 - 2200	0		E	LOG	PJSM	NA	RIG	7545	7545					HELD PRE-JOB SAFETY MEETING WITH ALL INVOLVED PERSONNEL AND DISCUSSED ALL SAFETY PRECAUTIONS RELATED TO THE JOB.
04.5	2200 - 0230	0		E	LOG	OTH	NA	SWL	7545	7545	0	7280			SLB WL CONNECTED CHECKED & PREPARED FREE POINT INDICATOR TOOLS ON SURFACE.
02.5	0230 - 0500	0		E	LOG	OTH	NA	SWL	7545	7545					RIH W/ FREE POINT INDICATOR TOOL (FPIT LOG) INSIDE 7" CAISING TO LOCATE THE STUCK DEPTH.....INC@RPT.

## **Lost Time Details**

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
<b>27 Feb 1200 - 2100</b>	<b>9</b>	<b>9</b>	<b>909647</b>		<b>WO</b>	<b>MATL</b>	<b>NA</b>	<b>SWL</b>	<b>7200</b>	<b>WAIT ON SLB WL CREW AND TOOLS.</b>

>> ODF = -16 FT.

--SAFETY

>> HELD DAILY SAFETY RIG MOVE MEETINGS WITH ALL INVOLVED PERSONNEL.

## --PERSONNEL

>> ARAMCO MATERIAL EXPEDITOR ABBAS ALQAMAR # 816302 ON LOCATION

>> SAFETY ADVISOR AMOR AJELLOULI ID#8442707 ON LOCATION.

## - RENTAL TOOLS

**>> 02 RAW WATER TANKERS ON LOCATION.**

## -- DIESEL CONSUMPTION

>> ENGINE DIESEL CONSUMPTION (RIG & CAMP): DAILY 20 BBLS, CUMULATIVE FOR CURRENT WELL, HRDH-47: 258 BBLS.

## - ACID

>> OILSERV ACID TANKER 85 BBL. HCL 20% FROM 12/26/22.

## **-----VACUUM TRUCKS**

-- NEXT LOCATION

>> HRDH-286: KOM DONE ON 01/05/2023, STRIP OUT 00 %, LOCATION 00%. (IS STILL UNDER PLANT ENGINEER EVALUATION).

>> ANDR-147, ANDR-353, ANDR-590: KOM DONE ON 2/6/2023.

## Remarks

Lateral	Survey MD		Angle		Azimuth		CLength		TVD		N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS					
MUD DATA	Weight <b>96</b>	Funnel Vis. <b>53</b>	Filtrate(WL) HTHP	Filtrate (WL) API	PV <b>30</b>	YP <b>27</b>	Electrical Stability Volts			3/6 RPM <b>8 / 10</b>	Gels Sec/Min <b>9 / 11</b>	PH <b>8.9</b>	CA PPM			CL PPM <b>260000</b>							
	FL Temp <b>90</b>	Cake HTHP <b>0</b>	Cake API <b>3</b>	Water Vol. % <b>74</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>26</b>	Sand Vol. % <b>0</b>			% LGS <b>14.67</b>	MBT <b>0</b>	Mud type <b>CACO3</b>	Water Well # <b>HRDH-3516, HRDH-3511</b>			CL PPM <b>261000</b>							
	Weight <b>96</b>	Funnel Vis. <b>52</b>	Filtrate(WL) HTHP	Filtrate (WL) API	PV <b>29</b>	YP <b>28</b>	Electrical Stability Volts			3/6 RPM <b>8 / 10</b>	Gels Sec/Min <b>9 / 11</b>	PH <b>8.8</b>	CA PPM			CL PPM <b>261000</b>							
	FL Temp <b>90</b>	Cake HTHP <b>0</b>	Cake API <b>3</b>	Water Vol. % <b>74</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>26</b>	Sand Vol. % <b>0</b>			% LGS <b>14.62</b>	MBT <b>0</b>	Mud type <b>CACO3</b>	Water Well # <b>HRDH-3516, HRDH-3511</b>										
MUD TREATMENT																							
BIT DATA																							
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #									
Miscellaneous	BOP Test <b>02/18/2023</b>		BOP Drills		Wind <b>SEASONAL</b>			Sea <b>N/A</b>		Weather <b>SEASONAL</b>			DSLTA		Safety Meeting								
	Real-Time Data Quality			Sensors Quality			99%	Data Frequency			98%	Real-Time Hrs			<b>11.49/24 hrs</b>								
Personnel and Services Information	COMPANY		HCB <b>BRCR</b>	TGC <b>CTRG</b>	RIG <b>RIG</b>	EMC <b>DFMS</b>	OCT <b>PCS</b>	OTH <b>VAC</b>	MI3 <b>WMS</b>	ARM <b>WSC</b>	SWL <b>WLS</b>	RAC <b>WMFE</b>											
	CATEGORY		1	15	76	1	3	3	6	2	6	1											
	NO. OF PERSONS		0	0	24	12	0	0	0	24	8	0											
	OPERATING HRS.		12	24	24	24	24	24	24	24	9	8											
	ON LOCATION HRS.		12	24	24	24	24	24	24	24	9	8											
	Standby/Tankers																	Total <b>114</b>					

Trucks/Boats	<b>PICK-UP JD-7654</b>				
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>407</b>	Barite- SX	Bentonite - SX <b>1400</b>
REPAIR ASAP	Instrumentation	Other			Reporter

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D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>LAYL-2 (SIDETRACK &amp; DRILL SINGLE LATERAL ACROSS UNZA)</b>	Rig <b>SP-160</b>	Foreman(s) <b>SUQOUR, ABDULSAMAD MUBARAK/ GRATIA, PAOLO ILHAM/ LAHLAH, AZZEDINE</b> Engineer Superintendent
THURAYA	RIG FORMAN VSAT <b>8821677712584</b> <b>574-6415</b>	OTHER VSAT <b>5746418</b>	CONTRACTOR/CLERK VSAT <b>574-6417</b>
Wellbores: (0-1) LAYL_2_1			

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>12340</b>	<b>PERFORM OH MDT LOGS (PRESSURE POINTS &amp; SAMPLING), CHC.</b>	<b>CHC, POOH &amp; L/D LOGGING TOOLS.</b>	<b>713 KM FROM DHAHRAN MAIN GATE</b>	<b>28.8</b> (01/29/2023@1000)	<b>UNYZ 5192 8437 FT MD (29 FT SHALLOWER)</b>
Prev. Depth <b>12340</b>	Liner Size <b>7</b>	TOL <b>3160</b>	MD <b>8475</b>	TVD <b>5193</b>	Last Csg Size MD TVD Footage <b>9 5/8 4235 4235 0</b> Circ % <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
03.2	0500 - 0815	0-1		E	LOG	LOG	WLT	HWP	12340	12340	11439	11439	HPJSM, HALLIBURTON RDT LOGGING SCAN TO PERFORM FORMATION FLUID SAMPLE #2 AT 11439'. - DUE TO LOW MOBILITY AT 11439', HALLIBURTON RDT SCANNED FOR GOOD MOBILITY FROM 11449' TO 11429'. LOW MOBILITY. POINT ABORTED. - MOVED STRING, FREE. - MONITOR WELL THRU TRIP TANK, WELL STATIC.			
05.2	0815 - 1330	0-1		E	LOG	LOG	WLT	HWP	12340	12340	10443	10443	POOH TO 10443', CORRELATED DEPTH, HALLIBURTON RDT LOGGIN SCAN TO PERFORM FORMATION FLUID SAMPLE #3 AT 10443'.NO SEAL. - HALLIBURTON RDT LOGGING SCAN & MOVE STRING 10460 TO 10439 USING THE SECOND PROBE TAKING FORMATION FLUID SAMPLE #3 AT 1039'.LOW MOBILITY. POINT ABORTED. - MOVED STRING UP AND DOWN, CHECKED STRING & MAKE SURE FREE BEFORE TAKING FLUID SAMPLE POINT. - MOVED STRING AFETR TAKING FLUID SAMPLE, FREE. - MONITOR WELL THRU TRIP TANK, WELL STATIC.			
04.5	1330 - 1800	0-1		E	LOG	LOG	WLT	HWP	12340	12340	9870	9870	POOH TO 9870', CORRELATED DEPTH, HALLIBURTON RDT LOGGIN SCAN TO PERFORM FORMATION FLUID SAMPLE #4 AT 9870'.NO SEAL.  - HALLIBURTON RDT LOGGING SCAN & MOVE STRING 9880 TO 9860 USING THE SECOND PROBE TAKING FORMATION FLUID SAMPLE #4 AT 9870'. LOW MOBILITY. POINT ABORTED. - MOVED STRING UP AND DOWN, CHECKED STRING & MAKE SURE FREE BEFORE TAKING FLUID SAMPLE POINT. - MOVED STRING AFETR TAKING FLUID SAMPLE, FREE. - MONITOR WELL THRU TRIP TANK, WELL STATIC.			
03.0	1800 - 2100	0-1		E	LOG	LOG	WLT	HWP	12340	12340	9601	9601	POOH TO 9601', CORRELATED DEPTH, HALLIBURTON RDT LOGGIN SCAN TO PERFORM FORMATION FLUID SAMPLE #5 AT 9601'.NO SEAL.  - HALLIBURTON RDT LOGGING SCAN & MOVE STRING 9611' TO 9591' TRY TO TAKE FORMATION FLUID SAMPLE #5 AT 9601'. USING THE SECOND PROBE, NO SEAL. POINT ABORTED. - MOVED STRING UP AND DOWN, CHECKED STRING & MAKE SURE FREE BEFORE TAKING FLUID SAMPLE POINT.			

											- MOVED STRING AFETR TAKING FLUID SAMPLE, FREE. - MONITOR WELL THRU TRIP TANK, WELL STATIC.	
04.0	2100 - 0100	0-1	E	LOG	LOG	WLT	HWP	12340	12340	9264	9264	POOH TO 9264', CORRELATED DEPTH, HALLIBURTON RDT LOGGIN SCAN TO PERFORM FORMATION FLUID SAMPLE #6 AT 9264'.TIGHT. - HALLIBURTON RDT LOGGING SCAN & MOVE STRING 9274' TO 9254' TRY TO TAKING FORMATION FLUID SAMPLE #6 AT 9264'. USING THE SECOND PROBE TIGHT. POINT ABORTED. - MOVED STRING UP AND DOWN, CHECKED STRING & MAKE SURE FREE BEFORE TAKING FLUID SAMPLE POINT. - MOVED STRING AFETR TAKING FLUID SAMPLE, FREE. - MONITOR WELL THRU TRIP TANK, WELL STATIC.
01.5	0100 - 0230	0-1	E	LOG	LOG	WLT	HWP	12340	12340	8989	8989	POOH TO 8989', CORRELATED DEPTH, HALLIBURTON RDT LOGGIN SCAN TO PERFORM FORMATION FLUID SAMPLE #7 AT 8989'.TIGHT. - HALLIBURTON RDT LOGGING SCAN & MOVE STRING 8999' TO 8979' TRY TO TAKE FORMATION FLUID SAMPLE #7 AT 8989'. USING THE SECOND PROBE, TIGHT. POINT ABORTED. - MOVED STRING UP AND DOWN, CHECKED STRING & MAKE SURE FREE BEFORE TAKING FLUID SAMPLE POINT. - MOVED STRING AFETR TAKING FLUID SAMPLE, FREE. - MONITOR WELL THRU TRIP TANK, WELL STATIC.
01.5	0230 - 0400	0-1	E	LOG	LOG	WLT	HWP	12340	12340	8700	8700	POOH TO 8700', CORRELATED DEPTH, HALLIBURTON RDT LOGGING TOOK FORMATION FLUID SAMPLE #8 ADD BY RMD AT 8700'. - RMD AND RDD REQUESTED TO ADD SAMPLE POINT AT 11832'. - HALLIBURTON RDT LOGGING SCAN & MOVE STRING 8710' TO 8690' TAKING FORMATION FLUID SAMPLE #7 AT 8700'. TIGHT & POINT ABORTED. - MOVED STRING UP AND DOWN, CHECKED STRING & MAKE SURE FREE BEFORE TAKING FLUID SAMPLE POINT. - MOVED STRING AFETR TAKING FLUID SAMPLE, FREE. - MONITOR WELL THRU TRIP TANK, WELL STATIC.
01.0	0400 - 0500	0-1	E	LOG	CIRC	MPMP	RIG	12340	12340			HPJSM, POOH TO INSIDE 7" LINER SHOE @ 8458' CIRCULATED BTM/UP WITH 75 PCF OBM...ONGOING @ RPT. - MAX PRESSURE 710 PSI WITH 3BPM, 100% CIRC.

**ODF CORRECTION: -9.2 FT.**

KPI

- TRIPPING KPI: 22 STD/HR VS NONE FOR TODAY.

**BEB: 100 BBM (0 M) 30 BBM (0**

GOR UNAIZA RESERVOIR: 379 SCE/STB & H<sub>2</sub>S: 0.0 %

GOR UNAIZA RESERVOIR. 379 SCF/STB & H2S. 0.0 %.

HSE

- SAFETY: PRE-TOUR SAFETY MEETINGS: (2), WEEKLY SAFETY MEETINGS: (0).**

- STOP CARDS: (10), PTW: (2), JSA: (2), NEAR MISS: (0).

## - DRILLS: .

- #### **- SAFETY TOPICS DISCUSSED: PINCH POINT & HAND INJURY.**

POB:

- USMAN ASHRAF RIG CLERK # 8060267 ON LOCATION SINCE 11/30/2021.

- FIELD COMPLIANCE TECHNICIAN ABDULAZIZ M. ALRAGAA #791411 ON LOCATION SINCE 02/22/2023.

- SINOPEC OPERATION MANAGER MR. LIU JIN LE ON THE RIG.

AUDIT

- 2ND RHSEI 2022: JUL 25, 2022: TOTAL 39 ITEMS: CLOSED (39), OPEN (0).
  - WCI, JAN 11, 2022: TOTAL 09 ITEMS: CLOSED (9), OPEN (0).

WATER DATA

- WATER SOURCE: GHNH-801.
  - DAILY WATER RECEIVED: 0 BBL.
  - DAILY WATER CONSUMED: 0 BBLS.
  - TOTAL WATER IN MUD SYSTEM: 950 BBLS.

#### - MUD/COMPLETION DIESEL IN BBL'S:

- STOCK: 35.
  - CONSUMED: 0.
  - RECEIVED: 0.

## **RENTAL TOOLS**

- 2 X SPRINT FRACK TANKS ON LOCATION SINCE 11/16/2022.
  - RECEIVED COUGAR 4-3/4" HYDRA-MECHANICAL DRILLING JAR SN# DJ6-500-678 ON 02/15/2022 @ 15:00.
  - RECEIVED 6-1/8" NOV DLR SN# G283239 ON 02/09/2022 @ 12:00.

#### WELL SITE EQUIPMENT

- ## WELLNESS

NEXT WELLS

- NEXT WELLS:**

  - UMJF-24: KICK OFF MEETING HELD ON 01/10/2023, STRIP-OUT 100%, LOCATION 15%.
  - HWTH-144: KICK OFF MEETING NOT YET HELD.
  - HWTH-27: KICK OFF MEETING NOT YET HELD.

WINDOW DATA

- 8 5/8" WINDOW; TOW AT 3,358FT, ROW AT 3,370FT**

WELL CONTROL DATA

## WELL CONTROL DATA: VOLUMES AT 10.040 FT

**VOLUMES AT 12,340 FT.  
SERIAL VOLUME: 100 PPI'S**

**ANNUAL VOLUME WITHIN 50**

**TOTAL VOLUME WITH STRING: 392 BBL'S.**

**TOTAL VOLUME WITH STRING: 525 BBLS.**

LAST PPT TEST: (2,500 PSI, 220 DEG F). 02/23/2023

- SPURT (20 MICRONS): 1.4 ML | TOTAL (20 MICRONS): 3.0 ML.
  - SPURT (60 MICRONS): 1.8 ML | TOTAL (60 MICRONS): 3.2 ML.
  - WATER PHASE SANILITY 348000 PPM.

**LAST PSD TEST: 12,340 FT, DATE: 02/23/2023, 18:00 HRS.**

- SIZE D10: ACTIVE MUD: 7.80 / UNDER SHAKER: 7.24
  - SIZE D50: ACTIVE MUD: 34.25 / UNDER SHAKER: 31.14
  - SIZE D90: ACTIVE MUD: 96.24 / UNDER SHAKER: 80.51

## ARAMCO VEHICLE SERVICE DETAILS:

- ARAMCO CAR DOOR NUMBER AB-0750 SERVICED ON 12/14/2022. NEXT SERVICE DUE 02/14/2023.

#### Remarks

STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
Miscellaneous	BOP Test <b>02/17/2023</b>	BOP Drills <b>E/TOUR</b>	Wind	Sea	Weather <b>SEASONAL</b>	DSLTA	Safety Meeting <b>MDT/RDT LOGS ON DPS</b>							
	Real-Time Data Quality	Sensors Quality	100%	Data Frequency	100%	Real-Time Hrs	10.74/24 hrs							
Personnel and Services Information	COMPANY	OTH	SPS	WW2	RIG	OES	ASH	SGR	RIG	ARM	ARM	HWP		Total <b>101</b>
	CATEGORY	CTR G	DPDS	DPP	RIG	DFMS	FLD	MLS	OTHR	OTHR	WSC	WLS		
	NO. OF PERSONS	16	4	1	52	1	3	4	12	2	1	5		
	OPERATING HRS.	0	0	24	24	12	10	0	12	12	24	24		
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24		
Trucks/Boats	Standby/Tankers <b>AB-0750</b>													
BULK	Drill Wtr.-BBLS <b>950</b>	Pot Wtr.- BBLS <b>395</b>	Fuel- BBLS <b>91</b>	Barite- SX	Bentonite - SX	Cement G- SX <b>1400</b>								
REPAIR ASAP	Instrumentation	Computer, Communication & V-Sat Issues	Other											Reporter
	<b>NO RADIO COVERAGE AT LAYL AREA, D&amp;WO ECC INITIATE V-SAT CHECK ON A DAILY BASIS.</b>													

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Date	Well No (Type) :	Rig	Foreman(s)	ENEZY, HABES MOHAMMAD/ SOUID, HAMZA/ Zahrani, Bader Khalid/ ALBASSAM, ABDULLAH MOHAMMED/ ABU RASAIN, AMER MANE			
MONDAY 02/27/2023	DUHL-3 (OIL-CO2 EVAL/DEL)	SP- 161	Engineer				
Charge (66- 22854- #: 0003)	Wellbores: (0) DUHL_3_0	Superintendent	THURAYA	RIG FORMAN VSAT	OTHER VSAT	CONTRACTOR/CLERK VSAT	
			008821677712581	5784029	578-4074	578-4128	

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
8282	N/U & P/T TBG BONNET, N/U & P/T X-TREE, WAIT SLB WIRE LINE UNIT.	SLB W/L 7" LNR PERFORATION JOB, R/U JEREH CT & HTS WELL TESTING.	DISTANCE FROM DH 271 KM	75.0 (12/14/2022@0500)	HITH 4080 29' DEEPER ABAR 4546 85' DEEPER BAAR 4583 ABBR 4653 BABR 4686 ABCR 4849 BACR 4932 ABDR 5125 75' DEEPER HNIF 5631 73' DEEPER BUHR 6115 HDRR 6180 152' DEEPER DHRM 6732 133' DEEPER LFDR 6855 62' DEEPER BLFR 7091 FRAR 7314 42' SHALLOWER HURN 7596 124' DEEPER DRMS 8252 197' DEEPER

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
8282	7	3595	8279	8279	9 5/8	4096	4096	0	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations		
									Start	End	Start	End					
01.5	0500 - 0630	0		C	BOP	ND	BOP	RIG	8282	8282					CONT. N/D 13-5/8" BOP AND ALL RELATED EQUIPMENT.		
02.0	0630 - 0830	0		C	WH	NU	WH	GEP	8282	8282					HPJSM , N/U V.G 11" X 5-1/2" 10 K BONNET (LOWER MASTER VALVE) AS PER V.G ENG. - PRESSURE TEST LMV TO 8,500 PSI, OK.		
03.0	0830 - 1130	0		C	WH	NU	TREE	GEP	8282	8282					HPJSM, N/U 5-1/8"10K V.G X-TREE . AS PER V.G ENG. - RETRIEVE 5-1/2" BPV AND INSTALL 5-1/2" TWCV. - PRESSURE TEST X-TREE TO 8,500 PSI, OK.		
00.5	1130 - 1200	0		C	WH	PJSM	NA	RIG	8282	8282					HOLD STAND UP MEETING WITH DAY SHIFT RIG CREW. REVIEW & DISCUSS: - HAND AND FINGER INJURY PREVENTION WITH CREW, - REVIEW SLS-4477211 BREATHING DEVICE BOX NEARLY CONTACTED PEOPLE'S FOOT.		
01.0	1200 - 1300	0		C	WH	NU	WH	GEP	8282	8282					HPJSM, N/U V.G ADDITIONAL 5-1/8" 10K GATE VALVE AS PER V.G ENG. - PRESSURE TEST GV TO 8,500 PSI, OK. - RETRIEVE 5-1/2" TWCV.		
10.5	1300 - 2330	0		E	TEST	WO	NA	SWL	8282	8282			WO	909651	WAITING ON SLB WIRE LINE UNIT FOR 7" LINER PERFORATION JOB.		
00.5	2330 - 0000	0		E	TEST	PJSM	NA	RIG	8282	8282					HOLD STAND UP MEETING WITH NIGHT SHIFT RIG CREW. REVIEW & DISCUSS: - HAND AND FINGER INJURY PREVENTION WITH CREW, - REVIEW SLS-4477211 BREATHING DEVICE BOX NEARLY CONTACTED PEOPLE'S FOOT.		
05.0	0000 - 0500	0		E	TEST	WO	NA	SWL	8282	8282			WO	909651	WAITING ON SLB WIRE LINE UNIT FOR 7" LINER PERFORATION JOB.		

Lost Time Details											
From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary	
<b>27 Feb 1300 - 0500</b>	<b>15.5</b>	<b>15.5</b>	<b>909651</b>		<b>WO</b>	<b>WOTO</b>	<b>NA</b>	<b>SWL</b>	<b>8282</b>	<b>WAITING ON SLB WIRE LINE UNIT FOR 7" LINER PERFORATION JOB.</b>	

## **WELL OBJECTIVE :**

**DUHL-3 IS GOING TO BE DRILLED AS OIL - CO<sub>2</sub> EVAL/DEL IN DUHL. THE PRIMARY OBJECTIVE IS TO MITIGATE STRUCTURAL CLOSURE UNCERTAINTIES ON THE SOUTHERN NOSE OF THE STRUCTURE, AND TO SECONDARILY EVALUATE RESERVOIR QUALITY AND SEAL EFFECTIVENESS AT ARAB-A, ARAB-B, ARAB-C, ARAB-D, UPPER HANIFA, HADRIYAH, LOWER FADHILI, FARIDAH-A, FARIDAH-D AND HURANIA.**

=====ERP=====

- NO POPULATED AREAS ARE ENCLOSED BY THE 30PPM RADIUS.
  - 1/2 LFL = M, 100 PPM = M, 30 PPM = M
  - GOR AT RESERVOIR = SCF/STB & H2S: %.
  - STAGING AREA #1:(N: 2915885.784 ; E: 739848.300 ).
  - ECC DAILY PHONE COMMUNICATION CHECK PERFORMED.

=====**WELL DESIGN**=====

- 24" CSG (28" HOLE SECTION) @80' RKB. ACTUAL @ 80'.
  - 18-5/8" CSG (22" HOLE SECTION) @ 400' RKB. ACTUAL @ 401', INTO UMM ER RADHUMA FORMATION.
  - 13-3/8" CSG (16" HOLE SECTION) @ 1425' RKB. ACTUAL @ 1490'. 48' INTO PRE ARUMA FORMATION.
  - 9-5/8" CSG (12" HOLE SECTION) @ 4100' RKB. 20' INTO HITH FORMATION.
  - 7" CSG (8 3/8" HOLE SECTION) @ 8282' RKB. 30' INTO DRMS FORMATION

## ===== PERSONNEL ON BOARD =====

- ARAMCO CLERK MOHAMMED ALMUNIF ID #8419306 ON LOCATION SINCE: 2/16/2023.
  - DRILLING ENG MR. ZAHRANI, BADER KHALID# 786208 ON LOCATION SINCE: 2/16/2023.
  - ARAMCO FCT ABDULLAH ALZahrani ID#787867 ON LOCATION SINCE 02/22/2023.
  - SAO&GDD FIELD COMPLIANCE ADVISOR STANISLAV KOTSAR ID# 8059257 ON LOCATION SINCE 02/24/2023.

## -----SAFETY & DRILLS-----

**SAFETY TOPIC: DISCUSS HAND AND FINGER INJURY PREVENTION WITH CREW, REVIEW SLS-4477211 BREATHING DEVICE BOX NEARLY CONTACTED PEOPLE'S FOOT**

**PTW -5, JSA -5, PJSM-5, PRE TOUR SAFETY MEETINGS -2, WEEKLY SAFETY MEETING-0**

SAFETY DRILL S-0

**FIRE DRILL (FD): 0, MAN DOWN INJURY DRILL (MDD): 0, VERTICAL RESCUE DRILL (VRD): 0, MAN LOST-SEARCH/RESCUE DRILL (MLSRD): 0, CONFINED SPACE RESCUE DRILL (CSRД): 0, HYDROGEN SULFIDE H2S RELEASE EMERGENCY DRILL (H2S-RED): 0, H2S RESCUE DRILL (H2S-RD): 0, PIT DRILL (PD): 0, TRIP DRILL (TD): 0<sup>1</sup>, ACCUMULATOR DRILL/TEST (ADT): 0, ANNUAL EMERGENCY DRILL (APED & ASEД): 0, OIL SPILL EQUIPMENT CLEAN-UP DRILL (OSECD): 0, RIG POST-MOVE FIRE WATER SYSTEM HYDRO-TEST AND FLUSH: 0, RIG POST-MOVE: FIRE WATER SYSTEM EQUIPMENT FUNCTION TEST: 0, BOP FUNCTION TEST: 0, FIRE PUMP FUNCTION TEST: 0**

=====**DIESEL FLOW METER**

- INSTALLED NEW FLOW METER (S/N:181288S) CALIBRATED SEP. 01, 2022, DUE DATE AUG. 31, 2023.

----- RENTAL TOOLS -----

- RECEIVED OIL SERV 4-3/4" DRILLING JAR S/N: HM-J-500-0011 ON 2/17/2023 @ 16:00 PM

4TH QSL CONDUCTED 12/31/2023 TOTAL ITEMS: 0

- 4TH QSI CONDUCTED 12/21/ 2022 TOTAL ITEMS: (40), CLOSED ITEMS: (40), OPEN ITEMS: (0).

=====DUMP TRUCK & VACUUM TANKER=====

#### Remarks

DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
Miscellaneous	BOP Test <b>02/20/2023</b>	BOP Drills <b>02/20/2023</b>	Wind <b>NORMAL</b>	Sea <b>N/A</b>	Weather <b>COLD</b>	DSLTA	Safety Meeting <b>EVERY TOUR</b>							
	Real-Time Data Quality	Sensors Quality	97%	Data Frequency	95%	Real-Time Hrs	11.49/24 hrs							
Personnel and Services Information	COMPANY	JCT	SWL	RIG	TGC	GDF	RIG	ARM	ARM	GEP				Total <b>102</b>
	CATEGORY	COIL	WLS	RIG	CTRGS	DFMS	OTHR	OTHR	WSC	WHES				
	NO. OF PERSONS	12	5	48	19	1	10	4	2	1				
	OPERATING HRS.	0	2	24	0	24	12	12	24	7				
	ON LOCATION HRS.	6	2	24	24	24	24	24	24	7				
Trucks/Boats	Standby/Tankers <b>DH-7540</b>													
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX <b>1220</b>								
REPAIR ASAP	Instrumentation	Other												Reporter
	Computer, Communication & V-Sat Issues													
	<b>NO RADIO COVERAGE AT DUHL AREA.</b>													

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D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ABHD-168 (DUAL LATERAL HORIZONTAL OIL PRODUCER.)</b>	Rig <b>SP- 165</b>	Foreman(s) <b>HAFSAOUI, MOHAMMED/ ZIDANI, ZOUAOUI/ ALAMERI, OMAR KHALED/ ABADA, YASSINE</b>
Charge (66- 22014- #: 0168) Wellbores: (0) ABHD_168_0	THURAYA <b>008821677712613</b>	RIG FORMAN VSAT <b>6794128</b>	OTHER VSAT <b>679-4129 679-4128</b>
			CONTRACTOR/CLERK VSAT

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>12525</b>	<b>CIRC, HALL PERFORM 7" LINER CMT JOB, SET LINER TOP PKR, CIRC, POOH AND L/D 7" BAKER LINER HANGER RUNNING TOOL, L/D EXCESS 5"DP, 5" HWDP.</b>	<b>L/D 6-1/4" DC, PT 13 5/8 5M BOPE, RUN 6- 1/8" CO BHA WHILE P/U 4"DP.</b>	<b>160 KM FROM DAHRAN MAIN GATE, THE WELL IS LOCATED 0.12 KM S46W OF ABHD-149.</b>	<b>69.7 (12/19/2022@1300)</b>	<b>BUHR 10201 9,608' TVD (18' TVD SHALLOWER) HDDR 10918 9,834' TVD (19' TVD SHALLOWER)</b>
Prev. Depth	Liner Size <b>12525</b>	TOL <b>9829</b>	MD <b>12522</b>	TVD <b>9968</b>	Last Csg Size <b>9 5/8</b> MD <b>10316</b> TVD <b>9658</b> Footage <b>0</b> Circ % <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
01.5	0500 - 0630	0	8 1/2	N	CSG	SET	HGRL	BLH	12525	12525	12525	12525	HPJSM. SET BAKER LINER HANGER AS FOLLOWS: - DROP 1-1/2" PHENOLIC SETTING BALL & CIRCULATE DOWN TO CHASING BALL WITH 3 BPM. - LAND BALL. PRESSURE UP TO 2,000 PSI AND HOLD 10 MIN TO SET LINER HANGER -OK. - WITH 2,000 PSI ON STRING AND SLACK OFF LINER WT PLUS 90 KLBS TO CONFIRM LINER HANGER SET-OK. - INCREASE PRESSURE TO 2,800 PSI HOLD 10 MIN TO RELEASE SETTING TOOL, CONTINUE PRESSURE UP TO SHEAR SDS BALL SEAT PIN WITH 4,000 PSI, OK. - PICK UP AND CHECK FOR THE NEW PICK-UP WEIGHT AND CONFIRM THAT SETTING TOOL RELEASED, OK. - TOL @ 9,828'. - SHOE @ 12,522'. - FC @ 12,396'. - LC @ 12,275'.
00.5	0630 - 0700	0	8 1/2	N	CSG	PJSM	LINR	RIG	12525	12525			HELD STAND DOWN MEETING WITH ALL CREWS, DISCUSS 7" LINER CEMENT JOB, HAZARDS & SWA IMPLEMENTATION.
00.5	0700 - 0730	0	8 1/2	N	CSG	PJSM	LINR	HCM	12525	12525			HPJSM, R/U CMT SURFACE LINES, FLUSH & P/T SAME TO 300/5,000 PSI FOR 10 MIN - OK.
02.0	0730 - 0930	0	8 1/2	N	CSG	CIRC	MPMP	RIG	12525	12525			CIRCULATE TWO BOTTOM'S UP W/ 5 BPM & SPOT 150 BBLS OF LOW RHEOLOGY MUD AHEAD MEANWHILE HALLIBURTON BATCH MIX 106 BBLS OF 122 PCF PRIMARY CEMENT SLURRY.
04.0	0930 - 1330	0	8 1/2	N	CSG	CMC	LINR	HCM	12525	12525			PERFORMED 7" LINER CMT JOB AS FOLLOW: - HALLIBURTON PUMP 75 BBL OF 98 PCF SPACER. - HALLIBURTON PUMP 50 BBLS OF 112 PCF FLY MIXED SCAVENGER CEMENT SLURRY (216 SACKS CEMENT CLASS G). - HALLIBURTON PUMP 106 BBLS OF 122 PCF BATCH MIXED PRIMARY CEMENT SLURRY (552 SACKS CEMENT CLASS G). - WFD LINER ENG. RELEASE THE WIPER DART AND DISPLACE W/ 259 BBLS (5 BBLS 122 PCF CEMENT BEHIND (26 SACKS CEMENT CLASS G), 10 BBLS SPACER+ 60 BBLS OBM, 30 BBLS SPACER ACROSS LINER HANGER & 154 BBLS OBM). - GOOD INDICATION OF WIPER PLUG SHEAR AFTER 166 BBLS, FBP 1,000 PSI, BUMPED PLUG W/2,000PSI, BLEED OFF PRESSURE & CONFIRM FLOAT IS HOLDING OK. - NO LOSSES DURING CMT JOB. - CEMENT IN PLACE ON 26 FEB 2023 @ 13:30 HRS - CEMENT ADDITIVES SCAVENGER SLURRY 112

															PCF: D-AIR: 0.005 GPS, 0.25 % BWOC WG-17 (PH), 0.9% BWOC HR-5 (PH). - CEMENT ADDITIVES PRIMARY SLURRY 122 PCF: D-AIR: 0.005 GPS, 0.3 GPS STABILIZER 434B, 1.5 GPS LATEX 2000, 0.4 % BWOC HALAD-344 (PH), 0.1 % BWOC CFR-3 (PH), 0.35 % BWOC HR-5 (PH). - SPACER 98 PCF ADDITIVES: 18 LB/BBL TUNED SPACER E+, 0.1 GAL/BBL D-AIR 3000L, 253.955 LB/BBL BARITE, 2 GAL/BBL MUSOL, 3 GAL/BBL LO-SURF 259.
00.5	1330 - 1400	0	8 1/2	N	CSG	SET	HGRL	BLH	12525	12525	9228	9828	P/U STRING 8 FT AND ACTIVATE DOG SUB, SET TOP PACKER W/90 KLB S/O WT WITH 10 RPM ROTATION, HAD GOOD INDICATION OF PACKER SETTING.		
01.0	1400 - 1500	0	8 1/2	N	CSG	CIRC	MPMP	RIG	12525	12525			STING-OUT SLOWLY 42 FT, REVERSE CIRC 2 X STRING VOLUME, GOT 75 BBL SPACER, 55 BBL OF CEMENT & 40 BBL CONTAMINATED MUD WITH SPACER AND CEMENT AT SURFACE.		
01.5	1500 - 1630	0	8 1/2	N	CSG	CIRC	MPMP	RIG	12525	12525			DROP FOAM BALL & DIRECT CIRCULATION ONE CYCLE WITH 100% CIRC.		
00.5	1630 - 1700	0	8 1/2	N	CSG	OTH	LINR	ARM	12525	12525			R/D CMT SURFACE LINES & BAKER CMT MANIFOLD.		
00.5	1700 - 1730	0	8 1/2	N	CSG	PJSM	LINR	RIG	12525	12525			HELD STAND DOWN MEETING WITH ALL CREWS, DISCUSS 7" LINER CEMENT JOB, HAZARDS & SWA IMPLEMENTATION.		
11.5	1730 - 0500	0	8 1/2	N	DRLG	TO	SPDP	RIG	12525	12525	9828	0	POOH BAKER 7" LINER RUNNING TOOL FROM 9,828' TO SURFACE MEANWHILE L/D 96 JTS OF 5" DP AND 33 JTS OF 5" HWDP. - MONITOR WELL ON TRIP TANK - STATIC. - L/D BAKER LINER HANGER RUNNING TOOL, GOOD CONDITION.		

ABHD-168 WILL BE DRILLED AS A DUAL LATERAL HORIZONTAL OIL PRODUCER IN HADRIYA RESERVOIR OF ABU HADRIYA FIELD. THE WELL LATERAL

0 IS PLANNED TO BE DRILLED ACROSS ZONE 5 OF HADRIYA RESERVOIR WITH TOTAL DEPTH AT 14,973 'MD, AND LATERAL 1 IS PLANNED TO BE

DRILLED ACROSS ZONE 4 OF HADRIYA RESERVOIR WITH TOTAL DEPTH AT 14,972' MD. THE WELL WILL BE COMPLETED WITH ESP AND Y-TOOL TO

COUNTER THE BACK PRESSURE FROM THE SURFACE ALONG WITH SWC AND PDHMS AND WILL BE FLOWED BACK FOR CLEANUP WHILE RIG ON LOCATION.

#### =====SAFETY=====

\* ALL WELL HEADS, HEADER LINES & PROD FLOW LINES ARE BARRICADED WITH CONCRETE BLOCKS.

#### =====PERSONNEL=====

\* DRILLING FOREMAN MUDHAR AL-NASSER #775039 ON LOCATION SINCE 02/20/2023.

\* M/E TURKEY AL-DHEFFERI #8530515 ON LOCATION SINCE 02/22/2023.

\* NAODD HSE ADVISOR ANWAR ABOUSALEH #8048528 ON LOCATION SINCE 02/23/2023.

#### =====RENTAL EQUIP ON LOCATION=====

\* 6-3/4" OILSERVE HMJ SN/HMJ-675-252 ON LOCATION SINCE 02-19-2023 AT 21:00.

\* MI CENTRIFUGE.

\* MI FRAC TANKS.

#### =====DAILY DIESEL=====

\* ENGINES DIESEL CONSUMPTION (RIG + CAMP): (DAILY = 39 BBL / TOTAL PER WELL = 3,450 BBL).

#### =====

\* NEXT WELL: FDHL-173.

#### Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD		N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight <b>85</b> PCF	Funnel Vis. <b>63</b> SEC	Filtrate(WL) <b>2</b> HTHP	Filtrate (WL) API	PV <b>24</b>	YP <b>20</b>	Electrical Stability <b>1050</b> Volts	3/6 RPM <b>8 / 9</b>	Gels Sec/Min <b>10 / 13</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>32000</b>			
	FL Temp <b>150</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>12.5</b>	Oil Vol. % <b>70</b>	Solids Vol. % <b>17.5</b>	Sand Vol. % <b>0</b>	% LGS <b>4.3</b>	MBT <b>0</b>	Mud type <b>RELIANT</b>	Water Well # <b>ABHD-831</b>				
	Weight <b>85</b> PCF	Funnel Vis. <b>65</b> SEC	Filtrate(WL) <b>2</b> HTHP	Filtrate (WL) API	PV <b>24</b>	YP <b>20</b>	Electrical Stability <b>980</b> Volts	3/6 RPM <b>8 / 9</b>	Gels Sec/Min <b>10 / 13</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>32000</b>			
	FL Temp <b>150</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>12.5</b>	Oil Vol. % <b>70</b>	Solids Vol. % <b>17.5</b>	Sand Vol. % <b>0</b>	% LGS <b>4.3</b>	MBT <b>0</b>	Mud type <b>RELIANT</b>	Water Well # <b>ABHD-831</b>				
MUD TREATMENT															
	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out				

BIT DATA	13	M222	8.5	REED	S296002	TK66M1A	/ 6 X 14 /	0.902	10316	12525			
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure		
	28	140	1	1	WT	A	X	0	3200	550	196	285.3	
DRILL STRING	Float	Y											
	BHA Hrs:	36.6											
	String Wt.	Pick Up	Slack Off		Rot. Torque		Jars:		/ 36	Shock		/	
	234	252	217		15000		Serial #/Hrs		/	Sub:		/	
	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class
Miscellaneous	BOP Test		BOP Drills			Wind	Sea	Weather		DSLTA		Safety Meeting	
	02/12/2023		01/29/2023					SEASONAL				PRE-TOUR	
	Real-Time Data Quality			Sensors Quality			98%	Data Frequency	97%	Real-Time Hrs		11.49/24 hrs	
Personnel and Services Information	COMPANY	TGC	RIG	OES	SMI	BLH	ARM	HCM	MI2	ARM			Total 99
	CATEGORY	CTR G	RIG	DFMS	DFMS	LHES	OTHR	PCS	SCS	WSC			
	NO. OF PERSONS	19	68	1	1	1	2	3	1	3			
	OPERATING HRS.	0	24	12	12	24	12	12	12	24			
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24			
Trucks/Boats	Standby/Tankers												
	<b>ARAMCO CAR AB-4873</b>												
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX							
	591		591	203	81	3140							
REPAIR ASAP	Instrumentation	Other											Reporter
	Computer, Communication & V-Sat Issues												
	<b>OK</b>												

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HRDH-53 (SIDETRACK AS A SINGLE HORIZONTAL SECTION WITHIN 2A05 )</b> Charge #: (71- 22058- 0053) Wellbores: (0- 1) HRDH_53_1	Rig SP- <b>167</b> Foreman(s) <b>TILAKA, KEVIN CHRISTOPHER/ IBRAHIM, WALID IBRAHIM/ ALSHOOQ, ABDULLAH HANI/ SAAD, SAAD RASHED</b> Engineer Superintendent	THURAYA <b>0088-216-777-13755</b> RIG FORMAN VSAT	CONTRACTOR/CLERK VSAT <b>+13 576-3277 +13 576-3255</b>
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Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>11330</b>	<b>CONT WIPER TRIP RIH TO 8119 FT 7 FT ABOVE I-CIRC, CHC, FC, POOH, RUN WFD W/L CBL &amp; ULTRASONIC LOGGING WITH TRACTOR.</b>	<b>CONT RUN WFD W/L ULTRASONIC LOGGING WITH TRACTOR, RIH 6 1/8" MILL &amp; SET LNR TOP PKR, RIH 4 1/2" WFD LNR TIE BACK PKR.</b>	<b>286 KM FROM DHAHRAN MAIN GATE</b>	<b>44.0 (01/14/2023@0000)</b>	<b>HITH 5817 5830 FT MD (2.89 FT SHALLOWER) ABAR 6267 6359 FT MD (4.5 FT SHALLOWER) ARBB 6326 6443.36 FT MD (10.35 FT DEEPER) ABBR 6401 6559.49 FT MD (11.7 FT DEEPER) ARBC 6435 6617 FT MD (14.35 FT DEEPER) ABCR 6526 6780 FT MD (9.9 FT DEEPER) ARBD 6702 7190 FT MD (21.64 FT DEEPER) PADS 6811 7704 FT MD (31.54 FT DEEPER) BPDS 6818 7746 FT MD (34.53 FT DEEPER) ABD1 6829 7824.97 FT MD (32.06 FT DEEPER) AD2A 6844 8028 FT MD (32.26 FT DEEPER)</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>11330</b>	<b>4 1/2</b>	<b>5060</b>	<b>8194</b>	<b>6853</b>	<b>7</b>	<b>70897</b>	<b>089</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations
									Start	End	Start	End			
01.5	0500 - 0630	0-1		C	CT	CIRC	MPMP	RIG	11330	11330			TF	909251	SWEEP HOLE WITH 30 BBLS HVP, CHC WITH 84 PCF VISC BRINE.
00.5	0630 - 0700	0-1		N	CT	CIRC	MPMP	RIG	11330	11330			TF	909251	FLOW CHECK, STATIC, PUMP SLUG.
02.5	0700 - 0930	0-1		N	CT	TO	STDP	RIG	11330	11330	8119	3040	TF	909251	POOH 4" DP/HWDP TO POLISH MILL T/3040'
00.5	0930 - 1000	0-1		N	CT	CIRC	MPMP	RIG	11330	11330			TF	909251	FLOW CHECK, STATIC.
01.0	1000 - 1100	0-1		N	CT	HT	BHA	RIG	11330	11330			TF	909251	L/D WFD POLISH MILL, CHANGE POWER TONG & ELEVATOR.
05.0	1100 - 1600	0-1		N	CT	LDP	STRG	RIG	11330	11330	3040	0	TF	909251	CONT POOH 3 7/8" C/O ASSY WHILE L/D 2 3/8" D/P. TO SURFACE.
01.5	1600 - 1730	0-1		E	LOG	NU	SNIP	RIG	11330	11330			TF	909251	HPJSM, N/D BELL NIPPLE, N/U SHOOTING NIPPLE.
01.5	1730 - 1900	0-1		E	LOG	OTH	NA	WWL	11330	11330			TF	909251	HPJSM, R/U WFD WIRE LINE SHEAVES, PCE, P/T BOPE TO 1000 PSI, OK.
09.0	1900 - 0400	0-1		E	LOG	LOG	WLT	WWL	11330	11330	8000	5060	TF	909251	M/U & R/IH WFD RUN#1: TRACTRO-CBL-VDL-GR-CCL. TO 7200', START TRACTOR FROM 7200 TO 8000' (12' ABOVE HYDRO SEAL). LOG UP TO TOL @ 5060', POOH & L/D TOOLS.
01.0	0400 - 0500	0-1		E	LOG	OTH	NA	WWL	11330	11330			TF	909251	M/U & R/IH WFD RUN#2: TRACTRO-URS-GR-CCL. TO 8000' ... INC @ RPT.

#### Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
17 Feb 1200 - 0500	24	236.5	909251		TF	FOT	SEAL	TOT	8030	AFTER SET OH TOT PACKER AND WHILE CIRCULATION TO CONDITION MUD OBSERVED LOSSES.

ODF CORRECTION = -17'.

===== PERSONNEL =====

- ARAMCO NEW FOREMAN ADEL A. ABUSAADYA ID# 8588460 ON LOCATION.

- ABDULLAH OMAR #780301 DOECID FCT ON LOCATION SINCE 02/26/2023.

=====SAFETY=====

- HELD DAILY SAFETY/ OPERATIONAL MEETINGS WITH ALL INVOLVED PERSONNEL.

=====OTHER=====

- 5 RAW WATER TANKER ON LOCATION.

- 3 VACUUM TANKER ON LOCATION DOOR#2050

- TAQA ACID TANKER ON LOCATION WITH 70 BBLS ACID.

- 1 X 20 FT 3-SLIDE CUTTING BOX SLB ON LOCATION SINCE 1-14-2023.

=====DIESEL CONSUMPTION :=====

- ENGINES DIESEL CONSUMPTION (RIG & CAMP): DAILY: 28 BBLS (CUMULATIVE FOR CURRENT WELL, HRDH-53: 1628 BBLS).

=====NEXT WELL:=====

- HRDH-1700 KOM HELD ON 12/29/2022. STRIP OUT 100%, LOCATION 98%. (REQUIRED WELL SECUREMENT FOR HRDH-1723 ON SAME WELL PAD).

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec		DLS		
MUD DATA	Weight <b>84</b> PCF	Funnel Vis. <b>45</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9</b>	CA PPM <b>0</b>	CL PPM <b>275000</b>					
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol.% <b>92</b>	Oil Vol.% <b>0</b>	Solids Vol.% <b>8</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>WBM-CAC</b>	Water Well # <b>HRDH-890</b>						
	Weight <b>84</b> PCF	Funnel Vis. <b>45</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9</b>	CA PPM <b>0</b>	CL PPM <b>275000</b>					
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol.% <b>92</b>	Oil Vol.% <b>0</b>	Solids Vol.% <b>8</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>WBM-CAC</b>	Water Well # <b>HRDH-890</b>						
MUD TREATMENT	<b>CABR2</b>	<b>CACL2-80</b>															
BIT DATA																	
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #			
Miscellaneous	BOP Test <b>02/21/2023</b>	BOP Drills			Wind		Sea		Weather		DSLTA		Safety Meeting				
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency		100%	Real-Time Hrs		<b>11.49/24 hrs</b>				
Personnel and Services Information	COMPANY		TGC <b>CTR G</b>	RIG <b>RIG</b>	GDF <b>DFMS</b>	WLH <b>LHES</b>	ARM <b>OTHR</b>	SCP <b>PSIE</b>	OTH <b>VAC</b>	ARM <b>WSC</b>	Total <b>96</b>						
	CATEGORY		CTR G <b>19</b>	RIG <b>61</b>	DFMS <b>1</b>	LHES <b>2</b>	OTHR <b>1</b>	PSIE <b>1</b>	VAC <b>8</b>	WSC <b>3</b>	Total <b>96</b>						
	NO. OF PERSONS		19 <b>0</b>	61 <b>24</b>	1 <b>12</b>	2 <b>6</b>	1 <b>10</b>	1 <b>0</b>	8 <b>10</b>	3 <b>24</b>	Total <b>96</b>						
	OPERATING HRS.		0 <b>24</b>	24 <b>24</b>	12 <b>24</b>	6 <b>24</b>	10 <b>24</b>	0 <b>24</b>	10 <b>24</b>	24 <b>24</b>	Total <b>96</b>						
	ON LOCATION HRS.		24 <b>24</b>	24 <b>24</b>	24 <b>24</b>	24 <b>24</b>	24 <b>24</b>	24 <b>24</b>	24 <b>24</b>	24 <b>24</b>	Total <b>96</b>						
Trucks/Boats	Standby/Tankers																
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX <b>2400</b>											
REPAIR ASAP	Instrumentation	Other													Reporter		
	Computer, Communication & V-Sat Issues																

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>QTIF-671 (ELIMINATE HIGH TCA 229 PRESSURE)</b> Charge (61- 22012-#: <b>0671</b> ) Wellbores: (0) QTIF_671_0	Rig SP- <b>229</b>	Foreman(s) <b>ELTAHAN, REDA IBRAHIM/ MASHAL, MOHAMED FOUD/</b> Engineer Superintendent <b>ALKHALDI, ABDULMOHSEN FAHAD/ ALGOSAIBI, IBRAHIM HASAN/ ABBAS, MUHAMMAD NASSER</b>
		RIG FORMAN VSAT <b>013-673-5730</b>	CONTRACTOR/CLERK VSAT <b>013-673-2743</b>

Depth	Last 24 hr operations			Next 24 hr plan			Location			Days Since Spud/Comm (Date)		Formation tops	
<b>9837</b>	<b>RIH &amp; SET 9-5/8" RTTS, PT, N/D BOP, WH WORK, N/U BOP, PT, RIH &amp; RTRV RTTS, PERFORM INJECTIVITY TEST , THIRD CEMENT SQUEEZE JOB.</b>			<b>CONT 3RD CEMENT SQUEEZE JOB, CHECK THE INJECTIVITY, IF JOB SUCCESS, POH, RIH &amp; DRILL OUT FAS DRILL PLUG .</b>			<b>N- 2963374.89 E- 393040.47 ON LOCATION W-56 / 67 KM FROM DH MAIN GATE</b>			<b>44.1</b> (01/14/2023@0000)			
Prev. Depth							Last Csg Size	MD	TVD			Footage	Circ %
<b>9837</b>				<b>7</b> <b>4978</b> <b>6896</b> <b>6096</b>			<b>9 5/8</b>	<b>5277</b>	<b>5255</b>	<b>0</b>		<b>0</b>	
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	LT TYPE	LT ID	Summary of Operations
01.5	<b>0500 - 0630</b>	<b>0</b>		<b>N</b>	<b>PA</b>	<b>SET</b>	<b>RTTS</b>	<b>HCO</b>	9837	9837	200	200	HPJSM, RIH W/ 9-5/8" RTTS TO 200', SET AS PER HALL PROCEDURE. > PT TO 1000 PSI FOR 10 MIN, HOLD.
01.0	<b>0630 - 0730</b>	<b>0</b>		<b>N</b>	<b>PA</b>	<b>OTH</b>	<b>NA</b>	<b>HCO</b>	9837	9837			HPJSM, POH W/ 9-5/8" RTTS SETTING TOOL, CLOSE BOP & PT RTTS STORM VALVE TO 1000 PSI FOR 10 MIN, HOLD. > R/D HALL SETTING TOOL.
02.0	<b>0730 - 0930</b>	<b>0</b>		<b>N</b>	<b>DCOM</b>	<b>OTH</b>	<b>NA</b>	<b>RIG</b>	9837	9837			HPJSM, MOVED ALL RIG CREW TO STAGING AREA#2, KEPT ON LOCATION ONLY KEY-PERSONS FOR SIMOPS PREPARATION ON QTIF-80. > HPJSM WITH QTIF FS, PRESSURE TEST QTIF-80 HEADER LINE TO 2500 PSI FOR 30 MIN, HOLD, NO SURFACE LEAK. > OPEN WELL QTIF-80 FOR INJECTION & OBSERVED THE WELL HEAD FOR 30 MIN, NO LEAK. > QTIF-80 WELL HEAD AREA BARRICADED, HEADER LINE BARRICADED. > H2S/LEL SENSOR SET & FUNCTION TESTED BESIDE QTIF-80.
02.5	<b>0930 - 1200</b>	<b>0</b>		<b>N</b>	<b>BOP</b>	<b>ND</b>	<b>BOP</b>	<b>RIG</b>	9837	9837			HPJSM, DISCONNECT BOP HARD LINES, N/D BOP ANNULAR, HANG BOP & MOVE IT TO BACK SIDE AND SECURED
01.5	<b>1200 - 1330</b>	<b>0</b>		<b>N</b>	<b>WH</b>	<b>NU</b>	<b>WH</b>	<b>RIG</b>	9837	9837			HPJSM, N/D 13-3/8" X 11" OLD CIW TBG HEAD SPOOL. > GULF ENERGY PERFORM UT INSPECTION ON 13-3/8" CASING & 9-5/8" CASING STUB, GOOD CONDITION. > N/U NEW FMC 13-5/8", 3M X 11", 3M CASING SPOOL WITH 9-5/8" INTERFERENCE SEALS AND 2 X 2-1/16" NEW CIW GATE VALVES > PT INTERFERENCE SEALS TO 1000 PSI, HOLD.
02.5	<b>1330 - 1600</b>	<b>0</b>		<b>N</b>	<b>BOP</b>	<b>NU</b>	<b>BOP</b>	<b>RIG</b>	9837	9837			HPJSM, N/U 13-5/8"-5K PSI CLASS-A BOP & RELATED EQUIPMENT.
01.2	<b>1600 - 1715</b>	<b>0</b>		<b>N</b>	<b>BOP</b>	<b>BOPT</b>	<b>BOP</b>	<b>RIG</b>	9837	9837			FUNCTION TEST BOP, P/T BOP CONNECTION & TCA VALVE AGAINST BLIND RAM AND DOWN HOLE 9-5/8" RTTS PKR TO 1000 PSI.
01.0	<b>1715 - 1815</b>	<b>0</b>		<b>N</b>	<b>BOP</b>	<b>BOPT</b>	<b>BOP</b>	<b>RIG</b>	9837	9837			HPJSM, P/U HALL 9-5/8" RTTS PKR

														RTRV TOOL, RIH TO 200', CLOSE BOP ANNULAR & PT BOP OUTLET CONNECTIONS TO 1000 PSI, HOLD.
02.5	1815 - 2045	0	N	BOP	BOPT	BOP	RIG	9837	9837		TF	909570		EXCESSIVE TIME TAKEN TO PT BOP DUE HCR CONNECTION LEAK, FIXED & PT OK.
01.5	2045 - 2215	0	N	PA	OTH	NA	HCO	9837	9837					HPJSM, RECORD PRAMETERS, LATCH INTO HALL 9-5/8" RTTS PKR, RELEASE THE PKR, POH & L/D 9-5/8" RTTS. > MONITOR WELL ON TRIP TANK, STAND FULL & STATIC.
00.8	2215 - 2300	0	N	CT	TI	STDP	RIG	9837	9837	4000	4656			RIH WITH 3.5" DP STING IN IN 9 5/8" FAS DRILL @ 4656' AS PER HALL PROCEDURE. > PT BACKSIDE OF 9-5/8" FAS DRILL TO 1000 PSI FOR 10 MIN, HOLD
00.5	2300 - 2330	0	N	PA	CIRC	MPMP	RIG	9837	9837					PERFORM INJECTIVITY TEST AS FOLLOWING: - AT 1 BPM PRESSURE 0 PSI FOR 4 BBLS. - AT 2 BPM PRESSURE 0 PSI FOR 6 BBLS. - AT 3 BPM PRESSURE 0 PSI FOR 8 BBLS. - AT 4 BPM PRESSURE INCREASED TO 200 PSI FOR 18 BBL, STOP PUMP, PRESSURE DROPED TO ZERO. TOTAL PUMPED 36 BBLS .
01.5	2330 - 0100	0	N	PA	OTH	NA	RIG	9837	9837					HPJSM, RIG START MIXING 70 BBL LCM (185 LB/BBL) AND 100 BBL 95 PCF SPACER. MEANWHILE R/U CEMENT UNIT SURFACE LINE & PT SURFACE LINES TO 3000 PSI, HOLD .
00.2	0100 - 0115	0	N	PA	OTH	NA	HCO	9837	9837					HALLIBURTON MARKED PIPE, STING OUT FROM FAS DRILL, MAKE SPACE OUT
00.5	0115 - 0145	0	N	PA	CIRC	MPMP	RIG	9837	9837					HPJSM, RIG SPOT 40 BBLS 95 PCF ARAMCO SPACER ABOVE FAS DRILL (PUMP 40 BBLS SPACER & DISPLACED W/30 BBLS 85 PCF BRINE)
00.2	0145 - 0200	0	N	PA	OTH	NA	HCO	9837	9837					HALLIBURTON STING INTO FAS DRILL, APPLIED 30 KLB S/O AND CONFIRMED BY PRESSURE TEST TCA TO 1000 PSI. > HOLD 500 PSI ABOVE FSD DRILL WHILE CEMENT SQUEEZE JOB.
01.5	0200 - 0330	0	N	PA	OTH	NA	RIG	9837	9837					COMPLETE MIXING 70 BBL LCM (185 LB/BBL)
01.0	0330 - 0430	0	N	PA	CIRC	MPMP	RIG	9837	9837					PUMP 70 BBL185 LB / BBLS HIGH CONCENTRATION LCM PILL WITH 3 BPM, 0 PSI SURFACE PRESSURE
00.5	0430 - 0500	0	N	PA	CMP	RETNR	BCM	9837	9837	4873	4952			HPJSM, BAKER PERFORMED THIRD SQUEEZE JOB .... INC @ REPORT TIME. 30 BBL ARAMCO SPACER (95 PCF) AHEAD @ 3 BPM, P= 130 PSI. 500 BBL CEMENT (118 PCF) @ 3 BPM .... ONGING.

#### Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
27 Feb 1815 - 2045	2.5	2.5	909570		TF	XTTE	BOP	RIG	0	EXCESSIVE TIME TAKEN TO PO BOP DUE TO HCR CONNECTION LEAK

> ODF TO THS= 26.5 FT  
> RIG SP-229 TO THS= 24 FT.  
> CORRECTION = +2.5 FT.

**-----ARAMCO POB-----**

&gt; ARAMCO FCT ALI QAHTANI ID# ON LOCATION SINCE FEB 20, 2023.

&gt; ARAMCO PDP MOHAMMED AL-GHAMDI #782754 ON RIG SINCE 13-FEB-2023.

**===== ERP =====**

\*\* CONTINGENCY EQUIPMENT ON LOCATION AS PER ERP PREPARATION.

&gt;&gt; SINOPEC 55 SEAT EMERGENCY BUS &amp; 22 SEAT MINIBUS ON LOCATION.

&gt;&gt; 1ST STAGING AREA 700 M NW, 2ND STAGING AREA 400 M SE.

**-----RENTAL EQUIPMENT & THIRD PARTY -----**

&gt;&gt; 3 X RAW WATER TANKER AL-HABBAS.

&gt; RECEIVED SLB 4-3/4" DRLG JAR (021030K) ON 02/07/2023 @ 14:00.

**=====CURRENT LOCATION & ADJACENT WELLS STATUS=====**

&gt;&gt; NO SIMOPS OPERATION ON W-56, (5 WELLS ADJACENT).

&gt;&gt; THIS WELL IS LOCATED ON WELL-SITE W-56 WHICH HAS A TOTAL OF 5 WELLS (QTIF-670 (WDW) &amp; QTIF-56 (OBSERVATION) &amp; QTIF-673 (WDW) &amp; QTIF-671, ALL SHUT IN AND SCURED.

&gt;&gt; QTIF-80 (WDW) ONLINE FROM 02/26/2023.

&gt;&gt; ALL UPSTREAM LINES, HEADER LINES SECURED &amp; BARRICADED.

**-----DRILLS, ORBITS & SAFETY TOPICS: -----**

&gt;&gt; DAILY OBSERVATIONS: 20.

&gt;&gt; DRILLS:

**----- DIESEL CONSUMPTION -----**

&gt;&gt; DAILY RIG AND CAMP CONSUMPTION 24.54 BBLS

&gt;&gt; MONTHLY CUMULATIVE CONSUMPTION (FEBRUARY): 558.03BBLS.

&gt;&gt; TOTAL WELL CONSUMPTION = 1091.34 BBLS.

**----- NEXT LOCATIONS -----**

&gt;&gt; KOM HELD FOR ABHD-161 ON 12/05/2022, FIELD SERVICES: 100%, WELL SITE 100%.

&gt;&gt; KOM HELD FOR ABHD-117 ON 12/05/2022, FIELD SERVICES: 100%, WELL SITE 100%.

&gt;&gt; KOM HELD FOR ABHD-617 ON 12/28/2022, FIELD SERVICES: 100%, WELL SITE 80%.

## Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS															
MUD DATA	Weight PCF	Funnel Vis. 50 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 0	YP 0		Electrical Stability 0 Volts	3/6 RPM 0 / 0	Gels Sec/Min 0 / 0	PH 10	CA PPM 300	CL PPM 250000																	
	FL Temp 90	Cake HTHP 0	Cake API 0	Water Vol. % 99	Oil Vol. % 0	Solids Vol. % 1		Sand Vol. % 0	% LGS 0	MBT 0	Mud type WBM-CAC	Water Well # QTIF-821																		
	Weight PCF	Funnel Vis. 50 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 0	YP 0		Electrical Stability 0 Volts	3/6 RPM 0 / 0	Gels Sec/Min 0 / 0	PH 10	CA PPM 300	CL PPM 250000																	
	FL Temp 90	Cake HTHP 0	Cake API 0	Water Vol. % 99	Oil Vol. % 0	Solids Vol. % 1		Sand Vol. % 0	% LGS 0	MBT 0	Mud type WBM-CAC	Water Well # QTIF-821																		
MUD TREATMENT																														
BIT DATA																														
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #																
Miscellaneous	BOP Test 02/23/2023	BOP Drills			Wind SEASONAL			Sea	Weather		DSLTA 3691	Safety Meeting TOURLY																		
	Real-Time Data Quality								No Transmission																					
Personnel and Services Information	COMPANY		HCB	SCC	WRT	RIG	OES	ASH	RUE	ARM	BCM	ARM	Total 91																	
	CATEGORY		BRCR	CTR G	DRF	RIG	DFMS	FLD	H2S	OTHR	PCS	WSC																		
	NO. OF PERSONS		1	17	0	59	1	3	1	2	5	2																		
	OPERATING HRS.		24	0	0	24	24	12	24	12	5	24																		
	ON LOCATION HRS.		24	24	0	24	24	24	24	24	24	24																		
Trucks/Boats	Standby/Tankers DH-7484	EMERGENCY ESCAPE BUS			3 X RAW WATER TANKERS																									
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS 288	Barite- SX	Bentonite - SX 13	Cement G- SX																								
REPAIR ASAP	Instrumentation	Other													Reporter															
Computer, Communication & V-Sat Issues																														

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>FRUQ-4 (PART OF HORIZONTAL DEVELOPMENT DRILLING IN JAFURAH BASIN.)</b> Charge #: <b>(85- 22566- 7650)</b> Wellbores: (0-1) FRUQ_4_1	Rig <b>SP-257</b> Foreman(s) <b>STROM, MICHAEL CARROLL/ HAMMOUCHE, ABDELMALEK/ LE, VIET QUOC/ YAMI, FAHAD MANE</b> Engineer Superintendent	THURAYA <b>008821677712813</b>	RIG FORMAN VSAT <b>572-6641</b>	CONTRACTOR/CLERK VSAT <b>572-8166</b>
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Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>21731</b>	<b>DRILL 8-1/2" LATERAL SECTION, CHC, POOH.</b>	<b>POOH, RELOG PER IOC, POOH, LD SLB RSS BHA.</b>	<b>18KM NORTH OF URAYARAH ON ROAD 75 TURN RIGHT ON SKID ROAD 15KM. 115 KM FROM DMG.</b>	<b>43.6 (01/14/2023@1400)</b>	<b>BYDH 6330 57' SHALLOW MDTM 7287 64' SHALLOW SULY 7841 31' SHALLOW HITH 8242 80' DEEP ABAR 8846 PER PROG ABBR 8939 PER PROG ABCR 9105 41' DEEP ABDR 9286 3' SHALLOW JUBL 9479 24' DEEP JBSR 9915 2' DEEP HNIF 9983 7' SHALLOW HNFA 10455 2' SHALLOW HNFB 10555 3' SHALLOW HNFC 10627 4' SHALLOW HNFD 10713 4' SHALLOW TQMA 10797 4' SHALLOW TQMB 10994 4' SHALLOW</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>21675</b>					<b>9 5/8</b>	<b>7038</b>	<b>7038</b>	<b>56</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
01.5	0500 - 0630	0-1	8 1/2	N	DRLG	D	RSS	SDM	21675	21731			<b>SLB NEOSTEER RSS/LWD BHA DRILL 8-1/2" LATERAL SECTION W/95 PCF OBM. 100% CIRCULATION. - DOWN LINK AS REQUIRED. - WELL TD CONFIRMED BY IOC @ 21,731' MD, 10,437 TVD. - DISTANCE FROM PLAN : 160' ABOVE, 7.27' LEFT.</b>
04.0	0630 - 1030	0-1	8 1/2	N	DRLG	RR	TDS	RIG	21731	21731			<b>CHANGE IBOP ON TOP DRIVE.</b>
05.0	1030 - 1530	0-1	8 1/2	N	DRLG	CIRC	MPMP	RIG	21731	21731			<b>SWEEP &amp; CIRCULATE PER PROGRAM. - REAM UP &amp; DOWN CONTINUOUSLY. - RACK BACK 1 STAND EACH CYCLE.</b>
00.5	1530 - 1600	0-1	8 1/2	N	DRLG	CIRC	MPMP	RIG	21731	21731			<b>FLOW CHECK (STATIC).</b>
13.0	1600 - 0500	0-1	8 1/2	N	DRLG	BR	STRG	RIG	21731	21731	21731	18600	<b>TOOH W/ BACKREMING 8-1/2" NEOSTEER BHA ON 5-1/2" DP IN OPEN HOLE.</b>

FRUQ-4 IS AN APPRAISAL (VERTICAL/HORIZONTAL) WELL IN FRUQ TO BE DRILLED BY RIG SP-257. THE MAIN OBJECTIVE OF THE WELL IS TO TEST THE RESERVOIR AND HYDROCARBON FLUID PROPERTIES IN THE FRUQ AREA. THE PLANNED TD OF THE VERTICAL PILOT HOLE WILL BE +/- 10,916 FT (250 FT TVD BELOW TOP OF THE LOWER FADHILI RESERVOIR). THE ADVANCED MUDLOGGING FROM 9-5/8" CASING POINT TO TD IN THE PILOT HOLE WILL BE PERFORMED. 360 FT OF CORE (STARTED FROM 10 FT BELOW TOP OF HNFB, ESTIMATED INTERVAL AS 10,228-10,568 FT) IS PLANNED TO BE ACQUIRED COVERING HNFB TO UFDR. A SERIES OF REQUIRED OPEN HOLE LOGGING WILL BE PERFORMED AT TD OF THE PILOT HOLE. AFTERWARDS, THE PILOT HOLE WILL BE PLUGGED AND ABANDONED FOLLOWED BY A SIDETRACK. THE 8-1/2" HORIZONTAL SECTION IS PLANNED TO LAND AT +/- 50 FT. INSIDE TQMA FORMATION AND DRILL TO TD OF 21,419 FT. (MD) / 10,373 FT. (TVD) WITH A TOTAL LATERAL LENGTH OF +/- 10,300' FT AT 320 DEGREE AZIMUTH (AZ WILL BE CONFIRMED AFTER LOGGING IN PILOT HOLE). THE ADVANCED MUDLOGGING WILL BE UTILIZED FROM LP TO TD. THE WELL WILL BE COMPLETED WITH 5-1/2" CEMENTED LONG STRING MONO-BORE COMPLETION

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**\*\*JOURNEY MANAGEMENT\*\***

PRIOR TO SKID ROAD ALL MUST CALL ARAMCO CLERK @ 013-572-8166.

PROVIDE NAME OF COMPANY, NUMBER OF PERSONNEL, COLOR OF VEHICLE & EMERGENCY CONTACT.

NIGHT DRIVING IS NOT RECOMMENDED & SPECIAL PRECAUTIONS MUST BE FOLLOWED.

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MATERIAL EXPEDITOR BASEL AL-DHFIRI #8553614 ON LOCATION SINCE 2/20/2023.

ARAMCO HSE ADVISOR MOHAMED SAWAN #8553278 ON LOCATION SINCE 2/23/23.

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R.A.C. WATER SPRAY #1878TDB ON LOCATION 7/12/2022 WORKING 10.0 HRS PER DAY.

R.A.C. VACUUM TANKERS ON LOCATION (TRUCK # 7424, 5104 & 3895), 1 LOAD PER DAY.

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**CASING POINT: 5-1/2" @ 21,731'.**
**Remarks**

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
0-1	21731	91.00	317.00	81	10436.24	8563.67	-8019.49	8563.67	0.24
0-1	21650	90.84	316.89	94	10437.54	8504.49	-7964.20	8504.49	0.5

MUD DATA	Weight 95 PCF	Funnel Vis. 63 SEC	Filtrate(WL) 2.2 HTHP	Filtrate (WL) API	PV 27	YP 23	Electrical Stability 835 Volts	3/6 RPM 10 / 12	Gels Sec/Min 13 / 17	PH 0	CA PPM 0	CL PPM 50000
	FL Temp 180	Cake HTHP 1	Cake API 0	Water Vol.% 14	Oil Vol.% 61	Solids Vol.% 25	Sand Vol.% 0	% LGS 8.3	MBT 0	Mud type OBM	Water Well # FRUQ-805	
	Weight 95 PCF	Funnel Vis. 64 SEC	Filtrate(WL) 2.2 HTHP	Filtrate (WL) API	PV 27	YP 25	Electrical Stability 810 Volts	3/6 RPM 10 / 12	Gels Sec/Min 13 / 17	PH 0	CA PPM 0	CL PPM 50000
	FL Temp 180	Cake HTHP 1	Cake API 0	Water Vol.% 14	Oil Vol.% 61	Solids Vol.% 25	Sand Vol.% 0	% LGS 8.3	MBT 0	Mud type OBM	Water Well # FRUQ-805	
	Weight 95 PCF	Funnel Vis. 63 SEC	Filtrate(WL) 2.2 HTHP	Filtrate (WL) API	PV 27	YP 24	Electrical Stability 822 Volts	3/6 RPM 10 / 12	Gels Sec/Min 13 / 17	PH 0	CA PPM 0	CL PPM 50000
	FL Temp 180	Cake HTHP 1	Cake API 0	Water Vol.% 14	Oil Vol.% 61	Solids Vol.% 25	Sand Vol.% 0	% LGS 8.3	MBT 0	Mud type OBM	Water Well # FRUQ-805	

MUD TREATMENT	MAXSHIELD	CARBOTROL	CACO3-25	STELSEALFN	MRBL-M	CACO3-50	OMNI-CTE	STELSL50	
	3(55GL)	84(50LB)	12(50LB)	12(50LB)	1(2200L)	12(50LB)	4(55GL)	12(50LB)	

BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets			TFA	MD In	MD Out	TVD Out		
	9	M423	8.5	SMT	SM2664	MDSI516PIPC	/ X / 6 X 12 /	0.663	11590	21731					
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av
		40	160				4500	575	279	335.55			295		

DRILL STRING	Float	Y																
	BHA Hrs:	126																
	String Wt.	Pick Up	Slack Off		Rot. Torque			Jars:			/ 126		Shock Sub:		/ Mud Motor:			
	230	246	192		24500			Serial #/Hrs			/		/		/			
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
	1	Bit			SMT	8.5		8.5	2.25	0.65	4 1/2" REG					SM2664		
	2	RSS			SDM	8.38		6.75	4.2	13.39	4-1/2" IF	4-1/2" REG				N002808		
	3	Component Not listed			SDM	8.375		6.875	3.125	6.04	5-1/2" FH	4-1/2" IF				70090		
	4	Saver Sub			SDM	6.875		6.875	3.875	1.2	5-1/2" FH	5-1/2" FH				OF5-5654		
	5	Component Not listed			SDM	8.375		6.75	2	12.02	5-1/2" FH	5-1/2" FH				BA.849431X2		
	6	Saver Sub			SDM	6.875		6.875	3.875	0.98	5-1/2" FH	5-1/2" FH				3977-16-5		
	7	Measurement While Drilling (MWD)			SDM	6.875		6.75	5.109	25.14	5-1/2FH	5-1/2FH				N004553		
	8	Saver Sub			SDM	6.875		6.875	3.188	1.19	5-1/2FH	5-1/2FH				4122-1-2		
	9	Saver Sub			SDM	6.875		6.875	3.188	0.93	5-1/2FH	5-1/2FH				0178-5		
	10	Component Not listed			SDM	7.5		6.75	2.81	18.17	5-1/2FH	5-1/2FH				G2530		
	11	Saver Sub			SDM	6.875		6.875	3.875	1.39	5-1/2FH	5-1/2FH				3670-1-2		
	12	Component Not listed			SDM	8.25		6.9	5.157	31.42	5-1/2FH	5-1/2FH				H7771		
	13	Saver Sub			SDM	6.875		6.875	3.875	0.88	5-1/2FH	5-1/2FH				NTS-322204		
	14	Component Not listed			SDM	8.25		6.75	5.157	17.51	5-1/2FH	5-1/2FH				G6787		
	15	Crossover			SDM	6.67		6.875	2.875	2.99	XT54	4-1/2IF				4389-1-1		
	16	Pony Collar			SDM	6.78		6.69	2.81	10.13	4-1/2IF	4-1/2IF				1188837		
	17	Filter Sub			SDM	6.71		6.78	3	8.16	4-1/2IF	4-1/2IF				54118-02		
	18	Crossover			RIG	6.67		6.688	2.875	2.33	XT54	4-1/2IF						
	19	Heavy Weight Drillpipe (HWDP)			RIG	5.5	3	5.5	3.25	92.09	XT54	XT54						
	20	Hydro-Mechanical Jar			NOJ	6.5		6.5	2.75	30.23	XT54	XT54						
	21	Heavy Weight Drillpipe (HWDP)			RIG	5.5	3	5.5	3.25	91.94	XT-54	XT-54						
	22	Drillpipe			RIG	5.5	354	5.5	3.25	31	XT54	XT54						

Miscellaneous	BOP Test <b>02/11/2023</b>	BOP Drills	Wind <b>NORMAL</b>	Sea <b>NA</b>	Weather <b>SEASONAL</b>	DSLTA	Safety Meeting <b>2 X PRETOUR</b>						
	Real-Time Data Quality	Sensors Quality	97%	Data Frequency	95%	Real-Time Hrs	10.74/24 hrs						
Personnel and Services Information	COMPANY	TGC	SDM	RIG	BAR	XLG	RIG	ARM	SJC	OTH	ARM	Total <b>105</b>	
	CATEGORY	CTRG	DPDS	RIG	DFMS	MLS	OTHR	OTHR	PCS	VAC	WSC		
	NO. OF PERSONS	12	4	60	5	6	5	2	8	1	2		
	OPERATING HRS.	0	24	24	24	24	24	12	0	10	24		
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24		
Trucks/Boats	Standby/Tankers												
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>162</b>	Barite- SX <b>148</b>	Bentonite - SX <b>5</b>	Cement G- SX <b>3800</b>							
REPAIR ASAP	Instrumentation	Other											Reporter
	Computer, Communication & V-Sat Issues												

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D&WO Morning Report (Service Providers View)  
 Copyright 2010 Saudi Aramco. All Rights Reserved  
 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>DNAN-250204 (DNAN-250204 IS A PILOT WELL IN DNAN-2502 TO TEST POTENTIAL &amp; DELIVERABILITY OF DNAN BLOCK 2. PLANNED)</b>	Rig <b>SP-258</b>	Foreman(s) <b>HALZA, AHMED RASHED/ RAJAN, PARAKUNDIL/ ALHARBI, SULTAN MOSA/ MUZZIO, JUAN/ YAMI, FAHAD MANE</b>
	Charge #: <b>(85- 22752- 7641)</b> Wellbores: (0) DNAN_250204_0	Engineer <b>THURAYA +882167771106</b>	Superintendent <b>RIG FORMAN VSAT 577-9650</b>
		Contractor/Clerk <b>RIG FORMAN VSAT 577-9651</b>	VSAT <b>577-9671</b>

Depth <b>18575</b>	Last 24 hr operations <b>DRILL 8-1/2" LATERAL SECTION.</b>	Next 24 hr plan <b>DRILL 8-1/2" LATERAL SECTION TO WELL TD, PERFORM CLEAN UP CYCLES, POH.</b>	Location <b>57 KM FROM DMG.</b>	Days Since Spud/Comm (Date) <b>29.9 (01/28/2023@0700)</b>	Formation tops
					<b>DMMM 420 -168 RUS 785 -11 UMER 1108 +14 ARUM 2349 +2 LAMS 2758 +27 AHMD 5371 +79 SFNY 5668 -27 SHUB 6642 +85 BYDH 6932 +88 MDTM 7836 +199 SULY 8241 0 HITH 8751 +1 ABAR 9201 +3 ABBR 9298 +1 ABCR 9433 -1 ABDR 9565 -1 JUBH 9713 -5 JBSR 10284 -17 HNIF 10360 -30 HNFA 10626 -20 HNFB 10673 -19 HNFC 10712 -21 HNFD 10736 -22 TQMA 10755 -22 TQMB 10773 -25</b>

Prev. Depth <b>16700</b>	Liner Size	TOL	MD	TVD	Last Csg Size <b>9 5/8</b>	MD <b>78667866</b>	TVD	Footage <b>1875</b>	Circ % <b>100</b>
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Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
<b>06.5</b>	<b>0500 - 1130 0</b>	<b>8 1/2</b>	<b>N</b>	<b>DRLG</b>	<b>D</b>	<b>RSS</b>	<b>SDM</b>	<b>16700</b>	<b>17304</b>				<b>SLB NEOSTEER RSS/LWD BHA DRILL 8-1/2" LATERAL SECTION W/91 PCF OBM &amp;100% CIRCULATION. &gt; DOWN LINK AS REQUIRED.</b>
<b>00.5</b>	<b>1130 - 1200 0</b>	<b>8 1/2</b>	<b>N</b>	<b>DRLG</b>	<b>RR</b>	<b>TDS</b>	<b>RIG</b>	<b>17304</b>	<b>17304</b>				<b>RIG SERVICE.</b>
<b>09.0</b>	<b>1200 - 2100 0</b>	<b>8 1/2</b>	<b>N</b>	<b>DRLG</b>	<b>D</b>	<b>RSS</b>	<b>SDM</b>	<b>17304</b>	<b>17870</b>				<b>SLB NEOSTEER RSS/LWD BHA DRILL 8-1/2" LATERAL SECTION W/91 PCF OBM &amp;100% CIRCULATION. &gt; DOWN LINK AS REQUIRED. &gt; DRILLING PARAMETERS CONTROLLED DUE TO LATERAL AND AXIAL VIBERATIONS OBSERVED IN RSS, MWD &amp; SONIC TOOLS.</b>
<b>08.0</b>	<b>2100 - 0500 0</b>	<b>8 1/2</b>	<b>N</b>	<b>DRLG</b>	<b>D</b>	<b>RSS</b>	<b>SDM</b>	<b>17870</b>	<b>18575</b>				<b>SLB NEOSTEER RSS/LWD BHA DRILL 8-1/2" LATERAL SECTION W/91 PCF OBM &amp;100% CIRCULATION. &gt; DOWN LINK AS REQUIRED.</b>

**WELL OBJECTIVE: DNAN-250204 IS A PILOT WELL IN DNAN-2502 TO TEST POTENTIAL & DELIVERABILITY OF DNAN BLOCK 2. PLANNED TD IS 18804' MD./ 10,779'TVD, +/- 25FT INSIDE TQMB. THE LATERAL LENGTH IS 7,300', 347 DEG AZIMUTH. COMPLETION IS 5 1/2", 26#.**

**JOURNEY MANAGEMENT:**

CALL SP-258 RIG MANAGER OFFICE AT 013-867-6865 OR ARAMCO OFFICE AT 013-577-9650 PRIOR TO TURNING OFF MAIN BLACK TOP ROAD. PROVIDE RIG OFFICE, NAME OF THE COMPANY, NUMBER OF PERSONNEL, COLOR OF VEHICLE AND EMERGENCY CONTACT NUMBER OF BASE PERSONNEL. NIGHT DRIVE IS NOT RECOMMENDED.

**>> ARAMCO MATERIAL EXPEDITOR EBDAH ALKHALDI #8547789 ON LOCATION 02/20/2023.**

**DRILLS: 1X PIT DRILL, 1X FIRE DRILL.**

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS				
0	18479	91.86	346.87	95	10601.71	7991.34			-1415.66		7991.34	0.52				
0	18384	91.86	347.36	94	10604.79	7898.78			-1394.49		7898.78	0.4				
0	18290	91.78	346.99	94	10607.77	7807.18			-1373.63		7807.18	0.12				
0	18196	91.84	346.90	94	10610.74	7715.65			-1352.41		7715.65	0.24				
0	18102	91.78	347.12	94	10613.71	7624.10			-1331.29		7624.1	0.17				
0	18008	91.92	347.19	189	10616.75	7532.50			-1310.40		7532.5	0.04				
0	17819	91.84	347.19	95	10622.95	7348.31			-1268.52		7348.31	0.21				
0	17724	91.78	347.00	94	10625.95	7255.75			-1247.31		7255.75	0.37				
0	17630	91.86	346.66	94	10628.93	7164.27			-1225.91		7164.27	0.23				
0	17536	91.82	346.87	94	10631.95	7072.81			-1204.40		7072.81	0.08				
0	17442	91.87	346.81	94	10634.98	6981.33			-1183.01		6981.33	0.72				
0	17348	91.95	346.14	95	10638.11	6889.99			-1161.04		6889.99	0.92				
0	17253	92.20	346.98	94	10641.55	6797.65			-1138.97		6797.65	0.9				
0	17159	92.12	346.14	95	10645.09	6706.29			-1117.14		6706.29	0.5				
0	17064	92.07	346.61	186	10648.57	6614.03			-1094.78		6614.03	0.18				
0	16878	91.92	346.91	86	10655.04	6433.08			-1052.20		6433.08	0.16				
0	16792	91.92	346.77	8	10657.92	6349.39			-1032.63		6349.39	5.59				
0	16784	91.72	347.17	95	10658.18	6341.60			-1030.83		6341.6	0.39				
0	16689	91.55	347.50	94	10660.89	6248.95			-1010.01		6248.95	0.31				
MUD DATA	Weight 91 PCF	Funnel Vis. 58 SEC	Filtrate(WL) 2.6 HTHP	Filtrate (WL) API	PV 21	YP 23	Electrical Stability 870 Volts	3/6 RPM 9 / 11	Gels Sec/Min 9 / 12	PH 0	CA PPM 0	CL PPM 0				
	FL Temp 185	Cake HTHP 1	Cake API 0	Water Vol. % 15	Oil Vol. % 59	Solids Vol. % 26	Sand Vol. % 0	% LGS 7.8	MBT 0	Mud type OBM	Water Well # STWW-8001					
	Weight 91 PCF	Funnel Vis. 57 SEC	Filtrate(WL) 2.6 HTHP	Filtrate (WL) API	PV 21	YP 22	Electrical Stability 865 Volts	3/6 RPM 9 / 11	Gels Sec/Min 9 / 12	PH 0	CA PPM 0	CL PPM 0				
	FL Temp 185	Cake HTHP 1	Cake API 0	Water Vol. % 15	Oil Vol. % 59	Solids Vol. % 26	Sand Vol. % 0	% LGS 7.8	MBT 0	Mud type OBM	Water Well # STWW-8001					
	Weight 91 PCF	Funnel Vis. 58 SEC	Filtrate(WL) 2.6 HTHP	Filtrate (WL) API	PV 19	YP 21	Electrical Stability 853 Volts	3/6 RPM 9 / 10	Gels Sec/Min 9 / 11	PH 0	CA PPM 0	CL PPM 0				
	FL Temp 180	Cake HTHP 1	Cake API 0	Water Vol. % 15	Oil Vol. % 59	Solids Vol. % 26	Sand Vol. % 0	% LGS 7.8	MBT 0	Mud type OBM	Water Well # STWW-8001					
	Weight 91 PCF	Funnel Vis. 57 SEC	Filtrate(WL) 2.4 HTHP	Filtrate (WL) API	PV 21	YP 24	Electrical Stability 900 Volts	3/6 RPM 9 / 11	Gels Sec/Min 9 / 12	PH 0	CA PPM 0	CL PPM 0				
	FL Temp 185	Cake HTHP 1	Cake API 0	Water Vol. % 15	Oil Vol. % 59	Solids Vol. % 26	Sand Vol. % 0	% LGS 7.8	MBT 0	Mud type OBM	Water Well # STWW-8001					
	MUD TREATMENT	STELSEALFN 10(50LB)	MRBL-M 1(2200L)	CACO3-25 50(55LB)	CACO3-50 65(55LB)	CAOH2 30(25KG)	BFIBRE-SF 56(25LB)	CARBOTROL 117(50LB)	S-SCAVS 40(55LB)	BARITE 13(5000L)	CRISTOL PE4(55GL)	CRISTOL SE2(55GL)	VG6 60(55LB)			
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out					
	7	M423	8.5	SMT	SM2706	MDSI516PIPC	/ X / 8 X 12 /	0.884	11621	17575						
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
			43	160					3200	550	200	320.96			139	
DRILL STRING	Float	Y														
	BHA Hrs:	75.3														
	String Wt.	Pick Up	Slack Off		Rot. Torque		Jars:		/ 82.5		Shock Sub:		/	Mud Motor:	/	
	267	274	248		19000		Serial #/Hrs		/			/				
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit			SMT	8.5	1	8.5	2.25	0.6	4 1/2" REG					SM2706
	2	RSS			SDM	8.38		8.032	4.2	13.34	4-1/2" IF	4-1/2" REG				
	3	Component Not listed			SDM	8.375	1	8.375	3.125	5.14	5-1/2"FH	4-1/2"IF				
	4	Saver Sub			SDM	6.875	1	6.875	3.875	1.18	5-1/2"FH	5-1/2"FH				
	5	Component Not listed			SDM	8.375	1	8.375	2	15.12	5-1/2"FH	5-1/2"FH				
	6	Component Not listed			SDM	6.875		6.875	3.875	1.17	5-1/2 FH	5-1/2 FH				
	7	Measurement While Drilling (MWD)			SDM	7.77	1	7.77	5.109	25.16	5-1/2FH	5-1/2FH				
	8	Component Not listed			SDM	6.875	1	6.8	3.875	1.67	5-1/2FH	5-1/2FH				
	9	Saver Sub			SDM	6.875	1	6.875	3.188	1.2	5-1/2FH	5-1/2FH				
	10	Component Not listed			SDM	7.5	1	7.5	2.81	17.81	5-1/2FH	5-1/2FH				
	11	Saver Sub			SDM	6.875	1	6.875	3.875	1.21	5-1/2FH	5-1/2FH				
	12	Component Not listed			SDM	8.25	1	8.25	5.157	32.01	5-1/2FH	5-1/2FH				
	13	Saver Sub			SDM	6.875	1	6.875	3.875	1.21	5-1/2FH	5-1/2FH				

	14	Stabilizer	SDM	8.221	1	8.221	2.25	17.21	5-1/2FH	5-1/2FH		
	15	Crossover	SDM	6.91	1	6.91	4	2.23	4-1/2IF	5-1/2FH		
	16	Non Magnetic Drill Collar ( NMDC )	SDM	6.78	1	6.78	2.81	11.25	4-1/2IF	4-1/2IF		
	17	Component Not listed	SDM	6.91	1	6.9	3.25	8.17	4-1/2IF	4-1/2IF		
	18	Crossover	RIG	6.67	1	6.67	2.875	2.65	XT54	4-1/2IF		
	19	Heavy Weight Drillpipe (HWDP)	RIG	5.5	2	5.5	3.25	61.32	XT54	XT54		
	20	Hydro-Mechanical Jar	NOJ	6.5		6.5	2.75	32.89	XT54	XT54		474-651438
	21	Heavy Weight Drillpipe (HWDP)	RIG	5.5	3	5.5	3.25	92.31	XT-54	XT-54		
	22	Drillpipe	RIG	5.5	1	5.5	3.25	30	XT54	XT54		
Miscellaneous	BOP Test 02/21/2023	BOP Drills	Wind NORMAL	Sea N/A	Weather NORMAL	DSLTA	Safety Meeting DAILY X 2					
	Real-Time Data Quality	Sensors Quality	93%	Data Frequency	88%	Real-Time Hrs	11.48/24 hrs					
Personnel and Services Information	COMPANY	TGC	SDM	RIG	BAR	SNS	RIG	ARM	SJC	ARM		Total 108
	CATEGORY	CTRG	DPDS	RIG	DFMS	H2S	OTHR	OTHR	PCS	WSC		
	NO. OF PERSONS	13	4	68	13	1	3	1	3	2		
	OPERATING HRS.	0	12	12	12	12	12	12	0	12		
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24		
Trucks/Boats	Standby/Tankers <b>DH7560</b>											
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>407</b>	Barite- SX <b>443</b>	Bentonite - SX <b>150</b>	Cement G- SX <b>4800</b>						
REPAIR ASAP	Instrumentation	Other										Reporter
	Computer, Communication & V-Sat Issues											

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D&WO Morning Report (Service Providers View)  
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Daily Onshore  
(0500-0500) Saudi Aramco

Date <b>MONDAY</b> <b>02/27/2023</b>	Well No (Type) : <b>HMYM-532214</b> <b>(GAS PRODUCER)</b> Charge #: <b>(87- 23710- 7770)</b> Wellbores: (0) HMYM_532214_0	Rig <b>SP-259</b>	Foreman(s) Engineer Superintendent	<b>BOUHABILA, MOHAMMED-SALAH/YIN, GUOQIANG/YAMI, FAHAD MANE</b>		
			THURAYA <b>+8821677712753</b>	RIG FORMAN VSAT <b>572-4207</b>	OTHER VSAT <b>572-5434</b>	CONTRACTOR/CLERK VSAT <b>572-6932</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops				
<b>0</b>	<b>R/U ON HMYM-532214 AND SPUD WELL.</b>	<b>R/U ON HMYM-532214 AND SPUD WELL.</b>	<b>TAKE HALF MOON ROAD, TURN RIGHT THROUGH BRIDGE TOWARD KHUFFUF THEN TURN LEFT THROUGH 20KM SKID ROAD.</b>	<b>0.0 (@)</b>					
Prev. Depth <b>0</b>	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage <b>0</b>	Circ % <b>0</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
24.0	0500 - 0500	0		N	RM	RM	NA	RIG	0	0			<p><b>HELD PRE-JOB SAFETY MEETING WITH ALL PARTIES INVLOVED IN RIG MOVE.</b></p> <ul style="list-style-type: none"> <li>- CONNECTED SURFACE LINES.</li> <li>- RU FLOW LINE &amp; POWER CATWALK.</li> <li>- MAST ALIGNEMENT, OK.</li> <li>- CONNECTED SURFACE MUD TRANSFER LINE.</li> <li>- CONNECTED FLARE LINES.</li> <li>- RIG UP CELLAR PUMP.</li> <li>- CONNECTED POWER CABLE FOR RIG FLOOR.</li> <li>- MIXED SPUD MUD, OK.</li> </ul> <hr/> <ul style="list-style-type: none"> <li>- R/D ON HMYM-532204 = 100%.</li> <li>- R/M TO HMYM-532214 = 100%.</li> <li>- R/U ON HMYM-532214 = 70%.</li> </ul> <p><b>RIG MOVE PERSONNEL &amp; EQUIPMENT:</b></p> <ul style="list-style-type: none"> <li>&gt; 1 RIGGER-1.</li> <li>&gt; 3 CRANES.</li> <li>&gt; 2 FORKLIFT.</li> <li>&gt; 3 LOW BED TRUCKS.</li> </ul>

HMYM-532214 IS THE 2ND SLOT ON PAD HMYM-5322 TO BE DRILLED BY RIG SP-259 AS A HORIZONTAL DEVELOPMENT TIGHT GAS WELL TARGETING TUWAIQ MOUNTAIN SOURCE ROCKS RESERVOIR B (TQMB) BELOW THE HIGH GR ZONE. THE WELL IS PLANNED TO LAND AT +/- 24 FT. INSIDE TQMA FORMATION AND DRILL TO TD OF 18,671 FT. (MD)/ 10,391 FT. (TVD) WITH A TOTAL LATERAL LENGTH OF 7,412 FT AT 167 DEGREE AZIMUTH. THE WELL WILL BE COMPLETED WITH 5-1/2" CEMENTED LONG STRING MONO-BORE COMPLETION. THE TOTAL PLANNED DURATION FROM SPUD TO RIG RELEASE IS 21 DAYS.

#### JOURNEY MANAGEMENT:

CALL SP-259 RIG OFFICE AT 013-572-4207 OR ARAMCO RIG CLERK AT 013-572-6930 PRIOR TO TURNING OFF MAIN ROAD.  
PROVIDE RIG OFFICE- NAME OF COMPANY, NUMBER OF PERSONNEL, COLOR OF VEHICLE AND EMERGENCY CONTACT NUMBER OF BASE  
PERSONNEL. NIGHT DRIVING IS NOT RECOMMENDED.

> ARAMCO CLERK NOOR ULLAH IRFAN #8545532 ON LOCATION SINCE 07/29/2022.  
> ARAMCO NEW FOREMAN MOUPAD KADRI #8573814 ON LOCATION SINCE 2/8/2023

**> NEAR MISS: NONE.**  
**> DRILLS: NONE**

- DAILY DIESEL CONSUMPTION FOR BIG ENGINES: 44.03BBL/S (CAMP ENGINES: 4.71BBL/S) / TOTAL: 91.5BBL/S FOR HHMMY-532214

> DAILY DIESEL CONSUMPTION FOR RIG ENGINES: 44.05BBLS /CAMP ENGINES: 4.71

#### EXCHANGER

**Remarks:** \_\_\_\_\_

Lateral Survey MD Angle Azimuth

## Remarks

Real-Time Data Quality

Personnel and Services Information	COMPANY		TGC	BAR	RIG	ARM	ARM	OTH	SJC	RIG	Total <b>115</b>
	CATEGORY		CTR G	DFMS	RIG	OTHR	WSC	VAC	PCS	OTHR	
	NO. OF PERSONS		17	11	58	1	2	1	1	24	
	OPERATING HRS.		0	24	24	12	12	10	12	12	
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	
	Standby/Tankers										
Trucks/Boats	<b>AB-8993</b>										
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS <b>190</b>	Fuel- BBLS <b>465</b>	Barite- SX <b>177</b>	Bentonite - SX <b>58</b>	Cement G- SX <b>3500</b>					
REPAIR ASAP	Instrumentation	Other									Reporter
Computer, Communication & V-Sat Issues											

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Date <b>MONDAY</b> <b>02/27/2023</b>	Well No (Type) : <b>RISH-222020</b> <b>(TO TEST THE RESERVOIR AND HYDROCARBON FLUID PROPERTIES OF THE TUWAIQ MOUNTAIN SOURCE ROCK (TQSR) )</b>	Rig <b>SP-260</b>	Foreman(s) <b>ALQADRAH, ALI HAMED/ HIDEB, MOUSTAFA/ ALMALKI, NAWAF HAMED/ YAMI, FAHAD MANE</b>
	Engineer Superintendent	THURAYA	RIG FORMAN OTHER VSAT CONTRACTOR/CLERK VSAT <b>00882-167771-2138</b> 5728415 <b>5726472</b> <b>5746836</b>
	Charge <b>(85- 22731-#:</b> <b>7644)</b> Wellbores: <b>(0- RISH_222020_1 1)</b>		

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>21615</b>	<b>DRILL 8-1/2" LATERAL SECTION TO TD, PERFORM CLEAN UP CYCLES.</b>	<b>CHC, POOH AND L/D SLB BHA, RUN 5 1/2" COMPLETION.</b>	<b>117 KM F / DHMG</b>	<b>52.0</b> (01/06/2023@0515)	<b>DMMM</b> 415 <b>111' DEEPER</b> <b>RUS</b> 935 <b>255' DEPPER</b> <b>UMER</b> 1268 <b>133' DEEPER</b> <b>ARUM</b> 2805 <b>152' DEEPER</b> <b>LAMS</b> 3723 <b>71' DEEPER</b> <b>AHMD</b> 4993 <b>33' DEEPER</b> <b>SFNY</b> 5403 <b>49" DEEPER</b> <b>SHUB</b> 6208 <b>11" SHALLOWER</b> <b>BYDH</b> 6363 <b>21' SHALLOWER</b> <b>MDTM</b> 7402 <b>36' DEEPER</b> <b>SULY</b> 7872 <b>33' DEEPER</b> <b>HITH</b> 8444 <b>21' DEEPER</b> <b>ABAR</b> 8921 <b>148' DEEPER</b> <b>ABBR</b> 8974 <b>123' DEEPER</b> <b>ARBC</b> 9056 <b></b> <b>ABCR</b> 9150 <b>128' DEEPER</b> <b>ARBD</b> 9252 <b></b> <b>ABDR</b> 9412 <b>131' DEEPER</b> <b>JUBL</b> 9533 <b>6' SHALLOWER</b> <b>JBSR</b> 9976 <b>14' SHALLOWER</b> <b>HNIF</b> 10006 <b>14' SHALLOWER</b> <b>HNFA</b> 10395 <b>14' SHALLOWER</b> <b>HNFB</b> 10443 <b>14' SHALLOWER</b> <b>HNFC</b> 10480 <b>14' SHALLOWER</b> <b>HNFD</b> 10515 <b>14' SHALLOWER</b> <b>TQMA</b> 10558 <b>16' SHALLOWER</b> <b>TQMB</b> 10603 <b>16' SHALLOWER</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>21305</b>					<b>9 5/8</b>	<b>74497449</b>		<b>310</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
07.0	0500 - 1200	0-1	8 1/2	N	DRLG	D	RSS	SDM	21305	21615			SLB RSS W/LWD DRILLED 8.5" LATERAL SECTION WITH 96 PCF OBM,100% CIRCULATION. - TAKE SLOW PUMP RATES AS NEEDED. - PUMP TANDEM PILLS AS NEEDED. - POSITION TO PLAN : 50FT ABOVE, 11FT LEFT.			
11.2	1200 - 2315	0-1	8 1/2	N	DRLG	CIRC	MPMP	RIG	21615	21615			PERFORMED CLEAN UP CYCLES. -TAKE SLOW PUMP RATES.			
01.0	2315 - 0015	0-1	8 1/2	N	DRLG	OTH	NA	RIG	21615	21615			FLOW CHECK- WAS TRACKLING AT 10-12 SEC (1.89 BBLS/HR) -DISCUSS WITH TOWN AND DECISION TO CONTINUE CIRCULATE ONE MORE CYCLE TO CONDITION MUD.			
02.5	0015 - 0245	0-1	8 1/2	N	DRLG	CIRC	MPMP	RIG	21615	21615			CONTINUE CIRCULATE HOLE CLEAN. - HAD 22% GAS ON BOTTOMS UP.			
00.5	0245 - 0315	0-1	8 1/2	N	DRLG	OTH	NA	RIG	21615	21615			FLOW CHECKED, WAS TRICKLING AT 9 SECONDS (2.52 BBLS/HR).			
01.8	0315 - 0500	0-1	8 1/2	N	DRLG	WCNT	NA	RIG	21615	21615			SHUT IN WELL AND MONITOR PRESSURE.			

RISH-222020 IS AN APPRAISAL TYPE-A ( VERTICAL/HORIZONTAL) WELL IN RISH BLOCK-22 TO BE DRILLED BY RIG SP-260. THIS WILL BE THE FIRST WELL IN RISH BLK22. THE MAIN OBJECTIVE OF THE WELL IS TO TEST THE RESERVOIR AND HYDROCARBON FLUID PROPERTIES OF THE TUWAIQ MOUNTAIN SOURCE ROCK (TQSR) IN THE RISH FIELD. IN ORDER TO ACHIEVE THIS, A VERTICAL FOLLOWED BY A SIDETRACK WITH A HORIZONTAL SECTION OF 7,000 FEET ARE PLANNED TO BE DRILLED. THE LATERAL SECTION WILL TARGET THE TQSR (SUBUNIT B) AND THE WELL WILL BE STIMULATED WITH A FRAC GEN III TO TEST DELIVERABILITY OF THE WELL IN THIS BLOCK. AS A SECONDARY OBJECTIVE, THIS WELL WILL HAVE A COMPREHENSIVE DATA ACQUISITION PROGRAM. A CONVENTIONAL CORE OF 360 FEET IS PLANNED TO BE ACQUIRED MAINLY TARGETING THE TQSR. IN ADDITION, SPECIALIZED LOGS WILL BE ACQUIRED SUCH AS QUAD COMBO, NMR AND IMAGE LOGS, TO

BETTER UNDERSTAND THE RESERVOIR VARIABILITY OF THE TCSR IN THE AREA, AND TO IDENTIFY POSSIBLE FRACTURE CORRIDORS THAT MAY ENHANCE THE WELL PRODUCTIVITY. THE LOCATION OF THE WELL WAS SELECTED TARGETING LIQUID-RICH (BLACK OIL) AREA AS PART OF THE RECENT REVISED EUCD BUSINESS STRATEGY.

**ARAMCO MATERIAL EXPEDITOR ESSA MATER AL-DHAFEERI #8553610 ON LOCATION SINCE 2/20/2023  
ARAMCO PDP FAISAL ALGHAMDI # 786201 ON LOCATION SINCE 2/20/2023**

**DRILLS: 02 PIT DRILLS.  
NEAR MISS: 4482227.**

## **--MUD-LOGGING-REPORT--**

LITHOLOGY: 21,130'-21,615':100% LIMESTONE.

**GASES: MAX BACKGROUND GASES= 17.97% AT 21,336'.**

**DAILY DIESEL CONSUMPTION (RIG ENGINES: 113.07 BBLS, CAMP ENGINE: 5.05 BBLS TOTAL: 118.12 BBLS) (TOTAL CONSUMPTION FOR RISH-222020 =3464.38 BBLS.)**

#### Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
0-1	21615	90.00	314.90	52	10588.8	8166.31	-8127.22	11521.26	0.22
0-1	21563	90.11	314.93	43	10588.85	8129.59	-8090.39	11469.26	0.75
0-1	21520	90.14	315.25	95	10588.94	8099.14	-8060.03	11426.26	0.29
0-1	21425	90.06	314.99	95	10589.11	8031.82	-7993.00	11331.26	0.12
0-1	21330	90.00	314.89	94	10589.16	7964.72	-7925.75	11236.26	0.42
0-1	21236	90.03	315.28	94	10589.18	7898.15	-7859.39	11142.26	0.63

MUD DATA	Weight <b>97</b> PCF	Funnel Vis. <b>78</b> SEC	Filtrate(WL) <b>2.8</b> HTHP	Filtrate (WL) API	PV <b>30</b>	YP <b>31</b>	Electrical Stability <b>880</b> Volts	3/6 RPM <b>12 / 14</b>	Gels Sec/Min <b>11 / 12</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>
	FL Temp <b>120</b>	Cake HTHP <b>2</b>	Cake API <b>0</b>	Water Vol. % <b>14.4</b>	Oil Vol. % <b>62.4</b>	Solids Vol. % <b>23.2</b>	Sand Vol. % <b>0</b>	% LGS <b>5.3</b>	MBT	Mud type <b>OBM</b>	Water Well # <b>RISH-808</b>	
	Weight <b>96</b> PCF	Funnel Vis. <b>77</b> SEC	Filtrate(WL) <b>2.8</b> HTHP	Filtrate (WL) API	PV <b>30</b>	YP <b>30</b>	Electrical Stability <b>865</b> Volts	3/6 RPM <b>12 / 14</b>	Gels Sec/Min <b>11 / 12</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>
	FL Temp <b>120</b>	Cake HTHP <b>2</b>	Cake API <b>0</b>	Water Vol. % <b>14.4</b>	Oil Vol. % <b>62.4</b>	Solids Vol. % <b>23.2</b>	Sand Vol. % <b>0</b>	% LGS <b>6.3</b>	MBT	Mud type <b>OBM</b>	Water Well # <b>RISH-808</b>	
	Weight <b>96</b> PCF	Funnel Vis. <b>77</b> SEC	Filtrate(WL) <b>3</b> HTHP	Filtrate (WL) API	PV <b>31</b>	YP <b>31</b>	Electrical Stability <b>857</b> Volts	3/6 RPM <b>12 / 14</b>	Gels Sec/Min <b>11 / 13</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>
	FL Temp <b>120</b>	Cake HTHP <b>2</b>	Cake API <b>0</b>	Water Vol. % <b>14.2</b>	Oil Vol. % <b>62.4</b>	Solids Vol. % <b>23.4</b>	Sand Vol. % <b>0</b>	% LGS <b>5.9</b>	MBT	Mud type <b>OBM</b>	Water Well # <b>RISH-808</b>	
	Weight <b>96</b> PCF	Funnel Vis. <b>79</b> SEC	Filtrate(WL) <b>3</b> HTHP	Filtrate (WL) API	PV <b>31</b>	YP <b>30</b>	Electrical Stability <b>873</b> Volts	3/6 RPM <b>12 / 14</b>	Gels Sec/Min <b>11 / 12</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>
	FL Temp <b>120</b>	Cake HTHP <b>2</b>	Cake API <b>0</b>	Water Vol. % <b>14.2</b>	Oil Vol. % <b>62.4</b>	Solids Vol. % <b>23.4</b>	Sand Vol. % <b>0</b>	% LGS <b>5.9</b>	MBT	Mud type <b>OBM</b>	Water Well # <b>RISH-808</b>	

MUD TREATMENT	G-SCAV AR	CACO3-25	CACO3-50	STELSEALFN	STELSL50	BARITE	CAOH2	LIG-OBM
	2(55GL)	12(50LB)	12(50LB)	12(50LB)	12(55LB)	10(5000L)	19(50LB)	8(55LB)

BIT DATA	Bit Number		IADC	Size	Manufacturer	Serial Number	Type			Jets		TFA	MD In	MD Out	TVD Out	
	6		M423	8.5	SMT	SM2663	MDSI516PIPC	/ X	8 X 10	/ 0.614	9370	11430				
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
					1	1	WT	A	X	0						
	Bit Number		IADC	Size	Manufacturer	Serial Number	Type			Jets		TFA	MD In	MD Out	TVD Out	
	7		M423	8.5	SMT	SM2464	MDSI616PIPV1C	/ 6 X 12	/ 0.663	11430	21615					
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
			20	160							4300	540	262	315.13		247

Float	<b>Y</b>																			
BHA Hrs:																				
String Wt.	Pick Up	Slack Off	Rot. Torque			Jars: Serial #/Hrs		/	<b>37.3</b>	Shock Sub:		Mud	/							
String Wt.	Pick Up	Slack Off	Rot. Torque			Jars: Serial #/Hrs		/		Shock Sub:		Mud	/							
Float	<b>Y</b>																			
BHA Hrs:	<b>143.5</b>																			
String Wt.	Pick Up	Slack Off	Rot. Torque			Jars: Serial #/Hrs		/	<b>136.5</b>	Shock Sub:		Mud	/							
<b>230</b>	<b>250</b>	<b>196</b>	<b>21500</b>			Serial #/Hrs		/		Shock Sub:		Mud	/							
Order	Component		Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #						
1	<b>Bit</b>		<b>SMT</b>	<b>8.5</b>	<b>1</b>	<b>8.5</b>		<b>0.6</b>	<b>4-1/2"</b> <b>REG</b>					<b>SM2464</b>						
2	<b>RSS</b>		<b>SDM</b>	<b>6.75</b>	<b>1</b>	<b>6.75</b>	<b>4.2</b>	<b>13.33</b>	<b>4-1/2" IF</b>	<b>4-1/2" REG</b>				<b>CC7C132T22</b>						
3	<b>Saver Sub</b>		<b>SDM</b>	<b>8.37</b>	<b>1</b>	<b>6.9</b>	<b>3.12</b>	<b>5.21</b>	<b>5-1/2"FH</b>	<b>4-1/2"IF</b>				<b>7B195222</b>						
4	<b>Saver Sub</b>		<b>SDM</b>	<b>6.87</b>	<b>1</b>	<b>6.87</b>	<b>3.87</b>	<b>1.21</b>	<b>5-1/2"FH</b>	<b>5-1/2"FH</b>				<b>NTS-33240</b>						
5	<b>Measurement While Drilling</b>		<b>SDM</b>	<b>6.87</b>	<b>1</b>	<b>6.87</b>	<b>5.109</b>	<b>23.17</b>	<b>5-1/2"FH</b>	<b>5-1/2"FH</b>				<b>N004174</b>						

DRILL STRING	(MWD)												
	6	Measurement While Drilling (MWD)	SDM	6.8	1	6.8	3.87	1.19	5-1/2"FH	5-1/2"FH		4152.1.1	
	7	Measurement While Drilling (MWD)	SDM	6.87	1	6.87	5.109	25.15	5-1/2"FH	5-1/2"FH		N004556	
	8	Measurement While Drilling (MWD)	SDM	6.8	1	6.8	3.87	1.61	5-1/2"FH	5-1/2"FH		3977.10.2	
	9	Saver Sub	SDM	6.87	1	6.87	2.81	0.9	5-1/2"FH	5-1/2"FH		2840.6.2	
	10	Saver Sub	SDM	6.75	1	6.75	2.81	18.18	5-1/2"FH	5-1/2"FH		50739	
	11	Saver Sub	SDM	6.88	1	6.88	3.87	1.16	5-1/2"FH	5-1/2"FH		NTS-33240	
	12	Measurement While Drilling (MWD)	SDM	6.87	1	6.87	5.157	31.51	5-1/2"FH	5-1/2"FH		H0342	
	13	Saver Sub	SDM	6.87	1	6.87	3.87	1.19	5-1/2"FH	5-1/2"FH		3977-16.6	
	14	Saver Sub	SDM	6.75	1	6.75	2.25	17.29	5-1/2"FH	5-1/2"FH		A1191	
	15	Non Magnetic Drill Collar (NMDC)	SDM	6.87	1	6.87	4	2.87	5-1/2" FH	4-1/2" IF		374-1.1	
	16	Pony Collar	SDM	6.78	1	6.78	2.81	10.88	4-1/2"IF	4-1/2"IF		1288642	
	17	Filter Sub	SDM	6.9	1	6.9	3	7.58	4-1/2"IF	4-1/2"IF		32010512	
	18	Crossover	RIG	6.75	1	6.75	2.92	2.61	4-1/2"IF	XT-54		2019-11-5-7	
	19	Heavy Weight Drillpipe (HWDP)	RIG	5.5	2	5.5	3.25	61.31	XT 54	XT 54		TALLY	
	20	Hydro-Mechanical Jar	NOJ	6.5	1	6.5	2.75	28.53	XT 54	XT 54		W1326267-1	
	21	Heavy Weight Drillpipe (HWDP)	RIG	5.5	6	5.5	3.25	183.92	XT 54	XT 54		TALLY	
	22	Drillpipe	RIG	5.5	1	5.5	4.67	10413.3	XT 54	XT 54		TALLY	
Miscellaneous	BOP Test 02/19/2023	BOP Drills		Wind NORMAL		Sea N/A	Weather SEASONAL		DSLTA		Safety Meeting 2X DAILY		
	Real-Time Data Quality		Sensors Quality		100%	Data Frequency		100%	Real-Time Hrs		11.49/24 hrs		
Personnel and Services Information	COMPANY	SPR	RIG	SDM	RIG	BAR	XLG	ARM	SCM	OTH	ARM	CAM	TOT
	CATEGORY	CSR	CTRG	DPDS	RIG	DFMS	MLS	OTHR	PCS	VAC	WSC	WHES	LHES
	NO. OF PERSONS	7	16	4	69	12	12	2	4	1	2	2	2
	OPERATING HRS.	0	0	12	24	24	24	12	0	10	24	0	0
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24	24
Trucks/Boats	Standby/Tankers <b>AB-7377</b>												
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>521</b>	Barite- SX <b>182</b>	Bentonite - SX <b>8</b>	Cement G- SX <b>3200</b>							
REPAIR ASAP	Instrumentation	Other											Reporter
Computer, Communication & V-Sat Issues													

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Total  
**133**

Date <b>MONDAY</b> <b>02/27/2023</b>	Well No (Type) : <b>MZLJ-153201</b> <b>(THE OBJECTIVE OF THIS WELL IS TO DRILL 5000 FT OF FRACKABLE LATERAL ACROSS UPPER SARAH FORMATION)</b> Charge #: <b>(87- 22086- 4196)</b> Wellbores: <b>(0- 1)</b> MZLJ_153201_1	Rig SP- <b>261</b> Foreman(s) <b>SCHMITZ, MATTHEW JOHN/ HEMIDA, MOHAMED SAID/ ALZahrani, Ziyad Ghurmullah/ Alsaggaf, Albaraa Adnan/ DKane, Awad Ali</b> Engineer Superintendent	THURAYA <b>+8821677712577</b>	RIG FORMAN VSAT <b>013-572-4823</b>	CONTRACTOR/CLERK VSAT <b>013-572-6445</b>
--	---	--	----------------------------------	--	--

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>9745</b>	<b>POH &amp; L/D 12" MOTOR BHA, MU 12" ROTARY BHA, RIH TO BOTTOM, CHC &amp; SPOT CASING GO PILL, POH C/O BHA.</b>	<b>POOH TO RUN 9 5/8 CASING, RTRV WB &amp; JET WH, CHG &amp; TEST UPR, R/U CRT/CSG TOOLS, M/U SHOE TRACK, RIH 9 5/8" CASING.</b>	<b>TAKE BLACKTOP FROM KHURAIS TO AL-KHARJ FOR 78.5KM. TURN LEFT ONTO SKID ROAD FOR 16KM FOLLOW SIGNS</b>	<b>19.7</b> (02/07/2023@1300)	<b>HITH 4278 -48 ABAR 4745 1 ABBR 4864 +1 ABCR 5059 -1 ABDR 5262 -1 HNIF 5989 0 TQMN 6232 -1 DHRM 6626 -2 LFDR 6934 -2 HURN 7616 -1 MRRT 8014 +3 MNJR 8283 -6 JILH 9122 -2 JLDM 9528 -6 BJDM 9699 -4</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>9745</b>					<b>13 3/8</b>	<b>4378</b>	<b>4378</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
01.0	0500 - 0600	0-1	12	N	DRLG	BR	STRG	RIG	9745	9745	5100	4860	BACK REAM OOH 12" MOTOR BHA. >SOFT B/R 5100' - 4860'.			
00.8	0600 - 0645	0-1	12	N	DRLG	TO	STDP	RIG	9745	9745	4860	4378	POOH WET ON ELEVATOR TO 13 3/8" CASING SHOE.			
00.8	0645 - 0730	0-1	12	N	DRLG	CIRC	MPMP	RIG	9745	9745			FLOW CHECK - WELL STATIC. PUMP SLUG.			
01.5	0730 - 0900	0-1	12	N	DRLG	TO	STDP	RIG	9745	9745	4378	1600	POH TO 5 STANDS PRIOR TO BHA.			
00.2	0900 - 0915	0-1	12	N	DRLG	CIRC	MPMP	RIG	9745	9745			FLOW CHECK - WELL STATIC.			
00.5	0915 - 0945	0-1	12	N	DRLG	CIRC	MPMP	RIG	9745	9745			POH TO 1 STAND PRIOR TO BHA - FLOW CHECK. WELL STATIC.			
03.2	0945 - 1300	0-1	12	N	DRLG	HT	BHA	SDM	9745	9745	1160	0	POH & L/D 12" MOTOR BHA.			
02.8	1300 - 1545	0-1	12	N	CT	HT	BHA	RIG	9745	9745	0	1130	MU 12" ROTARY BHA WITH RR PDC SK616M-3D BIT & RIH.			
02.0	1545 - 1745	0-1	12	N	CT	TI	STDP	RIG	9745	9745	1130	4378	RIH TO 13 3/8" CSG SHOE - FILL STRING EVERY 20 STANDS.			
00.2	1745 - 1800	0-1	12	N	CT	CIRC	MPMP	RIG	9745	9745			FILL PIPE & BREAK CIRCULATION PRIOR TO RENTERING OH.			
05.5	1800 - 2330	0-1	12	N	CT	TI	STDP	RIG	9745	9745	4378	9745	RIH TO BOTTOM - FILL STRING EVERY 20 STANDS. > HOLE IN GOOD CONDITION. > WASH DOWN LAST STD.			
02.2	2330 - 0145	0-1	12	N	CT	CIRC	MPMP	RIG	9745	9745			PUMP HI-VIS SWEEPS & CHC, CONDITIONED MWT IN/OUT 87 PCF.			
00.8	0145 - 0230	0-1	12	N	CT	CIRC	MPMP	RIG	9745	9745			SPOT 600 BBLS CASING GO PILL @ 90 PCF ON BOTTOM.			
00.5	0230 - 0300	0-1	12	N	CT	CIRC	MPMP	RIG	9745	9745			FLOW CHECK - WELL STATIC			
00.5	0300 - 0330	0-1	12	N	CT	TO	STDP	RIG	9745	9745	9745	9255	POH 5 STANDS 'WET'.			
00.5	0330 - 0400	0-1	12	N	CT	CIRC	MPMP	RIG	9745	9745			FLOW CHECK - WELL STATIC.			
01.0	0400 - 0500	0-1	12	N	CT	TO	STDP	RIG	9745	9745	9255	8200	POH WET TO SHOE ... ON GOING AT REPORT TIME.			

#### JOURNEY MANAGEMENT:

CALL SP-261 RIG MANAGER OFFICE AT 013-805-0833 OR ARAMCO OFFICE AT 013-572-6445 PRIOR TO TURNING OFF MAIN BLACKTOP ROAD.  
 PROVIDE RIG OFFICE- NAME OF COMPANY, NUMBER OF PERSONNEL, COLOR OF VEHICLE AND EMERGENCY CONTACT NUMBER OF BASE PERSONNEL. NIGHT DRIVING IS NOT RECOMMENDED.

=====

9-5/8" CP = +/- 9745'

7" LINER CP = +/- 12,740'

KOP = +/- 12,798'

EOB = +/- 14,236'

TD = +/- 19,111'

> ARAMCO CLERK BIJU T JAYANTHI # 8556029 ON LOCATION FROM 08/13/2022.  
 > ARAMCO FCT HASSAN ALESSA BADGE # 291237 ON LOCATION SINCE 02/01/23

>NEAR MISS: 4483781, 4483830, 4483850.  
 >DRILLS: 1 X TRIP

## LITHOLOGY :

MAX GAS: N/A

Remarks

DRILLING ENGINEERS ON LOCATION TO WITNESS 9 5/8" CASING &amp; 2 STG CMT JOB.

&gt;DE ZIYAD ALZAHRANI #768757 ON LOCATION FROM 02/26/2023

&gt;DE ALBARAA ALSAGGAFAF # 775629 ON LOCATION FROM 02/26/2023.

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS	
MUD DATA	Weight 86 PCF	Funnel Vis. 50 SEC	Filtrate(WL) 9.2 HTHP	Filtrate (WL) API	PV 28	YP 27	Electrical Stability 0 Volts	3/6 RPM 8 / 9	Gels Sec/Min 9 / 12	PH 9.5	CA PPM 260	CL PPM 137000				
	FL Temp 120	Cake HTHP 2	Cake API 1	Water Vol.% 77	Oil Vol.% 5	Solids Vol.% 18	Sand Vol.% 0.1	% LGS 5.24	MBT 7	Mud type NCPOL	Water Well # MZLJ-809, MZLJ-810					
	Weight 90 PCF	Funnel Vis. 62 SEC	Filtrate(WL) 6 HTHP	Filtrate (WL) API	PV 32	YP 40	Electrical Stability 0 Volts	3/6 RPM 10 / 12	Gels Sec/Min 10 / 14	PH 9.7	CA PPM 260	CL PPM 137000				
	FL Temp 120	Cake HTHP 2	Cake API 1	Water Vol.% 75	Oil Vol.% 5	Solids Vol.% 20	Sand Vol.% 0.1	% LGS 4.89	MBT 5	Mud type NCPOL	Water Well # MZLJ-809, MZLJ-810					
	Weight 87 PCF	Funnel Vis. 50 SEC	Filtrate(WL) 8.8 HTHP	Filtrate (WL) API	PV 29	YP 27	Electrical Stability 0 Volts	3/6 RPM 9 / 9	Gels Sec/Min 9 / 12	PH 9.5	CA PPM 260	CL PPM 137000				
	FL Temp 0	Cake HTHP 2	Cake API 1	Water Vol.% 77	Oil Vol.% 5	Solids Vol.% 18	Sand Vol.% 0.1	% LGS 4.74	MBT 7	Mud type NCPOL	Water Well # MZLJ-809, MZLJ-810					
MUD TREATMENT	BARITE 6(5000L)	SLTX 62(50LB)	SODASH 3(100LB)	FLO-TROL 31(50LB)	MAX-GUARD 10(55GL)	ECCO-TEMP 6(100LB)										
BIT DATA																
DRILL STRING	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit			REED		1	12		1.04	6-5/8" REG	6-5/8" REG				S289026
	2	Bit Sub			RIG			8.25	2.8	2.39	6-5/8" REG	6-5/8" REG				191101
	3	Stabilizer			SDM	11.875	1	8	2.875	5.22	6-5/8" REG	6-5/8" REG				5631
	4	Drillcollar			RIG	8.625	1	8.5	2.812	30.35	6-5/8" REG	6-5/8" REG				26101
	5	Stabilizer			SDM	11.875	1	8	2.813	4.79	6-5/8" REG	6-5/8" REG				5632
	6	Drillcollar			RIG	8.625	10	8	2.875	299.3	6-5/8" REG	6-5/8" REG				FILE
	7	Hydro-Mechanical Jar			NOJ	8	1	8	2.812	31.53	6-5/8" REG	6-5/8" REG				336-80048
	8	Drillcollar			RIG	8.625	3	8.5	2.812	90.08	6-5/8" REG	6-5/8" REG				FILE
	9	Crossover			RIG	8.5	1	8.375	2.812	2.62	6-5/8" FH	6-5/8" REG				FILE
	10	Heavy Weight Drillpipe (HWDP)			RIG	8.5	6	6.625	4.5	182.35	6-5/8" FH	6-5/8" FH				FILE
	11	Crossover			RIG	6.562	1	6.625	2.75	3.06	XT-54	6-5/8" FH				FILE
	12	Heavy Weight Drillpipe (HWDP)			RIG	6.625	15	5.5	3.25	460.34	XT-54	XT-54				FILE
	13	Drillpipe			RIG	5.5	1	5.5	3.25	30.2	XT-54	XT-54				FILE
Miscellaneous	BOP Test 02/21/2023		BOP Drills		Wind		Sea		Weather SEASONAL		DSLTA		Safety Meeting 2 X DAILY			
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs		10.99/24 hrs		
	COMPANY		RTC	ITS	TGC	SDM	RIG	BDF	BAR	HMS	RIG	ARM	SJC	ARM	CAM	

Personnel and Services Information	CATEGORY		BITS	CSR	CTR G	DPDS	RIG	DFMS	DFMS	MLS	OTHR	OTHR	PCS	WSC	WHES	Total <b>122</b>
	NO. OF PERSONS		2	5	16	4	64	2	9	4	7	2	4	2	1	
	OPERATING HRS.		0	0	0	6	24	12	0	12	12	12	0	24	0	
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24	18	
	Trucks/Boats	Standby/Tankers	<b>ARAMCO PICK-UP AB-8990 4 X AL-JINAH VACCUM TANKERS</b>													
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>380</b>	Barite- SX <b>450</b>	Bentonite - SX <b>99</b>	Cement G- SX <b>4200</b>										Reporter
REPAIR ASAP	Instrumentation		Other Computer, Communication & V-Sat Issues													

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D&WO Morning Report (Service Providers View)  
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Daily Onshore  
(0500-0500) Saudi Aramco

Date <b>MONDAY</b> <b>02/27/2023</b>	Well No (Type) : <b>HMYM-432704</b> <b>(DRILLING WELL AS GAS-UNCONVENTIONAL/DEVELE)</b> Charge #: <b>(87- 21710- 7492)</b> Wellbores: (0) HMYM_432704_0	Rig <b>SP-262</b>	Foreman(s) <b>SOULLI, ABDELGHANI/IDER, RABAH/HASSAN, EMAD ABDELMONEIM/ALGHAMDI, SAEED MOHAMMAD/DKANE, AWAD ALI</b>
		Engineer Superintendent	THURAYA <b>8821677712137</b> <b>572-5393</b>
		RIG FORMAN VSAT	OTHER VSAT <b>572-6297</b> <b>572-5731</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops		
<b>0</b>	<b>RIG UP ON HMYM-432704.</b>		<b>HALF MOON BAY TO UGAIR ROAD, LEFT 5 KM TO SKID RD, LEFT 11 KM SKID RD TO RIG</b>	<b>0.0 (@)</b>			
Prev. Depth <b>0</b>	Liner Size	TOL	MD TVD	Last Csg Size	MD TVD	Footage <b>0</b>	Circ %

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
24.0	0500 - 0500	0		N	MAIN	RU	NA	RIG	0	0			<p><b>HPJSM WITH ALL CREW MEMBERS INVOLVED ON RIG UP OPERATION.</b></p> <p><b>PERFORMED SCHEDULED CAT III &amp; CAT IV RIG MAINTENANCE. NIGHT DAY:</b></p> <ul style="list-style-type: none"> <li>&gt; RIG UP AT HMYM-432704 - ONGOING-</li> <li>&gt; COMPLETE PICK UP DP, HWDP AND DC.</li> <li>&gt; FINISHED MIXING SPUD MUD, HIGH VIS AND BIT BALLING.</li> <li>&gt; SLIP DRILLING LINE</li> <li>&gt; MAST ALIGNMENT</li> <li>&gt; PUT ANCHOR FOR FLARE LINE AND VENT LINE.</li> <li>&gt; CONNECT CELLAR PUMP HOSE.</li> <li>&gt; P/UP &amp; M/ UP 22" BHA.</li> <li>&gt; WORKING ON HSE OPEN ITEMS -ONGOING -</li>   <li>&gt; RD= 100%.</li> <li>&gt; RM=100%.</li> <li>&gt; RU=90%.</li> </ul>

HMYM-432704 IS THE 1ST SLOT BE DRILLED ON HMYM-4327 PAD. THIS WELL WILL BE DRILLED AS A SINGLE LATERAL UNCONVENTIONAL GAS WELL TARGETING LOWER TUWAIQ MOUNTAIN TIGHT RESERVOIR. THE WELL TD IS AT 18,365 FT (MD) / 10,121 FT (TVD) WITH +/- 7,300 FT HORIZONTAL LATERAL @ 347 DEGREE AZIMUTH. THE WELL WILL BE COMPLETED WITH 5-1/2", 26 PPF, LONG STRING COMPLETION.

## JOURNEY MANAGEMENT:

CALL SP-262 RIG MANAGER OFFICE AT 013-805-2398 OR ARAMCO OFFICE AT 013-572-5393 PRIOR TO TURNING OFF MAIN BLACKTOP ROAD. PROVIDE RIG OFFICE- NAME OF COMPANY, NUMBER OF PERSONNEL, COLOR OF VEHICLE AND EMERGENCY CONTACT NUMBER OF BASE PERSONNEL. NIGHT DRIVING IS NOT RECOMMENDED.

>ARAMCO MATERIAL EXPEDITOR KHALED MAJED ALKHALDI # 8554418 ON LOCATION SINCE 02/12/2023

>ARAMCO PPP MOHAMMED FAISAL AL FAQEER # 786276 ON LOCATION SINCE 02/14/2023

>ARAMCO HSE ADVISOR ZULFIQAR ALI # 8069065 ON LOCATION SINCE 02/21/2023.

>ARAMCO HSE ADVISOR AHMED RAGAB # 8085478 ON LOCATION SINCE 02/21/2023.

>DIESEL CONSUMPTION FOR ENGINES (BIG+CAMP): DAILY 35 BBL TOTAL 106 BBL FOR HMYM-432704

#### >DRILLS: NONE.

>1 X WATER SPRAYER TANKER.

>3X VACUUM TANKERS AL AJINAH COMPANY PLATE N# 3653-BRA & N# 1158-TRA & N# 1197-TRA ON LOCATION SINCE 2/15/2023. (DRSS#1003825632)

>2X VACUUM TANKERS AL AJINAH COMPANY PLATE N# 1147-TRA & N# 1167-TRA ON LOCATION SINCE 1/30/2023. (DRSS#1003825632)

>1X VACUUM TANKERS AL AJINAH COMPANY PLATE N# 3652-BRA ON LOCATION SINCE 1/31/2023. (DRSS#1003825632)

>1X VACUUM TANKERS AL AJINAH COMPANY PLATE N# 1219-TRA ON LOCATION SINCE 2/22/2023. (DRSS#1003825632)

>NEXT CASING POINT: 18-5/8" @±-603'.

## Remarks

Personnel and Services Information	COMPANY	SPR	CDS	GOS	RIG	BAR	SNS	RIG	ARM	BSC	OTH	ARM
	CATEGORY	CSR	DPDS	CTRG	RIG	DFMS	H2S	OTHR	OTHR	SCS	VAC	WSC
	NO. OF PERSONS	4	4	15	63	2	2	15	4	9	1	3
	OPERATING HRS.	12	12	0	24	24	12	12	12	12	12	24
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24
	Trucks/Boats	Standby/Tankers <b>ARAMCO PICK UP DH-7505</b>										
BULK	Drill Wtr.-BBLS <b>1000</b>	Pot Wtr.- BBLS <b>500</b>	Fuel- BBLS <b>320</b>	Barite- SX	Bentonite - SX	Cement G- SX <b>4050</b>						
REPAIR ASAP	Instrumentation	Other										Reporter
	Computer, Communication & V-Sat Issues											

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Total  
**122**

D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HRMN-801 (WATER SUPPLY)</b> Charge <b>(63- 22867-#: 0801)</b> Wellbores: (0) HRMN_801_0	Rig <b>SP- 276</b>	Foreman(s) <b>SUBAIE, FALEH MOHAMMED/ IBRAHIM, IBRAHIM IBRAHIM/ ALHELAL, AHMAD TWFIQ/ ALKHALDI, MOHAMMED ZAID/</b> Superintendent <b>SARRANI, HASSAN FAHAD</b>		
		THURAYA <b>+882 1677712871</b>	RIG FORMAN VSAT <b>577-3562</b>	OTHER VSAT <b>577-3557</b>	CONTRACTOR/CLERK VSAT <b>577-3587</b>

Depth <b>1196</b>	Last 24 hr operations <b>DRILL 22" HOLE SECTION</b>	Next 24 hr plan <b>CON'T DRILL 22" HOLE SECTION TO CP, CHC, WIPER TRIP, CHC, POOH &amp; L/D BHA, RUN 18-5/8" CSG,CHC.</b>	Location <b>402 KM FROM DMG, HRDH-KHR ROAD, 57 KM SKID ROAD (FOLLOW SIGN BOARDS)</b>	Days Since Spud/Comm (Date) <b>9.0 (02/18/2023@0459)</b>	Formation tops <b>BUWB 210 70 FT SHALLOWER SULY 470 70 FT SHALLOWER</b>									
Prev. Depth <b>1066</b>	Liner Size	TOL	MD	TVD	Last Csg Size <b>24</b>	MD <b>119</b>	TVD <b>119</b>	Footage <b>130</b>	Circ % <b>100</b>					
Hrs <b>24.0</b>	(From - To) <b>0500 - 0500</b>	Lateral <b>0</b>	Hole size <b>22</b>	Cat. <b>N</b>	Major OP <b>DRLG</b>	Action <b>D</b>	Object <b>KELLY</b>	Resp. Co <b>RIG</b>	Hole depth Start <b>1066</b>	Event depth End <b>1196</b>			Summary of Operations	
														<b>ROTARY DRILL 22" HOLE SECTION WITH 65 PCF INHIBITED PHPA MUD W/100% CIRC. - PUMP TWICE 25 BBLS HVP EACH JOINT. - WASH UP / REAM DOWN 2 TIMES PRIOR TO CONNECTION. - HARD FORMATION</b>

#### OBJECTIVE:

HRMN-801 WILL BE USED AS DRILLING WATER SUPPLY WELL SUPPORTING EXPLORATORY CONVENTIONAL WELL HRMN-1  
 THE WELL PLANNED TO BE COMPLETED WITH +/- 970 FT OF 7" PRE-PERFORATED LINER SPACED ACROSS THE BEST MNJR AQUIFER SANDS AT TOTAL DEPTH OF 5650 FT BGL.

#### - NEXT LOCATION:

\* WELL NAME: DUAB-801

\* REQUEST DATE: 7/22/2022

\* LOCATION READINESS: NEED TO VISIT.

#### WELL DESIGN:-

- 24" CSG (28" HOLE SECTION ) @ 120' RKB. SET @ 119' RKB.

- 18-5/8" CSG (22" HOLE SECTION) @ 1250' RKB (+/- 40 INTO HITH)

- 13-3/8" CSG (17" HOLE SECTION) @ 2590' RKB(+/- 20 FT INTO HNIF)

- 9-5/8" LINER (12.25" HOLE SECTION) @ 4700' RKB (+/- 15 FT INTO MNJR).

- THE WELL PLANNED TO BE COMPLETED WITH +/- 940 FT OF 7" PRE-PERFORATED LINER SPACED ACROSS THE BEST MNJR AQUIFER SANDS AT TOTAL DEPTH OF 5670FT RKB.

#### - ELEVATION FROM RIG FLOOR TO GROUND LEVEL: 20 FT.

- ARAMCOLINK DATA TRANSMISSION SERVICE WILL BE USED FOR THIS WELL TO PICK UP CSG POINTS AND FORMATION TOPS BY RCC TEAM

- CUSTOMIZE MUD LOGGING SERVICES IS REQUIRED IN THIS WELL FROM SURFACE TO TD.

- RUN ZDL/CN/GR, AND RESISTIVITY LOGS.

- ACIDIZATION:15% HCL ACID MIGHT BE NEEDED FOR STIMULATION IF THE WELL DIDN'T PRODUCE.

RIG LOCATION: TAKE HARADH ROAD, THEN TAKE RIGHT TO AL-KHARAJ ROAD ABOUT 150KM, TAKE LEFT TO BLACKTOP ABOUT 6KM TAKE LEFT AGAIN TO 91KM TO HRMN-801 (57 KM SKID ROAD, FOLLOW RIG SIGN BOARD)

#### NEAREST HOSPITAL FOR EMERGENCY AND CONTACT:

- AL-KHARAJ GENERAL HOSPITAL (60KM) PH-011-5444-444.

#### SAFETY TOPICS:

1.DISCUSSED ABOUT THE NORMAL DRILLING OPERATIONS.

2.DISCUSSED MONITORING THE ACTIVE TANK AND SHALE SHAKER PARAMETERS IF ANY ABNORMAL BEHAVIOR REPORT IMMEDIATELY.

3.SHARED EXT ALERT 21-22 GRINDINGS SPARKS LEAD TO FIRE

4.SHARED NEAR MISS REPORT INCIDENT ID: 4476233

5.SHARED PPT ABOUT ELECTRICAL FIRE PREVENTION LESSON LEARNED.

#### SAFETY DRILL- NONE

- CONDUCTED A DAILY COMMUNICATION CHECK WITH DAHRAN DRILLING ECC BY PHONE @ 07:00 AM (NO SIGNAL).

#### RENTAL TOOLS:

-OIL SERVE 12" SHOCK SUB SN: ST1200-0067 ON 2/15/2023@11:00.

-1ST P/U ON 2/18/2023 @ 7:00 AM. L/D ON 2/19/2023 @ 4:00 AM.

-2ND P/U ON 2/20/2023 @ 1:00 AM.

-OIL SERVE 9.5" DRILLING JAR SN: HMJ-950-0023 ON 2/18/2023@12:00.

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ARAMICO:

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SERVICE COMPANY:

-OES MUD ENGINEER ON LOCATION 2/11/2023.

-SANJEL CREW AND CMNT UNIT ARRIVED ON THE LOCATION ON 2/16/2023@16:00. RELEASED ON 2/19/2023 @ 9:00 AM.

-SANJEL CREW AND CMNT UNIT ARRIVED ON THE LOCATION ON 2/26/2023@10:00.

-HALLIBURTON MUDLOGGING UNIT AND CREW ON LOCATIONON 2/16/2023.

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- SINOPEC TANKERS, HEAVY EQUIPMENT & VEHICLES ON LOCATION:

- 1 SWEET WATER TANKERS

- 8 RAW WATER TANKERS

- 1 SINOPEC 4X4 AMBULANCE CAR.

- 1 SINOPEC PICK-UP CAR.

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WASTE MANAGEMENT KPI:

- DRILLING WASTE CUTTINGS: DAILY= 12 M3/ TOTAL= 89 M3.

- DRILLING WASTE FLUIDS: DAILY= 0 M3 / TOTAL= 120 M3.

- REUSED WATER: DAILY=216 M3/ TOTAL = 1511 M3.

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WATER SOURCE: SINOPEC RAW WATER TANKERS

- WATER SOURCE SRYN-821 (STRAIGHT DISTANCE 40 KM, ACTUAL DISTANCE IS 65 KM)

-DAILY: NUMBER OF TRIPS: 04 TRIPS, TOTAL = 50 TRIPS.

- DAILY: KM= 320 KM, TOTAL =4000 KM.

-DAILY VOLUME: 33,813-GAL, TOTAL = 422,672-GALLONS

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Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec		DLS
MUD DATA	Weight <b>66</b> PCF	Funnel Vis. <b>66</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>14</b>	YP <b>21</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>8 / 10</b>	Gels Sec/Min <b>12 / 14</b>	PH <b>9</b>	CA PPM <b>320</b>	CL PPM <b>2800</b>					
	FL Temp <b>110</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>95</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>5</b>	Sand Vol. % <b>0</b>	% LGS	MBT	Mud type <b>WBM</b>	Water Well # <b>SRYN-801</b>						
	Weight <b>65</b> PCF	Funnel Vis. <b>65</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>12</b>	YP <b>23</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>10 / 13</b>	Gels Sec/Min <b>13 / 15</b>	PH <b>10</b>	CA PPM <b>280</b>	CL PPM <b>2800</b>					
	FL Temp <b>110</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>96</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>4</b>	Sand Vol. % <b>0</b>	% LGS	MBT	Mud type <b>WBM</b>	Water Well # <b>SRYN-801</b>						
MUD TREATMENT	POLY-SAL <b>80</b> (25KG)	CAUST <b>50</b> (55GL)	DUOVIS-NS <b>10</b> (25KG)	MRBL-M <b>4</b> (2200L)	DFMR <b>2</b> (55GL)	BENT <b>3</b> (2500L)	SODASH <b>4</b> (50KG)										
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out						
	<b>2</b>	<b>425</b>	<b>22</b>	REED	T284796	TH42A / 3 X 18 / 1 X 16 / 0.942	<b>119</b>	<b>119</b>	<b>1196</b>								
DRILL STRING	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP	
											<b>385</b>	<b>430</b>	<b>147</b>	<b>22.96</b>	<b>25.34</b>	<b>42</b>	
	Float	<b>Y</b>															
	BHA Hrs:	<b>119</b>															
	String Wt.	Pick Up	Slack Off		Rot. Torque		Jars:	/	Shock	/	Mud						
	<b>100</b>	<b>102</b>	<b>98</b>		<b>1100</b>		Serial #/Hrs	/	Sub:	/	Motor:						
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #	
	<b>1</b>	Bit			REED	<b>22</b>				<b>1.87</b>	<b>7 5/8"reg</b>					<b>T284796</b>	
	<b>2</b>	Near Bit Roller Reamer			RIG	<b>22</b>	<b>1</b>	<b>22</b>	<b>3</b>	<b>7.25</b>	<b>7 5/8"reg</b>						
	<b>3</b>	Shock Sub			OJR	<b>12</b>	<b>1</b>	<b>12</b>	<b>3</b>	<b>10.46</b>	<b>7 5/8"reg</b>					<b>ST12000067</b>	
	<b>4</b>	Drillcollar			RIG	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>30.09</b>	<b>7 5/8"reg</b>						
	<b>5</b>	String Reamer			RIG	<b>22</b>	<b>1</b>	<b>22</b>	<b>3</b>	<b>7.53</b>	<b>7 5/8"reg</b>						
	<b>6</b>	Drillcollar			RIG	<b>9.5</b>	<b>2</b>	<b>9.5</b>	<b>3</b>	<b>59.67</b>	<b>7 5/8"reg</b>						
	<b>7</b>	Crossover			RIG	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>2.04</b>	<b>7 5/8"reg</b>	<b>6 5/8"reg</b>					
	<b>8</b>	Drillcollar			RIG	<b>8.25</b>	<b>8</b>	<b>8.25</b>	<b>2.875</b>	<b>241.53</b>	<b>6 5/8"reg</b>						
	<b>9</b>	Hydro-Mechanical Jar			OJR	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>28.48</b>	<b>6-5/8" reg</b>	<b>6-5/8" reg</b>				<b>HMJ8500023</b>	
	<b>10</b>	Drillcollar			RIG	<b>8.25</b>	<b>2</b>	<b>8.25</b>	<b>2.875</b>	<b>60.07</b>	<b>6-5/8" reg</b>	<b>6-5/8" reg</b>					
	<b>11</b>	Crossover			RIG	<b>8.25</b>	<b>1</b>	<b>8.25</b>	<b>2.875</b>	<b>2.47</b>	<b>6 5/8"reg</b>	<b>4 1/2"IF</b>					
	<b>12</b>	Heavy Weight Drillpipe (HWDP)			RIG	<b>5</b>	<b>6</b>	<b>5</b>	<b>3</b>	<b>181.09</b>	<b>4 1/2"IF</b>						

	13	Drillpipe	RIG	5	1	5	4.276	30.33	4 1/2"IF			
Miscellaneous	BOP Test <b>02/19/2023</b>	BOP Drills	Wind <b>CALM</b>	Sea	Weather <b>COLD</b>	DSLTA	Safety Meeting <b>PRE-TOUR MEETING</b>					
	Real-Time Data Quality	Sensors Quality	90%	Data Frequency	91%	Real-Time Hrs	10.31/24 hrs					
Personnel and Services Information	COMPANY	SJC	GOS	RIG	OES	HMS	RIG	ARM				Total <b>87</b>
	CATEGORY	PCS	CTR G	RIG	DFMS	MLS	OTHR	WSC				
	NO. OF PERSONS	3	13	57	1	2	9	2				
	OPERATING HRS.	0	0	12	12	12	12	12				
	ON LOCATION HRS.	19	24	24	24	24	24	24				
Trucks/Boats	Standby/Tankers <b>AB-5441</b>	8 RAW WATER TRUCKS	1 SWEET WATER TRUCK	AMBULANCE CAR	1 SINOPEC PICK-UP CAR							
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>147</b>	Barite- SX	Bentonite - SX	Cement G- SX						
REPAIR ASAP	Instrumentation	Other										Reporter
	Computer, Communication & V-Sat Issues											

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>MNIF-248 (SINGLE HORIZONTAL OIL PRODUCER TARGETING LRTR)</b>	Rig <b>SP- 306</b>	Foreman(s) <b>ARANDIA TERAN, PABLO HECTOR/ SANDOIU, GHEORGHE FLORIN/ SHAHIN, MOHAMED ELSAYED/ ZAKI, MOHAMMED JAFER/ ALALOW, ALI ABDALGHANI/ GARNI, ABDULLAH SALEH</b>
Charge #: <b>(66- 22026- 0248)</b>	Wellbores: (0) MNIF_248_0	Engineer <b>THURAYA 8821677712558</b>	Superintendent <b>RIG FORMAN VSAT 378-6049</b>
		OTHER VSAT <b>378-6047</b>	CONTRACTOR/CLERK VSAT <b>378-6048</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>0</b>	<b>RIG MOVE &amp; R/UP ON MNIF-248</b>	<b>CONTINUE RIG MOVE &amp; R/UP ON MNIF-248</b>	<b>MANIFA CAUSEWAY, DS-15</b>	<b>0.0 (@)</b>	
Prev. Depth <b>0</b>	Liner Size	TOL MD TVD	Last Csg Size MD TVD	Footage <b>0</b>	Circ %

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
<b>06.8</b>	<b>0500 - 1145</b>	<b>0</b>		<b>N</b>	<b>RM</b>	<b>RU</b>	<b>NA</b>	<b>RIG</b>	<b>0</b>	<b>0</b>			<b>HOLD PRE-JOB SAFETY MEETING WITH RIG CREW AND RIG MOVE TEAM, DISCUSSED RIG MOVE PLAN, JSA'S, PTW AND LIFTING PLANS. HIGHLIGHTED RIG MOVE HAZARDS &amp; STOP WORK AUTHORITY. LIFE LINE IS RIGGED UP.</b>
													<b>R/D ON MNIF-249, RIG MOVE &amp; R/U ON MNIF-248</b>
													<b>- ASSEMBLE MAST SECTIONS (ONGOING). - CONNECT SCR CABLE SYSTEM.</b>
													<b>- CHECKED ALL RIG MOVE EQUIPMENT AND PERSONNEL CERTIFICATIONS</b>
													<b>- RIG RELEASED FROM MNIF-249 AT 16:00 ON 02/22/2023</b>
<b>00.5</b>	<b>1145 - 1215</b>	<b>0</b>		<b>N</b>	<b>RM</b>	<b>PJSM</b>	<b>NA</b>	<b>RIG</b>	<b>0</b>	<b>0</b>			<b>HELD STAND DOWN MEETING WITH ALL CREWS, DISCUSSED DAILY SAFETY OBSERVATIONS, CURRENT OPERATION RELATED RISKS &amp; SWA.</b>
<b>11.5</b>	<b>1215 - 2345</b>	<b>0</b>		<b>N</b>	<b>RM</b>	<b>RU</b>	<b>NA</b>	<b>RIG</b>	<b>0</b>	<b>0</b>			<b>CONTINUE R/U ON MNIF-248</b>
													<b>- COMPLETE ASSEMBLING MAST SECTIONS. - R/U DOG HOUSE &amp; DRILLER CABIN. - R/U A FRAME &amp; RAISING LINES. - R/U SURFACE HP LINES. - R/U POOR BOY DEGASER. - R/U CHOKE MANIFOLD. - GENERAL R/U ON MUD SYSTEM.</b>
<b>00.5</b>	<b>2345 - 0015</b>	<b>0</b>		<b>N</b>	<b>RM</b>	<b>PJSM</b>	<b>NA</b>	<b>RIG</b>	<b>0</b>	<b>0</b>			<b>HELD STAND DOWN MEETING WITH ALL CREWS. - DISCUSSED PREVIOUS MOVE OPERATIONS. - HIGHLIGHTED HAZARDS WHEN WORKING AT HEIGHT. - INSTRUCTED TO TAKE DISCIPLINARY ACTION AGAINST ANY VIOLATION. - REMINDED CREW ABOUT THE PREVIOUS INCIDENT ON SP-110 REGARDING FALL PROTECTION VIOLATION. - DISCUSSED TO KEEP RIG CLEAN AND IMPROVE HOUSEKEEPING.</b>
<b>04.8</b>	<b>0015 - 0500</b>	<b>0</b>		<b>N</b>	<b>RM</b>	<b>RU</b>	<b>NA</b>	<b>RIG</b>	<b>0</b>	<b>0</b>			<b>GENERAL RIG UP /HOUSE KEEPING ON MNIF- 248....ONGOING.</b>
													<b>-R/D: 95% RIG MOVE: 95% R/U: 65%</b>

**\*\* MNIF-248 WILL BE DRILLED AS A SINGLE LATERAL HORIZONTAL OIL PRODUCER TARGETING LRTR RESERVOIR TO TOTAL DEPTH 14,495'  
MD / 7,947' TVD & COMPLETED WITH ESP UPPER COMPLETION.**

#### -----SAFETY-----

**\*\* SIMOPS IS PLANNED FOR DS-15**

**\*\* MNIF-240, 241, 242, 244, 245, 246 & 249 ARE SHUT IN, ALL WELL HEADS, HEADER LINES & PROD FLOW LINES ARE BARRICADED WITH CONCRETE BLOCKS.**

**\*\* 4 EA RAWABI H2S/LEL REMOTE SENSORS ARE RIGGED UP.**

**\*\* EMERGENCY BUS, AMBULANCE ON LOCATION. ESCAPE ROUTE TO MANIFA STAGING AREA#4.**

**ARAMCO PERSONNEL / RENTAL TOOLS / OTHERS**

**\*\* MATERIAL EXPEDITOR MESFER AL-SHMRANI (ID #8411032) ON LOCATION.**

**\*\* HSE TECHNICIAN YOUSEF ELAWAD (ID #778128) ON LOCATION.**

**\*\* ENGINES DIESEL CONSUMPTION FOR WELL MNIF-248 (RIG+CAMP): DAILY: 12 BBL / TOTAL: 52 BBL.**

**REMARKS**

**Remarks**

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
<b>MUD DATA</b>									
MUD TREATMENT									
BIT DATA									
DRILL STRING									
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #									
Miscellaneous	BOP Test	BOP Drills		Wind	Sea	Weather	DSLTA	Safety Meeting	<b>TWICE DAILY</b>
	Real-Time Data Quality						<b>No Transmission</b>		
Personnel and Services Information	COMPANY	BC1	RIG	OES	SMI	RUE	ARM	ARM	
	CATEGORY	BRCR	RIG	DFMS	DFMS	H2S	OTHR	WSC	
	NO. OF PERSONS	1	100	1	1	1	3	3	Total <b>110</b>
	OPERATING HRS.	0	24	12	24	24	12	12	
	ON LOCATION HRS.	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers	<b>P/UP CAR AB7365</b>							
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>463</b>	Barite- SX	Bentonite - SX	Cement G- SX			
REPAIR ASAP	Instrumentation	Other							Reporter
	Computer, Communication & V-Sat Issues								

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Date MONDAY 02/27/2023											Well No (Type) : <b>RBYN-102</b> <b>(PWI TARGETING SFNY AQUIFER)</b>				Rig STY-038	Foreman(s) Engineer Superintendent	<b>SCOTT, DANIEL THOMAS/ ALEIDHI, ABDULAZIZ ABDULRAHMAN/ QAHTANI, SALEM DULAIM</b>				
											Charge #: (66- 22062- 0102) Wellbores: (0) RBYN_102_0		THURAYA 8821677712827		RIG FORMAN VSAT 378-6332	RIG FORMAN VSAT 378-7538	OTHER VSAT 378-6323	CONTRACTOR/CLERK VSAT 378-6324			
Depth 6788	Last 24 hr operations ACTIVATE RHINO REAMER. DRILL 12-1/4" X 13-1.2 SLB RSS/MWD/UR/ECD. CHC ABOVE WARA, INCREASE MW. DRILL AHEAD				Next 24 hr plan DRILL DRILL 12-1/4" X 13-1.2 SLB RSS/MWD/UR/ECD BHA				Location RBYN-100/109 PF				Days Since Spud/Comm (Date) Formation tops		15.6 (02/23/2023@1500)						
Prev. Depth 5410															RUS 1493 TVD  1501 FT MD						
															UMER 1787 TVD  1807 FT MD						
															ARUM 3703 TVD  3903 FT MD						
															LAMS 4725 TVD  5062 FT MD						
															LHHR 4935 TVD  5304 FT MD (3FT DEEPER THAN PLAN)						
															RUML 5141 TVD  5559 FT MD (4FT DEEPER THAN PLAN)						
															AHMD 5248 TVD  5706 FT MD (1FT DEEPER THAN PLAN)						
															CPCK 5340 TVD  5845 FT MD (AS PER PLAN)						
															WARA 5485 TVD  6092 FT MD (1FT DEEPER THAN PLAN)						
															MDDD 5644 TVD  6525 FT MD (9FT DEEPER THAN PLAN)						

**\*CONFINED SPACE RESCUE DRILL DONE ON 25 JAN 2022**

**\*SEARCH AND RESCUE DRILL DONE ON 21 FEB 2023**

=====**RIG DATA**=====

\* RIG HEADING: 331

\* RIG POSITION: LATITUDE 28DEG 15.13 N / LONGITUDE 049DEG 06.39 E

\* AIR GAP = 36 FT

\* WATER DEPTH = 95 FT

\* BKB TO MSI (ELEVATION) = 111 FT

\* BKB TO SEABED = 206 FT

**\*\* NO ANCHORAGE RESTRICTION AT RBYN 100/109 BU**

NO ANCHORAGE RESTRICTION AT RBTN-100/109 FF.  
-----RENTAL TOOLS-----

**OIL SERV 8-1/2" HM | SN#: HM I-675-183**

U1SERV 9-1/2 HMJ SN#: HMJ-675-183

-----LC-50 MUD SAMPLE-----  
LC-50 WBM SENT ON PAWARI 28 ON 28/02/2023 M

**LC-50 WBM SENT ON RAWABI-28 ON 20/02/2023 MN#2400606196**

LC-50 OBM SENT ON POSH RADIANT ON 11/29/2022 MN#2400593007  
PERSONNEL

## **WAIT TIME**

\* WAIT-ON TIME SINCE JAN 1, 2022

\* WAIT ON WEATHER: DAILY 0 HRS / TOTAL 0 HRS

\* WAIT ON MARINE: DAILY 0 HRS / TOTAL 0 HRS

\* WAIT ON PRODUCING: DAILY 0 HRS / TOTAL 0 HRS

\* WAIT ON TOOL HOUSE: DAILY 0 HRS / TOTAL 0 HRS

\* WAIT ON TOOL HOUSE: DAILY 0 HRS / TOTAL 0 HRS

\* WAIT ON RIG MOVE: DAILY 0 HRS / TOTAL 0 HRS.

## Remarks

Lateral	Survey MD			Angle		Azimuth			CLength		TVD		N/S(-)Coordinate				E/W(-)Coordinate			Vertical Sec		DLS
MUD DATA	Weight 94 PCF	Funnel Vis. 69 SEC		Filtrate(WL) 1.6 HTHP		Filtrate (WL) API		PV 34		YP 23		Electrical Stability 0 Volts		3/6 RPM 13 / 14	Gels Sec/Min 17 / 25	PH 0	CA PPM 33000	CL PPM 246981				
	FL Temp 145	Cake HTHP 1		Cake API		Water Vol. % 20		Oil Vol. %		Solids Vol. % 59		Sand Vol. % 21		% LGS 4.46	MBT 0	Mud type RELIANT	Water Well #					
	Weight 90 PCF	Funnel Vis. 67 SEC		Filtrate(WL) 1.7 HTHP		Filtrate (WL) API		PV 30		YP 22		Electrical Stability 0 Volts		3/6 RPM 12 / 13	Gels Sec/Min 16 / 24	PH 0	CA PPM 33000	CL PPM 244160				
	FL Temp 139	Cake HTHP 1		Cake API		Water Vol. % 21		Oil Vol. %		Solids Vol. % 59		Sand Vol. % 20		% LGS 4.46	MBT 0	Mud type RELIANT	Water Well #					
MUD TREATMENT	STELSEALFN 24(50LB)	STELSL50 24(50LB)	ECOTROL-RD 24(50LB)	SUREWET 2(55GL)	SUREMUL 5(55GL)	VG-PL 5(50LB)	VG-SUP 5(50LB)	RETHK 1(55GL)	CACO3- 50 24(55LB)	CACO3- 25 64(55LB)	CACL2- 98 1(2200L)	MRBL-M 4(2200L)	CAOH2 30(55LB)	BARITE 616(100LB)	BFIBRE-SF 80(25LB)	SOLFLKF 80(50LB)	BAROFIBER 42(25LB)	SOLFLKM 80(50LB)	SOLFLKC 40(50LB)	MILLPLUG 40(50LB)	WELL-SEAL M 40(50LB)	WELL-SEAL C 40(50LB)
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out											
	5RR	S423	12.25	REED	S292871	TK66S1A / 9 X 13 / 1.167	5255	6633														
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP						
							3500	950	262	194.34	299.24	425										
DRILL STRING	Float	Y																				
	BHA Hrs:	28																				
	String Wt.	Pick Up	Slack Off			Rot. Torque																
	148	189		124			27															
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #						
	1	Bit			REED	12.25	1	12.25		1.04	6 5/8" REG		0			S292871						
	2	RSS			SDM	12.125	1	12.125	6.75	13.97	6 5/8" REG	6 5/8" REG	0			76201						
	3	Short Monel DC			SDM	9.9	1	9.9	2.813	5.52	6-5/8" FH	6-5/8" REG	0			71160						
	4	Flex Joint			SCT	8.25	1	8.25	5	8.75	6-5/8" FH	6-5/8" FH	0			43514						
	5	Saver Sub			SDM	8.4	1	8.4	4.25	1.15	6-5/8" FH	6-5/8" FH	0			3977-24-1						
	6	Measurement While Drilling (MWD)			SDM	8.41	1	8.41	5.9	25.25	6-5/8" FH	6-5/8" FH	0			G6311						
	7	Saver Sub			SDM	8.42	1	8.42	3	1.09	6 5/8" REG	6 5/8" FH	0			1/5/3379						
	8	Non Magnetic Drill Collar ( NMDC )			SDM	8.32	1	8.32	2.813	28.43	6 5/8" REG	6 5/8" REG	0			V-2080						
	9	Float Sub			SDM	8.25	1	8.25	2.813	2.6	6-5/8" REG	6-5/8" REG	0			340808						
	10	Filter Sub			SDM	8.6	1	8.6	3.5	7.49	6 5/8" REG	6 5/8" REG	0			800-1064						
	11	Stabilizer			SDM	12	1	12.125	2.94	6.05	6 5/8" REG	6 5/8" REG	0			SDT-8677						
	12	Drillcollar			RIG	8.5	1	8.5	2.813	30.95	6 5/8" REG	6 5/8" REG	0			24219						
	13	Under Reamer			SMT	11.63	1	11.63	3.25	21.36	6 5/8" REG	6 5/8" REG	0			10435728001						
	14	Drillcollar			RIG	8.5	1	8.5	2.81	31.1	6 5/8" REG	6 5/8" REG	0			24230						
	15	Stabilizer			SDM	12.125	1	12.125	2.813	6.27	6 5/8" REG	6 5/8" REG	0			SDT-8483						
	16	PBL (Multiple Activation By Pass)			SAM	8.25	1	8.25	1.5	9.25	6 5/8" REG	6 5/8" REG	0			HYD825BP92						
	17	Drillcollar			RIG	8.5	1	8.5	2.813	30.72	6 5/8" REG	6 5/8" REG	0			24227						

	18	Crossover	RIG	8.5	1	8.5	2.813	1.6	6 5/8" REG	XT-54	0		36187-44B	
	19	Heavy Weight Drillpipe (HWDP)	RIG	5.5	3	5.5	3.25	62.56	XT 54	XT 54	0			
	20	Hydraulic Jar	OJR	6.75	1	6.75	2.75	30.89	XT 54	XT 54	0		HMJ-675-183	
	21	Heavy Weight Drillpipe (HWDP)	RIG	5.5	12	5.5	3.25	466.2	XT 54	XT 54	0			
	22	Drillpipe	RIG	5.5	1	5.5	3.25	0	XT 54	XT 54	0			
Miscellaneous	BOP Test 02/24/2023	BOP Drills	Wind NE 6 - 10 KTS	Sea NE 1 FT	Weather CALM/CLEAR	DSLTA	Safety Meeting TOURLY							
	Real-Time Data Quality	Sensors Quality 94%	Data Frequency 99%	Real-Time Hrs 11.49/24 hrs										
Personnel and Services Information	COMPANY	SPR	GOS	WDV	SDM	SRT	RIG	OES	SMI	SJC	MI2	ARM	SAM	Total 84
	CATEGORY	CSR	CTRG	DV	DPDS	DRF	RIG	DFMS	DFMS	PCS	SCS	WSC	WBCS	
	NO. OF PERSONS	3	12	0	3	2	57	1	1	2	1	1	1	
	OPERATING HRS.	0	0	24	24	24	12	12	24	24	24	24	24	
	ON LOCATION HRS.	24	24	0	24	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers <b>HADI-22</b>													
BULK	Drill Wtr.-BBLS <b>3585</b>	Pot Wtr.- BBLS <b>1352</b>	Fuel- BBLS <b>579</b>	Barite- SX <b>3638</b>	Bentonite - SX	Cement G- SX <b>2439</b>								
REPAIR ASAP	Instrumentation Computer, Communication & V-Sat Issues	Other												Reporter

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D&WO Morning Report (Service Providers View)  
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Daily Onshore  
(0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>QTIF-278 (SINGLE LATERAL OIL PRODUCER ARAB-D WITH PILOT HOLE)</b>	Rig <b>T-101</b>	Foreman(s) <b>KUMAR SHARMA, SATENDRA/ BALAWI, MOHAMMED ALI/ ALSHAMMARI, MESHARI FARHAN/ ALTHOWIQEB, IBRAHIM ABDULLAH/ ELDEEB, TAREK ABD ALLA</b>
Engineer	Charge (66- 22012-#: <b>0278</b> )	Superintendent	<b>THURAYA RIG FORMAN VSAT +8821677711055 013-6785324 OTHER VSAT 013-6785399 013-6787361 CONTRACTOR/CLERK VSAT</b>
Wellbores: (0) QTIF_278_0			

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>11640</b>	<b>HALL RDT TLC COLLECT FM SAMPLES AS PER PROGRAM.</b>	<b>CONT. HALL RDT TLC COLLECT FM SAMPLES AS PER PROGRAM, POOH TLC BHA FOR CIRCULATE, RIH TLC BHA &amp; PER PROGRAM. CONT. HALL RDT TLC COLLECT FM SAMPLES AS PER PROGRAM.</b>	<b>QTIF-278, DS-NDP- 1. 62 KM FROM DHARAN MAIN GATE.</b>	<b>41.4 (01/16/2023@1800)</b>	<b>BYDH 5142 5028' TVD, 10' DEEPER BUWB 5597 5440' TVD, 2' DEEPER SULY 6208 5953'TVD, 4' DEEPER HITH 6993 6502' TVD, 8' DEEPER ARAB 7680 6870' TVD, 21 DEEPER ABAR 7716 6888'TVD, 24' DEEPER BAAR 7803 6931' TVD,34' DEEPER ABBR 7831 6945', 34' DEEPER BABR 7931 6995' TVD, 39' DEEPER. ABCR 8014 7036' TVD, 44' DEEPER. BACR 8279 7167' TVD, 45 DEEPER. BADR 8832 7442' TVD,34' DEEPER. HNFR 9520 7789' TVD,20' DEEPER BUHR 9732 7894' TVD,15' DEEPER. TQMN 10423 8240' TVD, 58' DEEPER UFDR 10604 8330' TVD LFDR 11070 8564' TVD BLFR 11479 8766' TVD, 4' SHALLOWER</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>11640</b>					<b>9 5/8</b>	<b>54525311</b>		<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
<b>05.0</b>	<b>0500 - 1000</b>	<b>0</b>	<b>8 1/2</b>	<b>E</b>	<b>LOG</b>	<b>LOG</b>	<b>WLT</b>	<b>HWP</b>	<b>11640</b>	<b>11640</b>	<b>11295</b>	<b>11295</b>	<b>HALL RDT TLC PERFORM &amp; COLLECT FM SAMPLES AS PER PROGRAM ACROSS LFDR FM AT 11,295' MD. - COLLECTED 1 SAMPLES OUT OF 26 SAMPLES. - TOTAL FLUID PUMPED IN ANNULUS: 2 BBLS. - MONITOR WELL THROUGH TRIP TANK- WELL STATIC.</b>
<b>01.5</b>	<b>1000 - 1130</b>	<b>0</b>	<b>8 1/2</b>	<b>E</b>	<b>LOG</b>	<b>TO</b>	<b>STDP</b>	<b>RIG</b>	<b>11640</b>	<b>11640</b>	<b>11105</b>	<b>11105</b>	<b>MOVE STRING UP/DN. POOH HALL RDT TLC FM SAMPLING LOGGING TOOL ASSY TO NEXT SAMPLING POINT ACROSS LFDR FM AT 11105' MD. - TRIP OUT W/ CONTROLLED 3 MIN. SLIP TO SLIP. - MONITOR WELL THROUGH TRIP TANK.</b>
<b>00.5</b>	<b>1130 - 1200</b>	<b>0</b>	<b>8 1/2</b>	<b>E</b>	<b>LOG</b>	<b>PJSM</b>	<b>NA</b>	<b>RIG</b>	<b>11640</b>	<b>11640</b>			<b>HELD STAND DOWN MEETING WITH DAY CREW DISCUSSED ABOUT FINGER INJURY AWARENESS, STOP WORK AUTHORITY AND SAFETY CULTURE IMPROVEMENT. PPE. ARAMCO LIFE SAVING RULES. STOP CARDS, DANGER ZONE CAMPAIGN.</b>
<b>04.0</b>	<b>1200 - 1600</b>	<b>0</b>	<b>8 1/2</b>	<b>E</b>	<b>LOG</b>	<b>LOG</b>	<b>WLT</b>	<b>HWP</b>	<b>11640</b>	<b>11640</b>	<b>11105</b>	<b>11105</b>	<b>HALL RDT TLC PERFORM &amp; COLLECT FM SAMPLES AS PER PROGRAM ACROSS LFDR FM AT 11,105' MD. - COLLECTED 2 SAMPLES OUT OF 26 SAMPLES. - TOTAL FLUID PUMPED IN ANNULUS: 3 BBLS. - MONITOR WELL THROUGH TRIP TANK- WELL STATIC.</b>
<b>03.8</b>	<b>1600 - 1945</b>	<b>0</b>	<b>8 1/2</b>	<b>E</b>	<b>LOG</b>	<b>TO</b>	<b>STDP</b>	<b>RIG</b>	<b>11640</b>	<b>11640</b>	<b>11105</b>	<b>8484</b>	<b>MOVE STRING UP/DN. POOH HALL RDT TLC FM SAMPLING LOGGING TOOL ASSY TO NEXT SAMPLING POINT ACROSS ARAB-D FM AT 8484' MD. - TRIP OUT W/ CONTROLLED 3 MIN. SLIP TO SLIP. - MONITOR WELL THROUGH TRIP TANK.</b>
<b>02.5</b>	<b>1945 - 2215</b>	<b>0</b>	<b>8 1/2</b>	<b>E</b>	<b>LOG</b>	<b>OTH</b>	<b>NA</b>	<b>HWP</b>	<b>11640</b>	<b>11640</b>			<b>PERFORMED STICKY TEST ACROSS ARAB-D FM AT 8492' MD FOR 15/30/60 MIN. STRING FREE AFTER EACH TEST. - MONITOR WELL THROUGH TRIP TANK DURING ALL LOGGING OPERATION- WELL STATIC.</b>
<b>01.2</b>	<b>2215 - 2330</b>	<b>0</b>	<b>8 1/2</b>	<b>E</b>	<b>LOG</b>	<b>LOG</b>	<b>WLT</b>	<b>HWP</b>	<b>11640</b>	<b>11640</b>	<b>8484</b>	<b>8484</b>	<b>HALL RDT TLC PERFORM &amp; COLLECT FM SAMPLES AS PER PROGRAM ACROSS ARAB-D FM AT 8484' MD.</b>
<b>00.5</b>	<b>2330 - 0000</b>	<b>0</b>	<b>8 1/2</b>	<b>E</b>	<b>LOG</b>	<b>PJSM</b>	<b>NA</b>	<b>RIG</b>	<b>11640</b>	<b>11640</b>			<b>HELD STAND DOWN MEETING WITH NIGHT CREW DISCUSSED ABOUT FINGER INJURY AWARENESS, TOP WORK AUTHORITY AND SAFETY CULTURE</b>

														IMPROVEMENT. PPE. ARAMCO LIFE SAVING RULES. STOP CARDS, DANGER ZONE CAMPAIGN.
05.0	0000 - 0500	0	8 1/2	E	LOG	LOG	WLT	HWP	11640	11640	8484	8484		CONT. HALL RDT TLC PERFORM & COLLECT FM SAMPLES AS PER PROGRAM ACROSS ARAB-D FM AT 8484' MD. - COLLECTED TOTAL 3 SAMPLES OUT OF 26 SAMPLES. - TOTAL FLUID PUMPED IN ANNULUS: 4.5 BBLS. - MONITOR WELL THROUGH TRIP TANK- WELL STATIC. - STATION#3 COMPLETE 6.5 HRS @ REPORT TIME 05.00AM..

QTIF-278 WILL BE DRILLED FROM DRILL SITE NDP-1 AS AN OPEN HOLE SINGLE LATERAL PRODUCER TARGETING ARAB-D RESERVOIR TO TD OF (15,267 FT MD/ 7,255 FT TVD). A PILOT HOLE WILL BE DRILLED ACROSS SULAIY AND ARAB'S TO BLFR @ TD OF 11,537 FT-MD/ 8,798 FT-TVD, WHERE EVALUATION LOGGING, PRESSURE AND FLUID SAMPLING WILL BE PERFORMED. THE PILOT HOLE WILL BE P&A AND THE WELL WILL BE SIDETRACKED FROM THE OPEN HOLE THEN DRILL L1. THIS WELL WILL BE DRILLED USING SULAIY OPEN METHOD. 6-1/8" HOLE SECTION WILL BE DRILLED ACROSS ARAB-D RESERVOIR TO TD AND WELL WILL BE COMPLETED WITH SCHLUMBERGER 7" PACKER, 4-1/2" TUBING, WLSSV, 2 MAGNUM CERAMIC DISCS AND 2 PDHMS GAUGES.

=====ERP=====

\* GOR = 972 SCF/STB, H2S MOLE: 11.8%, 30 PPM RER: 2862M ,100 PPM RER: 1088M & LOWER FLAMMABLE LIMIT (M)- 142M.

\* IF THE WIND DIRECTION IS FROM SE, EVACUATION WILL BE FROM THE EAST SIDE OF THE DRILL SITE & TO THE NORTH TO PRIMARY SAFE STAGING AREA, (SGA-1 WITH COORDINATES N: 2,970,653, E: 390,576.5).

\* IF THE WIND DIRECTION IS FROM NW, EVACUATION WILL BE FROM THE WEST SIDE OF THE DRILL SITE & TO THE SOUTH TO SECONDARY SAFE STAGING AREA, (SGA-2 WITH COORDINATES N: 2,964,717.8 E: 398,213.9).

\* THE PRIMARY RELIEF WELL IS QTIF-590 AND SECONDARY RELIEF WELL IS QTIF-221.

\* EMERGENCY BUS (55 SEATS) ON LOCATION FOR EMERGENCY EVACUATION.

=====SAFETY=====

-OBS. REP. IN SLS: 4479794, 4479801, 4479809, 4480041.

-HSE ALERTS: PIPE SPINNER CAME OUT AND HANGED INVESTIGATION REPORT, HSE ALERT 05-23 POWER OUTAGE DUE TO UPS CABLE AT VFD SYSTEM.

-DRILLS: 1 X FIRE DRILL.

-NEAR MISS ID: ID:4483758.

-SAFETY CAMPAIGN: FINGER INJURY AWARENESS CAMPAIGN, NAODD ENVIRONMENTAL CAMPAIGN 2023 - NOISE HAZARDS & PROTECTION. LINE OF FIRE AWARENESS CAMPAIGN 2022, "WORK SAFE NO REGRETS SAFETY CAMPAIGN", SAS ONSHORE DRILLING - ENVIRONMENTAL CAMPAIGN 4Q 22 -STOP WORK AUTHORITY. ARAMCO LIFE SAVING RULES.

=====ARAMCO PERSONNEL ON LOCATION=====

-AHMED AL-SULTAN #814190 PDP ON LOCATION SINCE 02/16/2023.

-ABDULHADI AL-HAJARI #8497309 MATERIAL EXPEDITOR ON LOCATION SINCE 02/20/23.

=====SERVICE PERSONNEL ON LOCATION=====

-SCOMI MUD ENG. ON LOCATION.

\* HALL MUD LOGGING ON LOC & R/U ON 2/9/2023

\* FIREFLY SYSTEM ON LOCATION SINCE FEB 6TH FOR ERP REQUIREMENT.

\* ALMANSOORI STANDALONE H2S SENSORS ON LOCATION SINCE FEB 6TH FOR ERP REQUIREMENT.

\* TAQA KILL PUMP ON LOCATION SINCE FEB 6TH FOR ERP REQUIREMENT.

- HALL TLC LOGGING CREW & EQUIP ON LOCATION SINCE 17 FEB 2023.

- SLB MUD SHEARING UNIT ON LOCATION SINCE 17 FEB 23.

- RECEIVED 6-1/2" DRLG JAR S/N GEDJ00076 ON 23-FEB-2023 AT 11:30 HRS.

====WELL SITE EQUIPMENTS ON LOCATION==

-DRSS-1003831902 FEB 2023, 4 VACCUM TANKERS (PLATE NO# 2795, 6911, 2832, 2976)

-DRSS-1003832203 BACKHOE 1/2M JCB ON LOCATION SINCE 01/01/2023.

=====HOLE SECTIONS =====

-34" HOLE TO 30" CP @ 120' MD/TVD.

-28" HOLE TO 24" CP @ 375' MD/TVD.

-22" HOLE TO 18-5/8" CP @ 893' MD/TVD.

-17" HOLE TO 13 3/8" CP @ 2,988' MD/2,978' TVD (100 FT TVD INTO LAMS).

-12.25" HOLE TO 9 5/8" CP 5,454' MD/ 5,311' TVD (283 FT TVD INTO BIYADH).

-8 1/2" PILOT HOLE DRILLED ACROSS SULAIY AND ARAB'S TO BLFR @ TD 11,640' MD/ 8,846' TVD.

-8 1/2" HOLE L-1 TO 9,689' MD/ 7,125' TVD (TOP ARAB-D FM).

-6 1/8" HOLE L-1 TO TD @ 15,267' MD/ 7,255' TVD (ARAB-D RESERVOIR).

=====DIRECTIONAL=====

FOLLOW QTIF-278 L-0 DIRECTIONAL PLAN # 12. DATED 5TH FEB 2023

1.5 FT ABOVE & 0.4 FT RIGHT FROM PLAN.

=====WSTK WINDOW =====

=====MUD PROPERTIES=====

- EXCESS LIME READING (8.4 LBS/BBL) (RANGE: 4-6 LBS/BBL)

=====RIG VISIT =====

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD		N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight <b>95</b>	Funnel Vis. <b>68 SEC</b>	Filtrate(WL) <b>3.4</b>	Filtrate (WL) API	PV <b>36</b>	YP <b>26</b>	Electrical Stability <b>900</b>	Volts	3/6 RPM <b>12 / 14</b>	Gels Sec/Min <b>13 / 19</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>		
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>12</b>	Oil Vol. % <b>60</b>	Solids Vol. % <b>28</b>	Sand Vol. % <b>0</b>	% LGS <b>10.09</b>	MBT <b>0</b>	Mud type <b>OBM</b>	Water Well # <b>QTIF-904</b>				
	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM			

	<b>95</b> PCF	<b>69</b> SEC	<b>3.4</b> HTHP	API	<b>37</b>	<b>27</b>	<b>900</b> Volts	<b>13 / 15</b>	<b>14 / 19</b>	<b>0</b>	<b>0</b>	<b>0</b>			
FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #					
<b>0</b>	<b>1</b>	<b>0</b>	<b>12</b>	<b>60</b>	<b>28</b>	<b>0</b>	<b>10.09</b>	<b>0</b>	<b>OBM</b>	<b>QTIF-904</b>					
MUD TREATMENT															
BIT DATA															
DRILL STRING	Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #														
Miscellaneous	BOP Test	BOP Drills		Wind		Sea	Weather		DSLTA	Safety Meeting					
	<b>02/17/2023</b>	<b>1</b>		<b>NORMAL</b>		<b>NA</b>	<b>SEASONAL</b>		<b>7099</b>						
	Real-Time Data Quality		Sensors Quality			100%	Data Frequency		100%	Real-Time Hrs		10.99/24 hrs			
Personnel and Services Information	COMPANY	RIG	RIG	GDF	MJH	MH2	HMS	RIG	ARM	SJC	MI2	OTH	ARM	HWP	Total <b>99</b>
	CATEGORY	CTRG	RIG	DFMS	SEC	H2S	MLS	OTHR	OTHR	PCS	SCS	VAC	WSC	WLS	
	NO. OF PERSONS	<b>15</b>	<b>38</b>	<b>2</b>	<b>7</b>	<b>1</b>	<b>2</b>	<b>18</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>2</b>	<b>5</b>	
	OPERATING HRS.	<b>0</b>	<b>24</b>	<b>12</b>	<b>24</b>	<b>12</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>10</b>	<b>24</b>	<b>24</b>	
	ON LOCATION HRS.	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	
Trucks/Boats	Standby/Tankers														
	<b>RT4443</b>														
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX									
REPAIR ASAP	Instrumentation	Other													Reporter
	Computer, Communication & V-Sat Issues														

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>QTIF-698 (TRI-LATERAL ARAB-D DISPOSAL WELL)</b> Charge (66- 22012-#: <b>0698</b> ) Wellbores: (0) QTIF_698_0	Rig <b>T-102</b>	Foreman(s) <b>UGORI, SAMUEL IFEANYI/ ALMAGDAD, ABDULLAH EBRAHIM/ ALAHMADI, THAMER AHMED/</b> Engineer Superintendent <b>ALROQAIE, ABDULAZIZ ABDULLAH/ ELDEEB, TAREK ABD ALLA</b>
		THURAYA <b>+8821677711056</b>	RIG FORMAN VSAT <b>673-6493</b> FAX VSAT <b>N/A</b> CONTRACTOR/CLERK VSAT <b>673-7402</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>17328</b>	<b>DRILL 6-1/8" L-0 HOLE SECTION.</b>	<b>DRILL 6-1/8" L-0 HOLE SECTION TO TD @18,062' MD/ 8,073' TVD.</b>	<b>DRILL SITE NWD-51</b>	<b>51.3 (01/06/2023@2200)</b>	<b>ABDR 7999 46' DEEPER (10544' MD)</b>
Prev. Depth <b>16381</b>	Liner Size <b>7</b>	TOL <b>5562</b> MD <b>12997</b> TVD <b>8068</b>	Last Csg Size <b>7</b> MD <b>12997</b> TVD <b>8068</b>	Footage <b>947</b>	Circ % <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
06.5	0500 - 1130	0	6 1/8	N	DRLG	D	RSS	BHI	16381	16660			DRILL 6-1/8" HOLE WITH BHI RSS/FPWD USING 76 PCF WBM & 100% CIRC.
00.5	1130 - 1200	0	6 1/8	N	DRLG	PJSM	NA	RIG	16660	16660			HELD STAND DOWN MEETING WITH CREW DISCUSS STOP WORK AUTHORITY AND FINGER INJURY AWARENESS.
06.5	1200 - 1830	0	6 1/8	N	DRLG	D	RSS	BHI	16660	16945			DRILL 6-1/8" HOLE WITH BHI RSS/FPWD USING 76 PCF WBM & 100% CIRC.
00.5	1830 - 1900	0	6 1/8	N	DRLG	RR	TDS	RIG	16945	16945			SERVICE TDS
04.5	1900 - 2330	0	6 1/8	N	DRLG	D	RSS	BHI	16945	17135			DRILL 6-1/8" HOLE WITH BHI RSS/FPWD USING 76 PCF WBM & 100% CIRC.
00.5	2330 - 0000	0	6 1/8	N	DRLG	PJSM	NA	RIG	17135	17135			HELD STAND DOWN MEETING WITH CREW DISCUSS STOP WORK AUTHORITY AND FINGER INJURY AWARENESS.
04.2	0000 - 0415	0	6 1/8	N	DRLG	D	RSS	BHI	17135	17328			DRILL 6-1/8" HOLE WITH BHI RSS/FPWD USING 76 PCF WBM & 100% CIRC. - WOB: 15-20, RPM: 120-130, FR: 280-300 GPM, SPP: 3,500-3,760 PSI. TQ: 9K-13K LB-FT. - CONTROL ROP TO 80 FPH DUE TO NMR. - DRILL OFF FOR 3 MINS EACH KELLY DOWN. - REAM UP/DOWN 1 SINGLE EVERY STD & FULL STD EVERY 5 STDS DRILLED. - SWEEP 10/20 BBLS LO-VIS/HI-WTD PILL EVERY 2 STD DRILLED. - LITHOLOGY LAST SAMPLE: 100% LIMESTONE @17,230'.
00.8	0415 - 0500	0	6 1/8	E	DRLG	LOG	LWD	BHI	17328	17328	17174	17174	L/D 1 SINGLE. PERFORM STICKY TEST (5,10,15 MIN). RECORD PRESSURE POINT# 10 @ 17,174' MD ... ONGOING @ RT.

QTIF-698 WILL BE DRILLED AND COMPLETED IN DRILL SITE NWD-51 AS AN OPEN HOLE TRI-LATERAL POWER WATER INJECTOR TARGETING ARAB-D RESERVOIR; L-0 TD (17,521 FT MD/ 8,042 FT TVD), L-1 TD (17,000 FT MD/ 8,055 FT TVD), L-2 TD (16,000 FT MD/ 8,102 FT TVD). THE WELL WILL BE COMPLETED WITH 4-1/2" GRE TUBING AND 7" PACKER.

=====NEXT WELL=====

- QTIF-505 (SAME PAD).

=====ERP=====

- H2S: 0 %.; AOF: 0 MBOD, GOR: 0 SCF/STB, 100 PPM: 0M, 30 PPM: 0 M, 1/2 LFL: 60 M.
- THERE IS NO POPULATED AREA AND FARMS WITHIN 1/2 LFL AND 100 PPM RER OF QTIF-752 ON DRILL SITE NWD-51.
- RELIEF WELL FOR QTIF-675 (DRILL SITE NWD-52) IS PROPOSED TO BE DRILLED (IN CASE OF UNCONTROLLED WELL FLOW) FROM QTIF-698.

- EMERGENCY BUS OF 60 PERSON IS READY FOR EVACUATION.

- DAILY ECC RADIO CHECK WITH DH-ECC.

- FUNCTION TEST FLARE IGNITION SYSTEM WEEKLY.

=====EXISTING WELLS IN DRILL SITE NWD-51=====

- QTIF-685 (ARAB-D) 85-MTRS NORTH; SHUT IN WITH LMV AND BPV.
- QTIF-752 (ARAB-C) 100- MTRS NORTHEAST SHUT IN WITH LMV AND BPV.
- QTIF-684 (ARAB-C) 131-MTRS NORTH-EAST; SHUT IN WITH LMV AND BPV.
- QTIF-500 (ARAB-C) 217-MTRS NORTH-EAST; SHUT IN WITH LMV AND BPV.

- 100 CEMENT CONCRETE BLOCKS ON LOCATION.

=====SAFETY=====

- CONDUCT DAILY SAFETY & PRE-TOUR MEETING.

- SAFETY CAMPAIGNS: FINGER INJURY AWARENESS CAMPAIGN.

- SAFETY DRILLS: 1X PIT
  - SAFETY ALERTS: NONE.
  - NEAR MISS REPORT: NONE

=====ARAMCO PERSONNEL ON LOCATION & VISIT=====

- MATERIAL EXPEDITOR MOHAMMED ALAJMI ON LOCATION.
  - HOT-1 TRAINEE, IBRAHIM ALRABIA, ON LOCATION.
  - NAODD FCT, AHMED ALMUSTAFA, ON LOCATION.
  - EXPEC ARC POPI TECHNICIANS, ABDULLAH ALHAJRI & MOHAMMED ALSUBAIE, ON LOCATION.

=====SERVICE PERSONNEL & RENTAL EQUIP=====

- HALLIBURTON MUD LOGGING UNIT & CREW ARRIVED LOCATION ON 1/28/2023 @ 1300 HRS.**

-----**TRIAL TEST**-----

- CONDUCTED TRIAL TEST ON SLEDGEHAMMER 9-5/8" CENTRALIZERS AS PER THE PROGRAM.

RENTAL TOOLS & OTHERS

\* 3 X VACUUM TANKERS ON LOCATION - A  
14 X 10 MEET & PACKAGE ON LOCATION

\* 1 X 1/2 METER BACKHOE ON LOCATION.

\* AJINAH JCB ON LOCATION DRSS:1003642141  
BIG VISIT

## Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
0	17266	90.99	224.82	94	8053.92	-4378.38	-8806.66	9376.46	0.46
0	17172	91.34	225.08	94	8055.83	-4311.86	-8740.27	9282.49	0.31
0	17078	91.43	225.36	94	8058.1	-4245.67	-8673.56	9188.53	1.32
0	16984	91.40	226.60	96	8060.42	-4180.37	-8605.99	9094.56	1.24
0	16888	91.68	227.76	94	8063	-4115.14	-8535.60	8998.62	0.95
0	16794	91.74	226.87	94	8065.81	-4051.44	-8466.53	8904.69	0.32
0	16700	91.71	226.57	94	8068.64	-3987.03	-8398.13	8810.74	0.33
0	16606	91.46	226.76	94	8071.24	-3922.55	-8329.79	8716.78	0.92
0	16512	90.75	226.26	94	8073.05	-3857.87	-8261.60	8622.8	0.62
0	16418	90.81	226.84	95	8074.33	-3793.23	-8193.37	8528.81	0.42
0	16323	90.78	226.44	98	8075.65	-3728.01	-8124.31	8433.83	0.1

	140	1	1	84	0	16	0	20.92	0	LS-ND	QTIF-870
MUD TREATMENT	ECCO-TEMP	CACO3-25	CACO3-50	MRBL-M	MARBLE-FINE	FLO-TROL	BCTRN	HYPERGLIDE	RM-63		

DRILL STRING	Float		Y												
	BHA Hrs:														
	String Wt.	Pick Up	Slack Off	Rot. Torque			Jars: Serial #/Hrs			/	Shock Sub:	/	Mud Motor:	/	
	110	150	95	8500						/	/	/	Mud Motor:	/	
	Order	Component		Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit		REED	6.125	1	6.125	1	0.5	3-1/2" REG					E243453
	2	RSS		BHI	4.75	1	5.2	1.5	9.6	T2	3-1/2" REG				15425289
	3	Measurement While Drilling (MWD)		BHI	4.75	1	4.75	2	20	T2	T2				
	4	Stabilizer		BHI	4.75	1	5.87	1.5	3	T2	T2				
	5	Measurement While Drilling (MWD)		BHI	4.75	1	4.75	2	17	T2	T2				
	6	Stabilizer		BHI	4.75	1	5.75	1.5	3	T2	T2				
	7	Logging While Drilling (LWD)		BHI	4.75	1	4.75	1.5	14.5	T2	T2			DEN/PORO	

	8	Stabilizer	BHI	4.75	1	5.84	1.5	3.3	T2	T2			
	9	Logging While Drilling (LWD)	BHI	4.75	1	4.75	1.3	23	T2	T2		FPWD	
	10	Stabilizer	BHI	4.75	1	6	1.5	3.3	T2	T2			
	11	Logging While Drilling (LWD)	BHI	4.75	1	4.75	1.3	17	T2	T2		NMR	
	12	Stabilizer	BHI	4.75	1	6	1.5	3	T2	T2			
	13	Stop Sub	BHI	4.75	1	4.75	1.5	2	3-1/2" IF	T2			
	14	Float Sub	BHI	4.75	2	4.75	2.25	6.5	3-1/2" IF	3-1/2" IF			
	15	Filter Sub	BHI	4.75	2	4.75	2	13	3-1/2" IF	3-1/2" IF			
	16	Crossover	RIG	4.75	1	4.75	2.25	1.8	XT-39	3-1/2" IF			
	17	Heavy Weight Drillpipe (HWDP)	RIG	4	1	4	2.56	31	XT-39	XT-39			
	18	Dogleg Reamer	NRT	6.125	1	6.125	2.56	4	XT-39	XT-39			
	19	Heavy Weight Drillpipe (HWDP)	RIG	4	2	4	2.56	61	XT-39	XT-39			
Miscellaneous	BOP Test <b>02/14/2023</b>		BOP Drills <b>02/14/2023</b>		Wind <b>NORMAL</b>		Sea N/A	Weather <b>SEASONAL</b>		DSLTA <b>6486</b>	Safety Meeting <b>TOURLY</b>		
	Real-Time Data Quality		Sensors Quality		100%	Data Frequency		100%	Real-Time Hrs		<b>10.74/24 hrs</b>		
Personnel and Services Information	COMPANY		RIG	BHI	RIG	GDF	MJH	RIG	HMS	RIG	ARM	OTH	ARM
	CATEGORY		CTR G	DPDS	RIG	DFMS	SEC	MED	MLS	OTHR	OTHR	VAC	WSC
	NO. OF PERSONS		15	4	49	2	8	2	4	12	4	3	3
	OPERATING HRS.		0	24	24	24	0	0	24	24	0	10	24
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24
Trucks/Boats	Standby/Tankers <b>AB5437</b>	<b>EMERGNCY BUS</b>		<b>AMBULANCE</b>									
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>698</b>		Barite- SX	Bentonite - SX	Cement G- SX						
REPAIR ASAP	Instrumentation		Other								Reporter		
	Computer, Communication & V-Sat Issues												

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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date	Well No (Type) :	Rig	Foreman(s)	ACHOUR, FATEH / KHAMUYEV, ELDAR /
MONDAY 02/27/2023	ANDR-1227 (REPAIR CASING LEAK AND RESTORE WELL INTEGRITY.) Charge (61- 23056- #: 1227) Wellbores: (0) ANDR_1227_0	T216	Engineer Superintendent	ASHRAF, RAJU RUHAIL / ALDOSARI, ABDULRAHMAN MUTLAQ
THURAYA	RIG FORMAN VSAT	OTHER VSAT	OTHER VSAT	CONTRACTOR/CLERK VSAT
008821677712576 5728788	ARAMCO CLERK / 5723351 5728898	5115121 / MEDIC 5115122		

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
13890	RECORD BAKER CORROSION USIT LOG, RUN & SET 7" FASDRIL, RUN CMT STINGER ON 4" DP, PERFORM INJECTIVITY TEST, RU & PT CMT LINE.	PERFORM SQZ CMT JOB, CHC, POH, SET 9-5/8" RTTS, PERFORM WELLHEAD WORK.	122 KM FROM DHAHRAN MAIN GATE; 3.8 KM NW ANDR GOSP-3	6.5 (02/20/2023@1800)	
Prev. Depth 13890	Liner Size 7	TOL 2513	MD 9605	TVD 8507	Last Csg Size 9 5/8 MD 5328 TVD 5328 Footage 0 Circ % 100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations											
									Start	End	Start	End												
09.5	0500 - 1430	0		E	LOG	LOG	WLT	BAW	13890	13890	4500	2513	CONT LOG UP & RECORD USIT CORROSION LOG FROM 4500' TO TOL 2513'. - PERFORM REPEAT PASS FROM 7150' TO 6950'. - KEEP RUNNING TRIP TANK ALL THE TIME, STATIC LOSSES 10 BPH.											
01.0	1430 - 1530	0		E	LOG	OTH	NA	BAW	13890	13890			CONT POH WITH BAKER USIT TOOL TO SURFACE, R/D SAME											
01.0	1530 - 1630	0		N	PA	OTH	NA	BAW	13890	13890			HPJSM, P/U & R/U HLB 7" FASDRILL-CR.											
02.0	1630 - 1830	0		N	PA	SET	BP	BAW	13890	13890	6900	6900	RIH WITH HLB 7" FASDRILL WITH BAKER E-LINE TO SETTING DEPTH, PERFORM CORRELATION DEPTH & SET FASDRILL @ 6900'. HAD GOOD INDICATION. POH 500' & PRESSURE TEST FASDRILL-CR TO 900 PSI/15 MIN HOLD. -HAD FULL RETURN, WELL STATIC											
02.0	1830 - 2030	0		N	PA	OTH	NA	BAW	13890	13890			HPJSM, CONT POH & COMPLETE R/D BAKER W/L EQUIPMENTS. -KEEP RUNNING TRIP TANK ALL THE TIME WITH 83 PCF BRINE, WELL STATIC.											
01.5	2030 - 2200	0		N	BOP	NU	BNIP	RIG	13890	13890			HPJSM. N/D 9-5/8"SHOOTING, N/U BELL NIPPLE & FLOW LINE. -KEEP RUNNING TRIP TANK ALL THE TIME WITH 83 PCF KILL FLUID, WELL STATIC.											
00.5	2200 - 2230	0		N	PA	HT	BHA	RIG	13890	13890			HPJSM, P/U & M/U HLB STINGER TOOL FOR 7" FASDRILL-CR. -KEEP RUNNING TRIP TANK ALL THE TIME WITH 83 PCF KILL FLUID, WELL STATIC.											
03.5	2230 - 0200	0		N	PA	TI	STDP	RIG	13890	13890	10	6900	RIH WITH HLB STINGER ON 4" DP'S TO TOP OF FASDRILL @ 6900'. -KEEP RUNNING TRIP TANK ALL THE TIME WITH 83 PCF KILL FLUID, WELL STATIC.											
01.5	0200 - 0330	0		N	PA	OTH	NA	HCB	13890	13890			P/T FASDRILL TO 500 PSI, HOLD. SLOWLY STING IN FASDRILL-CR & P/T FROM BACKSIDE 500 PSI HOLD. PERFORMANCE INJECTIVITY TEST, HAD FINAL PRESSURE 950 PSI @ 3.5 BPM, STING OUT.											
01.5	0330 - 0500	0		N	PA	OTH	NA	RIG	13890	13890			R/U CMT SURFACE LINE. FLUSH & PRESSURE TEST CMT SURFACE LINE 500/3000 PSI HOLD.											

- ODF CORRECTION= 0.

=====ARAMCO POB =====

===== DIESEL CONSUMPTION / WELL=====

- DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP): (DAILY: 20 BBLS/ TOTAL: 283 BBLS).

===== RENTAL TOOLS =====

- 4-3/4" OILSERV DRILLING JAR ON LOCATION (SN # HMJ-4750016) SINCE 2/19/2023.

===== NEXT WELLS=====

- ANDR-1206: KOM DONE ON 11/14/2022, STRIP OUT 100%, LOCATION 25%.

=====VISITORS=====

Remarks

Lateral	Survey MD		Angle		Azimuth		CLength		TVD		N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS											
MUD DATA	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability		3/6 RPM		Gels Sec/Min	PH	CA PPM		CL PPM		315000												
	83 PCF	37 SEC	0 HTHP	API	0	0	Volts		0 / 0		0 / 0	10	0		0														
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %		% LGS		MBT	Mud type	Water Well #		SDGM-923, ANDR-956														
	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability		3/6 RPM		Gels Sec/Min	PH	CA PPM		CL PPM														
MUD TREATMENT	83 PCF	37 SEC	0 HTHP	API	0	0	Volts		0 / 0		0 / 0	10	0		0		315000												
	XC	BARITE-BULK	HEC	PACR	CAOH2	BCTR	BENT	CACL2-80	MBT		Mud type	Water Well #	SDGM-923, ANDR-956		SDGM-923, ANDR-956														
BIT DATA	Order		Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #														
DRILL STRING	BOP Test		BOP Drills		Wind		Sea		Weather		DSLTA		Safety Meeting																
Miscellaneous	02/21/2023		02/21/2023		NORMAL		N/A		SEASONAL		PRE TOUR MEETING.																		
	Real-Time Data Quality				Sensors Quality				100%		Data Frequency		100%		Real-Time Hrs		11.49/24 hrs												
Personnel and Services Information	COMPANY		RIG		RIG		OES		RIG		OTH		ARM		BAW		NCS		HCB		GEI		HTD		Total 83				
	CATEGORY		CTR G		RIG		DFMS		OTH R		VAC		WSC		WLS		PCS		BRCR		ISPCT		CSV						
	NO. OF PERSONS		14		36		1		9		4		2		6		6		1		3								
	OPERATING HRS.		0		24		12		12		24		16		2		6		0		0								
	ON LOCATION HRS.		24		24		24		24		24		24		13		19		12		11								
Trucks/Boats	Standby/Tankers				ARAMCO P/U DH-7533				RIG AMBULANCE 4X4				WATER TANKER X 4																

BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX	
REPAIR ASAP	Instrumentation	Other					Reporter

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D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date	Well No (Type) :	Rig	Foreman(s)	<a href="#">YOUNISS, AHMED FIKRY/ ZAHRAN, AMR MOHAMED/ AVILA ROMERO, MIGUEL AUGUSTO/ ALDOSARI, ABDULRAHMAN MUTLAQ</a>			
MONDAY 02/27/2023	<b>FDHL-180 ( SIDETRACK AND COMPLETE AS LFDR OBSERVATION WELL)</b> Charge (71- 22018- #: 0180) Wellbores: (0) FDHL_180_0	T217	Engineer Superintendent	THURAYA <b>008821677712591</b>		RIG FORMAN VSAT <b>013-5773582</b>	OTHER VSAT CONTRACTOR/CLERK VSAT <b>013-5773553</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops				
<b>11720</b>	<b>R/D ON ANDR-1211.</b>	<b>R/D ON ANDR-1211, R/M &amp; R/U ON FDHL-180.</b>	<b>120 KM FROM DMG - 6.5 KM WEST FDHL GOSP-1</b>	<b>0.0 (@)</b>					
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size				
<b>11720</b>	<b>7</b>	<b>6907</b>	<b>10574</b>	<b>9926</b>	<b>9 5/8</b>	<b>MD</b>	<b>TVD</b>	<b>Footage</b>	<b>Circ %</b>
<b>11720</b>								<b>0</b>	

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
<b>12.0</b>	<b>0500 - 1700</b>	<b>0</b>		<b>M</b>	<b>RM</b>	<b>RD</b>	<b>NA</b>	<b>RIG</b>	<b>11720</b>	<b>11720</b>			<b>HELD PRE JOB-SAFETY MEETING WITH ALL PERSONNEL REVIEW SAFE WORKING PROCEDURES WHILE RIGGING-DOWN AND MOVING. GOOD COMMUNICATION AND TEAM-WORK. REVIEW JSA FOR ALL LIFTS AND MONITOR WIND SPEEDS... GOOD COMMUNICATION AND TEAM-WORK.</b>
													<b>- R/D ON ANDR-1211: 30%. - R/M TO FDHL-180: 05% - R/U ON FDHL-180: 00 %</b>
													<b>&gt;&gt; SAFELY LOWER SUB-BASE. &gt;&gt; SAFELY LOWER RIG MAST ON HI-HORSE &amp; PREPARE FOR DISMANTLE. &gt;&gt; R/D MONKEY BOARD &amp; BELLY BOARD. &gt;&gt; SPOOL BACK DRLG-LINE. &gt;&gt; R/D &amp; MOVE MUD-SYSTEM. &gt;&gt; GENERAL R/D OPERATIONS.</b>
													<b>&gt;&gt; CHECK ALL CRANE OPERATORS, RIGGER#1 AND FORKLIFT OPERATORS FOR VALID CERTIFICATIONS. &gt;&gt; AHQ RIG MOVE COMPANY ON LOCATION: 80 TRUCKS, 4 CRANES, 2 FORKLIFTS, 2 X TRUCK PUSHERS, 2 X RIGGER-1, 2 X SAFETY MAN.</b>
													<b>&gt;&gt; DAY'S SINCE RIG RELEASE = 2.0 DAYS. &gt;&gt; RIG MOVE DISTANCE: 226.0 KM (220.5 KM BLACK-TOP &amp; 5.5 KM SKID-ROAD)</b>
<b>12.0</b>	<b>1700 - 0500</b>	<b>0</b>		<b>M</b>	<b>SUSP</b>	<b>OTH</b>	<b>NA</b>	<b>RIG</b>	<b>11720</b>	<b>11720</b>			<b>SUSPEND ALL TANDEM LIFT OPERATIONS DURING NIGHT-TIME.</b>

#### ODF CORRECTION= -- FT.

#### ===== SAFETY & ERP =====

- H2S MOLE: 00%, GOR: N/A SCF/BBL, RER 100 PPM= 1,326 M, 30 PPM= 2,624 M, 1/2 LFL : 297M.

#### ===== ARAMCO PERSONNEL ON BOARD =====

- ARAMCO MATERIAL EXPEDITOR ALKHALDI, SULTAN ID # 8361581 ON LOCATION SINCE 02/19/2022.

- ARAMCO FCT ALAHMARI, SAAD ID# 787291 ON LOCATION SINCE 002/19/2022.

#### ===== RENTAL TOOLS=====

#### ===== TRUCKS VAC, WATER & GARBAGE=====

- 04 RAW WATER TANKERS #2002, #2042, #2040, #2060.

- 02 WASTE TRUCKS #4522, #5629.

- 01 DUMP TRUCK #8950.

#### ===== DIESEL REPORT=====

- DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) = (DAILY: 16 BBLS / CUMULATIVE FOR CURRENT WELL: 43 BBLS).

#### ===== NEXT LOCATIONS READINESS =====

Remarks

#### KCA MANAGEMENT:

- ABDULRAOF KCA DS ON LOCATION.

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS					
MUD DATA														
MUD TREATMENT														
BIT DATA														
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting							

Miscellaneous	NORMAL		N/A	SEASONAL		RIG MOVE MEETING.		
	Real-Time Data Quality						No Transmission	
Personnel and Services Information	COMPANY		RIG	RIG	GDF	RIG	ARM	OTH
	CATEGORY		CTR G	RIG	DFMS	OTHR	OTHR	VAC
	NO. OF PERSONS		16	70	1	85	2	2
	OPERATING HRS.		0	12	0	12	12	24
	ON LOCATION HRS.		24	24	24	24	24	24
Trucks/Boats	Standby/Tankers <b>AB-025</b>	<b>04 RAW WATER TANKER</b>						
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX <b>45</b>	Bentonite - SX	Cement G- SX <b>850</b>		
REPAIR ASAP	Instrumentation	Other Computer, Communication & V-Sat Issues						
								Reporter

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Date	Well No (Type) :	Rig	Foreman(s)
MONDAY 02/27/2023	HWYH-126 (SIDETRACK IN ARAB-D) Charge (71- 23053- #: 0126) Wellbores: (0) HWYH_126_0	T218	JUNPENG, GUO/ HASSAN, MOHAMED MARWAN/ BALHARETH, TURKI MOHAMMED/ ALDOSARI, ABDULRAHMAN MUTLAQ
		THURAYA	RIG FORMAN VSAT 008821677712592 0135773583
		OTHER VSAT ARAMCO: 0135773556	CONTRACTOR/CLERK VSAT RIG: 0135115141 ARAMCO: 0135773585

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
7410	R/D ON HRDH-64, R/M TO HWYH-126 & R/U ON HWYH-126 .	R/D ON HRDH-64, R/M TO HWYH-126 & R/U ON HWYH-126 .	225 KM FROM DHAHREN MAIN GATE; 10 NW HWYH-GOSP #4	0.0 (@)	
Prev. Depth 7410	Liner Size	TOL	MD	TVD	Last Csg Size 7 MD 7260 TVD 7260 Footage 0 Circ %

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations						
									Start	End	Start	End							
13.0	0500 - 1800	0	N	RM	RM	NA	RIG						HELD RIG MOVE SAFETY MEETING WITH RIG CREW & RIG MOVER CREW DISCUSSED POTENTIAL HAZARDS WHILE RIG DOWN, STOP WORK AUTHORITY, AND MONITOR WIND SPEED ALL TIMES.						
													R/D ON HRDH-64: 80%. R/M TO HWYH-126: 60%. R/U ON HWYH-126: 25%.						
													===== OPERATION =====						
													- MOVED MAST & SUBSTRUCTURE TO NEW LOCATION . - R/U SUBSTRUCTURE ON NEW LOCATION...ONGOING. - SPOT & R/U MUD SYSTEM ON NEW LOCATION...ONGOING. - MOVED MUD PUMPS & ENGINE TO NEW LOCATION - GENERAL R/U ON HWYH-126 .... ONGOING						
													- DAYS SINCE RIG RELEASE: 02 DAY 16 HOURS. - RIG MOVE DISTANCE: 13.7 KM ( 0.9 KM BLACKTOP & 12.8 KM SKID ROAD)						
													----- - WELL HRDH-64 IS SECURED W/ 4-1/2" PX-PLUG BELOW PKR @ 5053 FT. - WELL HWYH-126 IS SECURED W/ 7" INTERWELL ME-PLUG @ 500 FT.						
11.0	1800 - 0500	0	N	RM	RM	NA	RIG						SUSPEND ALL TANDEM LIFT OPERATIONS DURING NIGHT-TIME HOURS .						

ODF CORRECTION = XXX FT.

===== ARAMCO PERSONNEL & RIG VISIT =====

===== DIESEL CONSUMPTION (ENGINES & CAMP) =====

- DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP): DAILY: 10 BBLS / TOTAL: 29 BBLS.

===== RENTAL TOOLS =====

===== TRUCKS VAC, WATER & GARBAGE=====

- 04 RAW WATER TANKERS ON LOCATION: #3768, #3772, #7907, #8053.

===== NEXT LOCATION =====

- HRDH-101: KOM DONE ON 2/08/2023, STRIP OUT 00%, LOCATION 00% (NEED CUT FLOW LINE FOR STRIP OUT).

=====VT & DUMP TRUCK=====

- 03 EA VACUUM TANKERS (DRSS#1003841833): 4839 (2 TRIP); 6418 (2 TRIP); 3786 (2 TRIP) STARTED ON 02/13/2022 .

#### Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
<b>MUD DATA</b>									
<b>MUD TREATMENT</b>									
<b>BIT DATA</b>									
<b>DRILL STRING</b>									
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #									
BOP Test BOP Drills Wind SEASONAL. Sea N/A Weather SEASONAL. DSLTA Safety Meeting RIG MOVE SAFTY MEETING									
Miscellaneous Real-Time Data Quality No Transmission									
Personnel and Services Information	COMPANY		RIG	RIG	EMC	MJH	OTH	ARM	
	CATEGORY		RIG	CTR G	DFMS	SEC	VAC	WSC	
	NO. OF PERSONS		40	15	1	5	4	2	
	OPERATING HRS.		0	0	24	24	24	24	
	ON LOCATION HRS.		24	24	24	24	24	24	Total 67
Trucks/Boats	Standby/Tankers ARAMCO PU AB-7362	4 RAW WATER TANKERS	CREW BUS						
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX	150		
REPAIR ASAP	Instrumentation	Other	Computer, Communication & V-Sat Issues						Reporter

Date	MONDAY 02/27/2023	Well No (Type) :	Rig	Foreman(s)	KOKOSZ, RUSSELL STEPHEN/ BATUBARA, EYAD		
		<b>HRDH-2523</b> <b>(MK-1 S SHAPE TO 250 FT INTO KFDA)</b>	T-302	Engineer	<b>HISHAM/ VOLKOV, DMITRIY SERQEYEVIC/ ABD RAB ALREDA, SAEED HASSAN</b>		
		Charge #: <b>(66- 22058- 2523)</b>		Superintendent			
		Wellbores: (0) HRDH_2523_0		THURAYA	RIG FORMAN VSAT	OTHER VSAT	CONTRACTOR/CLERK VSAT
				<b>8821677712719</b>	<b>013-576-2484</b>	<b>013-576-2248</b>	<b>013-576-2425</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>12225</b>	<b>PERFORM WIPER TRIP, POOH &amp; L/D SAME, P/U &amp; RIH W/ HLB W/L LOGGING BHA #1, PERFORM LOGGING OPERATION</b>	<b>POOH &amp; L/D HLB WIRELINE LOGGING BHA #1</b>	<b>226 KM FROM DH</b>	<b>48.6</b> (01/09/2023@1430)	<b>KFCC 11507 11705' MD &amp; 29' SHALLOWER KFDA 11777 11975' MD &amp; 21' SHALLOWER</b>
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ %
<b>12225</b>	<b>7</b>	<b>9131</b>	<b>11707</b>	<b>11512</b>	<b>9 5/8 95839385 0 100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
02.5	0500 - 0730	0	5 7/8	N	DRLG	CIRC	MPMP	RIG	12225	12225			PUMP SWEEP & CIRCULATE HOLE CLEAN. RECORD FINAL SURVEY W/ HLB MWD. FLOW CHECK WELL 30' OFF BOTTOM - STATIC.
00.5	0730 - 0800	0	5 7/8	N	DRLG	ST	SPDP	RIG	12225	12225	12225	11707	WIPER TRIP - POOH W/ 5-7/8" ROTARY BHA & HLB MWD-GR.
00.5	0800 - 0830	0	5 7/8	N	DRLG	CIRC	MPMP	RIG	12225	12225			PERFORM FLOW CHECK @ 7" LINER SHOE - STATIC.
00.5	0830 - 0900	0	5 7/8	N	DRLG	ST	SPDP	RIG	12225	12225	11707	12225	WIPER TRIP - RIH W/ 5-7/8" ROTARY BHA & HLB MWD-GR. WASH LAST STD TO BOTTOM.
02.5	0900 - 1130	0	5 7/8	N	DRLG	CIRC	MPMP	RIG	12225	12225			PUMP SWEEP & CIRCULATE AND CONDITION HOLE. FLOW CHECK WELL 30' OFF BOTTOM - STATIC.
00.5	1130 - 1200	0	5 7/8	N	DRLG	TO	SPDP	RIG	12225	12225	12225	11707	PUMP OUT OF HOLE W/ 5-7/8" ROTARY BHA & HLB MWD/GR.
00.5	1200 - 1230	0	5 7/8	N	DRLG	CIRC	MPMP	RIG	12225	12225			PERFORM FLOW CHECK @ 7" LINER SHOE - STATIC. PUMP SLUG. DROP 3-1/2" HOLLOW DRIFT.
04.0	1230 - 1630	0	5 7/8	N	DRLG	TO	STDP	RIG	12225	12225	11707	3531	POOH W/ 5-7/8" ROTARY BHA & HLB MWD/GR. MONITOR TRIP SHEETS - OK.
01.0	1630 - 1730	0	5 7/8	N	DRLG	HT	PEL	RIG	12225	12225			CHANGE ELEVATOR TO 4" DP, DROP DRIFT 3-3/8", FLOW CHECK @ 4" DP - STATIC.
01.0	1730 - 1830	0	5 7/8	N	DRLG	TO	STDP	RIG	12225	12225	3531	1361	POOH W/ 5-7/8" ROTARY BHA & HLB MWD/GR. MONITOR TRIP SHEETS - OK.
00.5	1830 - 1900	0	5 7/8	N	DRLG	HT	BHA	RIG	12225	12225			L/D 5-7/8" ROTARY BHA & HLB MWD-GR.
02.5	1900 - 2130	0		E	LOG	OTH	NA	HWP	12225	12225			HPJSM, R/U HLB LOGGING EQUIPMENT, SHEAVES & LOGGING TOOLS FOR RUN#1. > TOOLS: RESISTIVITY, SONIC, CALIPER, NAVIGATION, NUCLEAR, GAMMA RAY, JAR & RELEASEABLE CABLE HEAD (ACRT-AST-ICT-IDT-DSDLT-DSNT-CSNG-GTET-MCEJ-RWCH) > TOTAL TOOL LENGTH 170.43'/MAX OD = 5"
02.0	2130 - 2330	0		E	LOG	OTH	NA	HML	12225	12225			RIH W/ HLB LOGGING BHA #1 ON WIRELINE TO 7" LINER SHOE @ 11707'.
01.5	2330 - 0100	0		E	LOG	LOG	WLT	HWP	12225	12225	11707	12225	RIH WHILE LOGGING DOWN W/ HLB LOGGING BHA #1 TO BOTTOM @ 12225'.
02.5	0100 - 0330	0		E	LOG	LOG	WLT	HWP	12225	12225	12225	11507	POOH WHILE LOGGING W/ HLB LOGGING BHA #1 TO 11507' (200' INTO 7" LINER).
01.5	0330 - 0500	0		E	LOG	LOG	WLT	HWP	12225	12225	11507	11707	RIH W/ W/L LOGGING BHA #1 FOR REPEAT PASS TO 12100' & LOG UP TO 11707' @ 7" LINER SHOE.

#### ===== WELL OBJECTIVES =====

HRDH-2523 IS PLANNED AS MK-1 WELL TO BE DRILLED AS A S-SHAPE WELL TARGETING KHUFF-C RESERVOIR AS PRIMARY TARGET. THE WELL WILL BE COMPLETED WITH 15K CEMENTED LINER OR 15K MSF.

#### ===== ARAMCO PERSONNEL =====

> ARAMCO RIG CLERK, MUHAMMED USMAN #8545531, ON LOCATION SINCE 06/20/2022

> ARAMCO NEW FOREMAN, MOSAED ALHARBI #793051, ON LOCATION FR 02/20/2023

> ARAMCO MATERIAL CONTROLLER, MAHDI ALI ALASLOUMI #816134, ON LOCATION SINCE 02/20/2023

#### ===== SERVICE COMPANY PERSONNEL =====

> EMEC MUD ENGINEER

> SLB (MI-SWACO) DRYER SHAKER & SILO CREW

> SLB BARITE SILOS OPERATOR

> SPERRY SUN MWD

> SLB MUD LOGGER

> HLB WIRELINE CREW

> WFD CSG CREW

> TAQA SANJEL CMT CREW

> PACKERSPLUS LINER HANGER ENGINEER

#### ===== RENTAL TOOLS =====

> 4-3/4" COUGAR HMD JAR (S/N: DJ6-500-608) RECIEVED ON LOCATION SINCE 02/18/2023

#### ===== SAFETY & HSE FINDINGS STATUS =====

> FINDINGS STATUS RHSEI: ALL CLOSED, CEHA: ALL CLOSED, 3MCI: ALL CLOSED, WCI: ALL CLOSED

#### ===== MWD SENSOR OFFSET =====

> DIRECTIONAL = 45.08' & GAMMA = 40.35'

=====WELLSITE SERVICES=====

> VACUUM TANKER

> DRSS# 1003829462

> DOOR #: 1024, 1010, 1043

> PLATE #: 3138, 7338, 8803

=====NEXT WELL=====

> NEXT WELL: HRDH-2339 - LOCATION PROGRESS @ 85%

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS					
MUD DATA	Weight <b>86</b>	PCF <b>52 SEC</b>	Funnel Vis. <b>1.4</b>	Filtrate(WL) HTHP	Filtrate (WL) API	PV <b>17</b>	YP <b>14</b>	Electrical Stability <b>860</b>	Volts	3/6 RPM <b>7 / 8</b>	Gels Sec/Min <b>9 / 12</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>23000</b>						
	FL Temp <b>100</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>22</b>	Oil Vol. %	Solids Vol. % <b>61</b>	Sand Vol. % <b>17</b>	% LGS	MBT	Mud type	Water Well #									
	Weight <b>104</b>	PCF <b>52 SEC</b>	Funnel Vis. <b>1.4</b>	Filtrate(WL) HTHP	Filtrate (WL) API	PV <b>17</b>	YP <b>14</b>	Electrical Stability <b>860</b>	Volts	3/6 RPM <b>7 / 8</b>	Gels Sec/Min <b>8 / 12</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>23000</b>						
	FL Temp <b>100</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>22</b>	Oil Vol. %	Solids Vol. % <b>61</b>	Sand Vol. % <b>17</b>	% LGS	MBT	Mud type	Water Well #									
MUD TREATMENT	CAOH2 <b>16(55LB)</b>	CACO3-25 <b>16(55LB)</b>	CACO3-50 <b>24(55LB)</b>	STELSEALFN <b>24(55LB)</b>	STELSL50 <b>16(55LB)</b>	CARBOTROL <b>24(55LB)</b>	VG6 <b>4(55LB)</b>	S-PMUL <b>2(55GL)</b>	S-SMUL <b>1(55GL)</b>	MAXSHIELD <b>2(55GL)</b>	MRBL-M <b>1(2200L)</b>	BARITE <b>4(5000L)</b>								
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out									
	<b>9</b>	<b>M333</b>	<b>5.875</b>	<b>HTC</b>	<b>7916511</b>	<b>DD407</b>	<b>/ 3 X 14 / 0.451</b>	<b>11710</b>	<b>12225</b>											
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP				
							<b>17</b>	<b>150</b>	<b>1</b>	<b>1</b>	<b>CT</b>	<b>A</b>	<b>X</b>	<b>0</b>	<b>2500</b>	<b>270</b>	<b>192</b>	<b>1551.4</b>	<b>553.64</b>	<b>60</b>
DRILL STRING	Float	<b>Y</b>																		
	BHA Hrs:	<b>23.5</b>																		
	String Wt.	Pick Up	Slack Off		Rot. Torque			Jars: Serial #/Hrs			<b>23.5</b>		Shock	/	Mud	/				
	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #						
Miscellaneous	BOP Test		<b>02/21/2023</b>		BOP Drills		Wind		Sea		Weather		DSLTA		Safety Meeting					
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs			10.74/24 hrs					
Personnel and Services Information	COMPANY		RIG	SPS	RIG	EMC	BFL	CTC	SGR	RIG	ARM	MI2	OTH	ARM	HWP	WCR	PKP	SJC	Total <b>114</b>	
	CATEGORY		CTR G	DPDS	RIG	DFMS	FILT	JST	MLS	OTHR	OTHR	SCS	VAC	WSC	WLS	CSR	LHES	PCS		
	NO. OF PERSONS		15	2	36	2	5	0	4	18	3	12	4	2	5	2	1	3		
	OPERATING HRS.		0	12	24	24	12	12	12	0	24	12	10	24	12	0	0	0		
	ON LOCATION HRS.		24	24	24	24	24	0	24	24	24	24	24	24	24	12	12	12		
Trucks/Boats	Standby/Tankers																			
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS		Fuel- BBLS		Barite- SX		Bentonite - SX		Cement G- SX										
REPAIR ASAP	Instrumentation		Other											Reporter						
	Computer, Communication & V-Sat Issues																			

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HRDH-2327 (MK-1 VERTICAL TO 200 FT INTO BUZA)</b> Charge (66- 22058-#: <b>2327</b> ) Wellbores: (0) HRDH_2327_0	Rig <b>T-303</b> Foreman(s) <b>MOSTAFA, MOHAMED MORAD/ KURBI, ABDULLAH SALEM/ ALKHATEEB ALJAAFARI, MOHAMMED ABDULAZIZ/ NAJIM, KHALID YOUSEF</b> Engineer Superintendent	THURAYA <b>008821677713909</b>	RIG FORMAN VSAT <b>0138765129</b>	OTHER VSAT <b>0138765132</b>	CONTRACTOR/CLERK VSAT <b>0138765178</b>
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Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>14219</b>	<b>PERFORM POSITIVE AND NEGATIVE TEST, POOH WITH SAMAA CO ASSY, RETRIEVE WEAR BUSHING.</b>	<b>JETTING BOP, M/U &amp; RIH W/SAMAA WBCO ASSY W /4-1/2" PACKER PLUS POLISH MILL, DRESSIN 4-1/2" TOL, CHC, DISP TO CLEAN WTR, PERFORM CSG PICKLING, WIPER TRIP, CIRC.</b>	<b>290 KM FROM DMG ON KHARKHEER HIGH WAY.</b>	<b>50.3</b> (01/07/2023@1730)	

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>14219</b>	<b>4 1/2</b>	<b>13366</b>	<b>14216</b>	<b>14213</b>	<b>9 5/8</b>	<b>10500</b>	<b>10498</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
00.8	0500 - 0545	0		N	CT	WBCO	WBCL	SAM	14219	14219			CLOSE BOP & PERFORM POSITIVE TEST FOR 4-1/2" TOL WITH 91 PCF TO 4050 PSI (EQUIVALENT TO 6,000 PSI WITH 70 PCF BRINE IN HOLE)- HOLD PRESS FOR 15 MIN. (GOOD TEST). BLEED OFF PRES VIA CHOKE. OPEN BOP. > PRESSURE UP IN STAGES OF 500 PSI, & BLEED OFF IN STAGES TO ZERO AFTER TEST.
01.0	0545 - 0645	0		N	CT	WBCO	WBCL	SAM	14219	14219			SET 9-5/8" SAMAA FSC PKR AT 7" TOL, CONFIRM SETTING W/60 KLBS S/O WT, CLOSE TOP RAM & TEST PKR ANNULUS SIDE TO 1000 PSI FOR 10 MIN, OK. BLEED-OFF PRESSURE & UNSET TEST PACKER. ALLOW PKR ELEMENT TO RETRACT FOR 30 MIN.
01.0	0645 - 0745	0		N	CT	WBCO	WBCL	SAM	14219	14219			HPJSM. SPACE OUT, R/U SURFACE LINES AND SES TEST ASSY (FOSV+SIDE ENTRY SUB+ FOSV+ PJ). P/T SURFACE LINES TO 5000 PSI-OK.
01.8	0745 - 0930	0		N	CT	WBCO	WBCL	SAM	14219	14219			DISPLACE STRING TILL 4-1/2" TOL W/ 238 BBLS WATER AT 3 BPM ,(FINAL DIFFERENTIAL PRESSURE 2900 PSI).
00.8	0930 - 1015	0		N	CT	WBCO	WBCL	SAM	14219	14219			WAIT 30 MIN FOR THERMAL EFFECT TAKE PLACE, SET SAMAA FSC PACKER WITH 60 KLBS S/O WT ON 7" TOL. BLEED-OFF STRING PRESSURE IN 500 PSI INCREMENT TO ZERO (CONFIRMED PACKER SET- ANNULUS STATIC).
04.5	1015 - 1445	0		N	CT	WBCO	WBCL	SAM	14219	14219			PERFORM NEGATIVE TEST FOR 7" & 4-1/2" TOL, OK. SEND TEST CHART TO ENG, OK.
00.8	1445 - 1530	0		N	CT	WBCO	WBCL	SAM	14219	14219			EQUALIZE STRING PRESSURE WITH 2900 PSI, P/U STRING & GRADULLAY UNSEAT 9-5/8" SAMAA FSC PACKER & ALLOW PKR ELEMENT TO RELAX FOR 30 MIN.
01.5	1530 - 1700	0		N	CT	WBCO	WBCL	SAM	14219	14219			CLOSE BOP, REVERSE CIRC OUT WATER TILL MUD ON SURFACE. MWT IN/OUT= 91 PCF.
00.8	1700 - 1745	0		N	CT	HT	PEL	RIG	14219	14219			DISCONNECT SURFACE LINE. L/D SES ASSEMBLY. CLEAR RIG FLOOR. FLOW CHECK - WELL STATIC. PUMP SLUG.
06.8	1745 - 0030	0		N	CT	TO	SPDP	RIG	14219	14219	14050	3861	POOH 3-5/8" C/O ASSY WITH SAMAA 9-5/8" FSC PKR ON 5-1/2" DP.
00.5	0030 - 0100	0		N	CT	WBCO	WBCL	SAM	14219	14219			POOH AND L/D 9-5/8" SAMAA C/O ASSY. > CHANGE HANDLING TOOLS TO 4".
01.2	0100 - 0215	0		N	CT	TO	SPDP	RIG	14219	14219	3823	784	POOH 3-5/8" SAMAA C/O ASSY ON 4" DP TO 2-7/8" TBG.
00.5	0215 - 0245	0		N	CT	HT	PEL	RIG	14219	14219			R/U ITS POWER TONG AND 2-7/8" HANDLING TOOLS.
01.5	0245 - 0415	0		N	CT	TO	BHA	RIG	14219	14219	784	0	POOH 3-5/8" C/O ASSY TO SURFACE. L/D BIT SUB & BIT.
00.8	0415 - 0500	0		N	WH	RTRV	WBSH	RIG	14219	14219			RETRIEVE WEAR BUSHING.

=====WELL OBJECTIVE=====

> HRDH-2327 PLANNED TO BE DRILLED AS MK-1 VERTICAL TO 200 FT INTO BUZA. BASED ON OH LOGS AND MDT RESULTS, THE WELL WILL BE COMPLETED ACROSS UNAYZAH-A WITH SAND-SCREENS OR 15K CEMENTED LINER.

=====ARAMCO PERSONNEL=====

> ARAMCO MATERIAL EXPEDITOR KHALID ALHARBI ID# 8510755 ON LOCATION SINCE 02/13/2023.

> ARAMCO MATERIAL EXPEDITOR ALI ALSULTAN ID #8519555 ON LOCATION SINCE 02/20/2023.

> PDP ABDULRAHMAN RGFAWI # 818383 ON LOCATION SINCE 02/17/2023.

> ARAMCO HSE TECH MUBARAK ALHUSSAIN #780385 ON LOCATION SINCE 02/20/2023.

=====SERVICE COMPANY PERSONNEL=====

> SLB CLOSED LOOP CREW AND EQMNT ON LOCATION.

> SLB BARITE SILO AND CREW ON LOCATION FROM 01/02/2023.

- > ITS CREW AND 2-7/8" EQU ON LOCATION FROM 02/24/2023 18:00.
- > PACKER PLUS LINER ENG ON LOCATION FROM 02/20/2023.
- > SAMAA CO CREW AND EQUIPMENT ON LOCATION FROM 02/24/2023.
- > BAROID FILTRATION CREW ON LOCATION FROM 02/25/2023.
- > BREDA WELLHEAD ENG ON LOCATION FROM 02/26/2023

===== RIG VISIT =====

===== RENTAL TOOLS =====

===== HSE =====

- > HSE SAFETY TOPIC: LIFE SAVING RULES.
- > DRILLS: 2X TRIP DRILL.
- > NEAR MISS ID: NONE.
- > ARAMCO HSE ALERTS: (22-23) & (23-23).

===== AUDIT FINDINGS =====

- > 1ST QTR CEHA AUDIT TOTAL FINDINGS: 54, CLOSED: 49, OPEN: 05.

===== VACUUM TANKERS =====

- > WORKING HOURS PER TRUCK = 10HRS.

===== NEXT WELL =====

- > HRDH-2535 READY 100%.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS																
MUD DATA	Weight <b>91</b> PCF	Funnel Vis. <b>53</b> SEC	Filtrate(WL) <b>1.2</b> HTHP	Filtrate (WL) API	PV <b>26</b>	YP <b>16</b>	Electrical Stability <b>700</b> Volts	3/6 RPM <b>8 / 9</b>	Gels Sec/Min <b>9 / 12</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>26000</b>																		
	FL Temp <b>80</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. % <b>0</b>	% LGS <b>9.05</b>	MBT <b>0</b>	Mud type <b>OBM</b>	Water Well # <b>HRDH-3508, HRDH-3535</b>																			
	Weight <b>91</b> PCF	Funnel Vis. <b>50</b> SEC	Filtrate(WL) <b>1.2</b> HTHP	Filtrate (WL) API	PV <b>26</b>	YP <b>16</b>	Electrical Stability <b>700</b> Volts	3/6 RPM <b>8 / 9</b>	Gels Sec/Min <b>9 / 12</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>26000</b>																		
	FL Temp <b>80</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. % <b>0</b>	% LGS <b>9.05</b>	MBT <b>0</b>	Mud type <b>OBM</b>	Water Well # <b>HRDH-3508, HRDH-3535</b>																			
MUD TREATMENT																														
BIT DATA																														
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #																
Miscellaneous	BOP Test <b>02/13/2023</b>	BOP Drills <b>02/13/2023</b>			Wind	Sea	Weather		DSLTA		Safety Meeting <b>DAILY</b>																			
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency		100%	Real-Time Hrs		<b>10.99/24 hrs</b>																	
Personnel and Services Information	COMPANY		ITS	OTH	RIG	EMC	PKP	RIG	ARM	MI3	ARM	SAM	BFL	GEI	Total <b>94</b>															
	CATEGORY		CSR	CTR G	RIG	DFMS	LHES	OTHR	OTHR	WMS	WSC	WBCS	FILT	ISPCT																
	NO. OF PERSONS		2	14	43	1	1	17	3	3	2	2	3	3																
	OPERATING HRS.		4	0	12	12	0	12	12	12	24	24	12	12																
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24																
Trucks/Boats	Standby/Tankers <b>AB-6303</b>																													
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>538</b>		Barite- SX <b>91</b>		Bentonite - SX <b>35</b>		Cement G- SX <b>250</b>																					
REPAIR ASAP	Instrumentation				Other										Reporter															
	Computer, Communication & V-Sat Issues																													
<b>RIG DESK TOP RADIO #RX454253 SENT TO IT FOR REPAIR.</b>																														

Date	Well No (Type) :	Rig	Foreman(s)	CUKACIOGLU, SALIH/ MESHAL, MOHAMMED	
MONDAY 02/27/2023	MNHz-221200 (MNHz-221200 IS A PART OF THE MUNAHAZ UNCONVENTIONAL MULTI-WELL APPRAISAL PROGRAM.)	T-514	Engineer	ABDULLAH/ MORRIS, SHANE ALLAN/ MOORE, JOSHUA SPENCER/ ABDULLATIF, ASHRAF AHMED/ ALHELAL, RAID ABDULLAH/ BIN LEBDAH, SALMAN FAISAL	
	Charge #: (85-22540-4205)	Superintendent		RIG FORMAN VSAT	CONTRACTOR/CLERK VSAT
	Wellbores: (1) MNHz_221200_1		THURAYA 8821677712970	5773516	CONTRACTOR/CLERK 5773542
				8078355	

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
16356	RAN 7" CASING W/BAKER LINER TO LANDING DEPTH, SET BAKER LINER HANGER.	CONT. SET BAKER LINER HANGER, CIRCULATE HOLE, CEMENT LINER, CIRCULATE HOLE & POOH, L/D BAKER LINER SETTING TOOLS. L/D EXCESSIVE 5-1/2" PIPE.	MNHz-221200	123.8 (10/26/2022 @ 1030)	BJDM 10600 57 FT TVD DEEPER SUDR 12019 06 FT TVD DEEPER KHFF 12767 SAME AS PROGRAM. KFAR 12804 02 FT TVD DEEPER KFBR 12910 02 FT TVD SHALLOWER KFCR 13499 11 FT TVD SHALLOWER KFDA 13790 53 FT TVD SHALLOWER BKDC 14185 25 FT TVD SHALLOWER UNYZ 14215 25 FT TVD SHALLOWER QUSB 14831 17 FT TVD DEEPER QBHS 15693 12 FT TVD SHALLOWER SARH 15713 16 FT TVD SHALLOWER

Prev. Depth	Liner Size	TOL	MD	TVd	Last Csg Size	MD	TVd	Footage	Circ %
16356			9 5/8	10628	10628			0	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
01.0	0500 - 0600	1	8 3/8	N	CSG	RCSG	CTRQ	WCR	16356	16356	5438	6172	RIH TOTAL 152 JOINT CASING AS FOLLOW: WEATHERFORD REAMER SHOE+ 2 X 7" 35# VM-110HCSS VAM TOP HC+ BAKER FLOAT COLLAR+ 4 X 7" 35# VM-110HCSS VAM TOP HC+ CROSS OVER CASING F/VAM TOP HC T/TENARIS BLUE+ 146 X 7" 35# TN-110HS TENARIS BLUE+ CROSS OVER CASING F/TENARIS BLUE T/VAM TOP HC. -> FILLED UP CASING EVERY 10 JOINTS.
00.2	0600 - 0615	1	8 3/8	N	CSG	PJSM	LINR	RIG	16356	16356			HELD PRE JOB SAFETY MEETING WITH RIG & BAKER LINER HANGER CREW. REVIEWED ALL RISKS & HAZARDS ABOUT P/U LINER HANGER. -> MEANWHILE MONITORED WELL THROUGH TRIP TANK. WELL STATIC.
00.2	0615 - 0630	1	8 3/8	N	CSG	HT	PEL	RIG	16356	16356			CHANGED CASING ELEVATOR & SLIP TO 5" ELEVATOR & SLIP.
00.2	0630 - 0645	1	8 3/8	N	CSG	RCSG	HGRL	BLH	16356	16356			P/U & RUN 7" BAKER LINER HANGER TOOL AS PER BAKER LINER HANGER TECHNICIAN.
03.0	0645 - 0945	1	8 3/8	N	CSG	CIRC	MPMP	RIG	16356	16356			CIRCULATED HOLE THROUGH LINER HANGER WITH 230 GPM FOR 1.5 VOLUME OF CASING VOLUME. 100% RETURNS WITH 113 PCF OBM.
04.5	0945 - 1415	1	8 3/8	N	CSG	RCSG	STRG	RIG	16356	16356	6238	10628	RIH 7" CASING & BAKER LINER HANGER ON STANDS OF 5-1/2" DP IN CASED HOLE WITH CONTROLLED SPEED AS PER BAKER LINER HANGER PROCEDURE. -> FILLED UP CASING STRING & BROKE CIRCULATION EVERY 10 STANDS AS PER BAKER LINER HANGER ENGINEER.
02.5	1415 - 1645	1	8 3/8	N	CSG	CIRC	MPMP	RIG	16356	16356			CIRCULATED AND CONDITION MUD, MONITOR PRESSURE AND MUD PROPERTIES, 100% RETURNS WITH 113 PCF OBM. -> PUMP PRESSURE FROM 2850 - 2900 PSI AT 6 BBL/MIN. -> COMPLETED PICK UP AND SLACK OFF WEIGHTS AS PER BAKER HANGER TECHNICIAN.
06.8	1645 - 2330	1	8 3/8	N	CSG	RCSG	STRG	RIG	16356	16356	10628	16353	RIH WITH BAKER LINER HANGER ON 5 1/2" DP IN OPEN HOLE AT CONTROLLED RATE. -> MONITOR WELL ON TRIP TANK. -> FILL UP EVERY 10 STDs.
03.0	2330 - 0230	1	8 3/8	N	CSG	CIRC	MPMP	RIG	16356	16356			CIRCULATED 1.5 X BOTTOMS UP. 100% RETURNS WITH 113 PCF OBM.
00.5	0230 - 0300	1	8 3/8	N	CSG	HT	PEL	RIG	16356	16356			HPJS, P/U & M/U BAKER LINER CEMENT HEAD. SPACED OUT OF CASING SHOE AS PER TALLY.
02.0	0300 - 0500	1	8 3/8	N	CSG	RCSG	HGRL	BLH	16356	16356			SET BAKER CONTROL SET LINER HANGER AS PER BAKER LINER TECHNICIAN. [ONGOING AT REPORT TIME].

#### =====WELL OBJECTIVE=====

MNHz-221200 IS A PART OF THE MUNAHAZ UNCONVENTIONAL MULTI-WELL APPRAISAL PROGRAM, WHICH WILL ASSESS THE EXTENT AND DELIVERABILITY OF THE ORDOVICIAN TIGHT SANDS IN THE NORTHERN PART OF THE AREA.  
 THE PROPOSED TOTAL DEPTH FOR THE VERTICAL PILOT WELL IS 16,800 FEET TVD/MD. THE WELL IS DESIGNED TO BE DRILLED AS A VERTICAL PILOT WITH SUBSEQUENT HORIZONTAL WELL INTO SARAH FORMATION WITH EFFECTIVE LATERAL LENGTH OF 4,000 FT.

=====JOURNEY MANAGEMENT &

**LOCATION-----**

CALL SSA-5914 RIG OFFICE AT 013-577-35-16. PRIOR TO TURNING SKID ROAD. PROVIDE TO ARAMCO OFFICE- NAME OF CO, NUMBER OF PERSONNEL, COLOR OF VEHICLE EMERGENCY CONTACT OF BASE PERSONNEL. \*\*\*NIGHT DRIVING IS NOT RECOMMENDED\*\*\*

=====JARS AND RENTAL TOOLS =====

**RENTAL TOOLS:**

NOV 6-1/2" HYDRO MECHANIC DRILLING JAR (SN#474-651604) XT-54 CONNECTION ON LOCATION SINCE 02/22/2023 AT 08:00 AM.  
FIRST LAID DOWN ON 02/25/2023 AT 08:00 AM.

=====ARAMCO PERSONNEL=====

ARAMCO RIG CLERK SARATH C PANEKATT #8531239 ON LOCATION SINCE 05/16/22.

ARAMCO FCT OSAM A.ALEYANY#796386 ON LOCATION SINCE 2/24/2023

=====MUD LOGGING REPORT=====

LITHOLOGY: NONE.

MAX FM GAS: NONE.

MIN FM GAS: NONE.

=====TRIP DATA=====

**TOTAL TRIP DISCREPANCY:**

-8 BBLS WHILE RIH 7" CASING STRING UNTIL REPORT TIME.

=====DIRECTIONAL DATA=====

**LAST SURVEY:**

MD: 16,261 FT, INC: 80.21 DEGREE, AZM: 4.8 DLS 8.56

PROJECTION ON BIT: MD: 16356 FT, INC: 90.15 DEGREE, AZM: 5.45 DEGREE

=====WELLSITE RENTAL EQUIPMENT =====

NONE.

=====DAILY SAFETY REPORT=====

STOP CARDS: 48 UNSAFE CONDITION, 24 UNSAFE ACTION, 18 SAFE ACTION.

DRILLS: 1X TRIP.

NEAR MISS: NONE.

SWA: 1

ALERT: NONE.

=====FUEL USAGE=====

DAILY FUEL CONSUMPTION: (MNHZ-221200)

RIG ENGINE: 21 BBLS, CAMP: 8 BBLS. TOTAL: 29 BBLS.

Remarks

**DRILLING ENGINEER ASHRAF AHMED ABDULLATIF (#281255) ON LOCATION SINCE 02/25/2023 TO WITNESS FOR 7" LINER & CEMENT OPERATION.**

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS							
<b>MUD DATA</b>																
MUD TREATMENT																
<b>BIT DATA</b>																
DRILL STRING																
Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #																
BOP Test <b>02/19/2023</b>		BOP Drills		Wind <b>SEASONAL</b>	Sea <b>NO</b>	Weather <b>SEASONAL</b>	DSLTA	Safety Meeting <b>2 X DAILY PRE TOUR MEETINGS, 1 X ARAMCO MEETING.</b>								
Miscellaneous		Real-Time Data Quality		Sensors Quality		44%	Data Frequency	64%	Real-Time Hrs	11.45/24 hrs						
Personnel and Services Information	COMPANY		WCR	OTH	BHI	RIG	GDF	NOJ	BLH	SGR	RIG	ARM	BCM	BRD	ARM	Total <b>107</b>
	CATEGORY		CSR	CTR G	DPDS	RIG	DFMS	JST	LHES	MLS	OTHR	OTHR	PCS	SCS	WSC	
	NO. OF PERSONS		6	15	2	40	2	0	2	4	18	3	10	1	4	
	OPERATING HRS.		3	0	24	24	24	0	24	24	12	12	24	12	24	
	ON LOCATION HRS.		24	24	24	24	24	0	24	24	24	24	24	24	24	
Trucks/Boats		Standby/Tankers														
<b>BULK</b>		Drill Wtr.-BBLS <b>1000</b>	Pot Wtr.- BBLS <b>386</b>	Fuel- BBLS <b>241</b>	Barite- SX <b>51</b>	Bentonite - SX <b>2650</b>	Cement G- SX									
REPAIR ASAP		Instrumentation		Other		Computer, Communication & V-Sat Issues		Reporter								

D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>RGHB-704 (DRILL AS OIL-EVALUATION/PRODUCER SINGLE LATERAL ACROSS BKFC, UNZA AND UNZB RESERVOIRS)</b> Charge #: <b>(66- 21044- 0704)</b> Wellbores: (1) RGHB_704_1	Rig T- <b>515</b> Foreman(s) <b>OWIS_OSMAN KAMAL/ ZEIDAN, FISAL AMIN/ MINDA BENALCAZAR, JUAN CARLOS/ HAQWI, MOHAMMED MOSA</b>
		Engineer Superintendent <b>THURAYA</b> <b>8821677713960</b> RIG FORMAN VSAT <b>5741738</b>

Depth	Last 24 hr operations			Next 24 hr plan			Location		Days Since Spud/Comm (Date)			Formation tops		
Prev. Depth	Liner Size	TOL	MD	MD	TVD	Last Csg Size	MD	TVD	Footage			Circ %		
<b>15500</b>	<b>CONT. M/U &amp; RIH WITH HALL. UPPER COMPLETION, DIESEL, STING-IN, SET TBG SET HALL. PKR, RELEASE SET TOOL, STING-OUT, SPACE-OUT, M/U TBG HGR, FEED PDHMS CABLE IN TBG HGR.</b>			<b>DISPLACE HOLE WITH HGR IN THS, P/T TBG &amp; TCA, S/L RIH &amp; SET HALL. MONOLOCK PLUG, INSTALL BPV IN TBG HGR, N/D BOP &amp; N/U X-TREE.</b>			<b>0.823 KM S56E OF RGHB-806 AND 3.338 KM S66W OF RGHB-1</b>		<b>133.1 (09/25/2022@1900)</b>			<b>KHFF 7222 EXACT</b>	<b>KFBR 7423 3' DEEPER</b>	<b>BKBR 7583 3' DEEPER</b>
<b>15500</b>	<b>7</b>	<b>6053</b>	<b>10941</b>	<b>8345</b>		<b>9 5/8</b>	<b>63556329</b>		<b>0</b>			<b>KFCR 7829 1' DEEPER</b>	<b>BKCR 8045 19' DEEPER</b>	<b>KFDA 8089 28' DEEPER</b>
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	LT TYPE	LT ID	Summary of Operations	
Start	End	Start	End											
<b>04.0</b>	<b>0500 - 0900</b>	<b>1</b>		<b>C</b>	<b>COMP</b>	<b>RPCS</b>	<b>UPSCO</b>	<b>ODJ</b>	<b>15500</b>	<b>15500</b>	<b>6348</b>	<b>7133</b>	<b>CONT'D P/U, M/U &amp; RIH IN CONTROLLED SPEED WITH HALL. UPPER COMPLETION ON 4-1/2" TBG (#12.6, L-80 N/VAM) T/ 7135' (174/174 JT'S). - TAGGED TPR INSIDE LOWER COMPLETION @ 7142'. - CHECKED PDHMS READING, OK.</b>	
<b>00.5</b>	<b>0900 - 0930</b>	<b>1</b>		<b>C</b>	<b>COMP</b>	<b>PJSM</b>	<b>TBG</b>	<b>RIG</b>	<b>15500</b>	<b>15500</b>			<b>HELD STAND-UP MEETINGS WITH NIGHT-SHIFT CREW, REVIEWED &amp; DISCUSSED: SAFETY PRECAUTIONS WITH SLICK LINE OPERATION.</b>	
<b>02.0</b>	<b>0930 - 1130</b>	<b>1</b>		<b>C</b>	<b>COMP</b>	<b>DTU</b>	<b>DRFT</b>	<b>GD1</b>	<b>15500</b>	<b>15500</b>			<b>HPJSM, R/U GDMC SLICK LINE LUBRICATOR &amp; BOPE, P/T SAME TO 1,500 PSI - OK, DRIFT UPPER COMPLETION STRING, POOH &amp; R/D GDMC SLICK LINE. - DRIFT 4-1/2" TBG W/ 3.875" DRIFT T/ 3500'.</b>	
<b>05.0</b>	<b>1130 - 1630</b>	<b>1</b>		<b>C</b>	<b>COMP</b>	<b>HT</b>	<b>PLUGN</b>	<b>GD1</b>	<b>15500</b>	<b>15500</b>			<b>HPJSM, GDMC SLICK LINE RUN &amp; SET PX PLUG IN LOWER XN-NIPPLE @ 7062' (3 RUNS). - P/T PLUG TO 500 PSI- OK</b>	
<b>00.8</b>	<b>1630 - 1715</b>	<b>1</b>		<b>C</b>	<b>COMP</b>	<b>PTST</b>	<b>MPMP</b>	<b>RIG</b>	<b>15500</b>	<b>15500</b>			<b>HPJSM, R/U SURFACE LINES, PRESSURE TEST SAME T/ 4000 PSI FOR 10 MINUTES, HOLD - OK.</b>	
<b>02.0</b>	<b>1715 - 1915</b>	<b>1</b>		<b>C</b>	<b>COMP</b>	<b>HT</b>	<b>TBG</b>	<b>RIG</b>	<b>15500</b>	<b>15500</b>		<b>TF</b>	<b>909603</b>	<b>DOWN TIME ON RIG T-515 DUE TO DELAY TO PREPARE &amp; ARRANGE REQUIRED CONNECTIONS FOR SETTING THE PKR.</b>
<b>00.5</b>	<b>1915 - 1945</b>	<b>1</b>		<b>C</b>	<b>COMP</b>	<b>PJSM</b>	<b>TBG</b>	<b>RIG</b>	<b>15500</b>	<b>15500</b>			<b>HELD STAND-UP MEETINGS WITH DAY-SHIFT CREW, REVIEWED &amp; DISCUSSED: SAFETY PRECAUTIONS WITH SLICK LINE OPERATION.</b>	
<b>00.5</b>	<b>1945 - 2015</b>	<b>1</b>		<b>C</b>	<b>COMP</b>	<b>RR</b>	<b>TDS</b>	<b>RIG</b>	<b>15500</b>	<b>15500</b>			<b>SERVICE TDS &amp; CHECKED FOR DROPPED OBJECTS.</b>	
<b>01.5</b>	<b>2015 - 2145</b>	<b>1</b>		<b>C</b>	<b>COMP</b>	<b>SET</b>	<b>PKR</b>	<b>HCO</b>	<b>15500</b>	<b>15500</b>	<b>6945</b>	<b>6945</b>		<b>HPJSM, SPACE-OUT TO HALL. PKR SETTING DEPTH @ 6947', PRESSURE UP TO 2200 PSI INSIDE TBG &amp; HOLD 5 MIN, S/O 35 KLBS &amp; CONTINUE PRESSURE UP TO 3500 PSI, HOLD 15 MIN, BLEED-OFF PRESSURE, PULL TO 10 KLBS O/P TO CONFIRM PKR SETTING, S/O TO NEUTRAL WEIGHT.</b>

## **Lost Time Details**

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
<b>27 Feb 1715 - 1915</b>	<b>2</b>	<b>2</b>	<b>909603</b>		<b>TF</b>	<b>XTTE</b>	<b>TESTT</b>	<b>RIG</b>	<b>15500</b>	<b>EXTRA TIME TO ARRANGE REQUIRED RIG TOOLS FOR SETTING PKR JOB.</b>

\* RGHB-704 WILL BE DRILLED AS A NEW DEVIATED EVALUATION/DELINEATION (EVPR) WELL ACROSS BKFC, UNZA AND UNZB RESERVOIRS.  
- THIS WELL IS NOT IN GAS CAP AREA & IN SHALLOW GAS AREA.

===== ERP =====  
- 1/2 LFL @ 450 M, RER 100 PPM @ 0 M & RER 30 PPM @ 0M.  
- UNAYZAH RESERVOIR GOR: 964 SCF/STB - H2S IS 0%.

===== ARAMCO PERSONNEL =====

- ARAMCO RIG CLERK SHAHUL HAMEED # 8090412 ON LOCATION SINCE 07/27/2022
- ARAMCO FCT MOHAMMED ALDURAYWISH # 765638 ON LOCATION SINCE 02/18/2023
- ARAMCO FOREMAN AHMED ALKHALDI #786318 ON LOCATION SINCE 02/21/2023

===== VISITORS =====

===== CREW SHORTAGE =====

===== SAFETY & DRILLS =====

\* PRE-TOUR SAFETY MEETINGS: 2, WEEKLY SAFETY MEETING: 2, STOP CARDS: 80, INC/NEAR MISS: 0, H2S DRILL: 1, PIT DRILL: 0, TRIP DRILL: 0, SPILL DRILL: 0, FIRE DRILL: 0, FIRE PUMP DRILL: 1, CONFINED SPACE RESCUE DRILL: 0, MAN LOST DRILL: 0, ACCUMULATOR DRILL: 0, VERTICAL RESCUE DRILL: 0.

## \* SAFETY TOPICS DISCUSSED:

**- ENSURE THE SAFETY PIN INSTALLED PROPERLY TO THE SINGLE JOINT ELEVATOR.**

**- WHILE REMOVING THE THREAD PROTECTOR ENSURE TO STAY ABOVE THE TUBING FROM V-DOOR.**

**- ENSURE THE HES PDHMS CABLE NOT CONTACT WITH ANY OBJECT AND ENSURE WHILE SETTING THE SLIPS NOT GETTING DAMAGE CABLE.**

**- ENSURE THE CATWALK AREA, SLICK LINE, PDHMS AREA IS BARRICADED.**

**- ENSURE RIG FLOOR IS BARRICADED DURING SLICK LINE OPERATION & ONLY EMPLOYEES INVOLVED IN OPERATION STAY ON RIG FLOOR AT SAFE PLACE**

#### **- LINE OF FIRE HAZARDS**

#### - NO-GO ZONE & RED ZONE

-PREPARATION FOR RIG

#### -PREPARATION FOR RIG MOVE -SWA REINFORCEMENT

#### **-SWA REINFORCEMENT**

## **\* SAFETY ALERTS: 0.**

\* STOP WORK AUTHORITY: 0.

\* PERMITS TO WORK:

COLD WORK: 11, HOT WORK: 1, MAN RIDER: 1, CONFINED SPACE: 2, RADIOACTIVE PERMIT: 0, DIESEL TRANSFER PERMIT: 1, LIFTING PERSONAL PERMIT: 2, THIRD PARTY PERMIT: 4, ISOLATION: 4.

===== AUDIT =====

\* OE&CG INHOUSE AUDIT (02/16/2023): FINDINGS: 15, CLOSED: 10 & OPEN: 5.

\* 1ST QSI 2023 (01/07/2023): FINDINGS: 57, CLOSED: 54 & OPEN: 3.

\* WCI (09/11/2022): FINDINGS: 17, CLOSED: 17 & OPEN: 0.

\* PCI (09/11/2022): FINDINGS: 85, CLOSED: 85 & OPEN: 0.

\* INTERNAL HAZCOM AUDIT (12/16/2022): FINDINGS: 10, CLOSED: 10 & OPEN: 0.

===== LATERAL 0 =====

- L-0 DRILLED 12038' MD/8527' TVD, PBD: 8250' MD (PROJECTED SURVEY AT 12038' INC: 80.2, AZI: 282.00. 42' TVD IN PUZU FORMATION).

===== LATERAL 1 =====

- L-1 BOTTOM OF 7" WHIPSTOCK 7447', TOW 7425', BOW 7435'.

- WHIPSTOCK INFORMATION: WIS 7" RETRIEVABLE LONG TRACKMASTER WHIPSTOCK, S/N OSC126390A.

===== RENTAL TOOLS =====

===== TANKERS =====

- RECEIVED 2 FRAC TANKS FROM MI-SWACO ON 02/07/2023.

- 2 VACUUM TANKERS (GECAT) ON LOC. DRSS# 1003832864, 02/26/2023, PLATE# 4263, 7928 PERFORMED ONE TRIP.

===== FLOW METER =====

- WATER WELL: RGHB-806 IS WITHIN 1.5 KM.

- RECEIVED FLOW METER SN#A21034670 ON 8/05/2022.

===== ARAMCO VEHICLE ETC =====

- ARAMCO VEHICLE (DH-7520) SERVICED ON THE 26 FEBRUARY 2023, NEXT SERVICE DUE ON 26 APRIL 2023

- CURRENT LOCATION RGHB-704 IS OUTSIDE THE RADIO COVERAGE.

===== WELLSITE SUPPORT=====

- NEXT WELL: RGHB-104 (READY).

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS
MUD DATA	Weight 88 PCF	Funnel Vis. <b>26 SEC</b>	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability 0 Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>			
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>97</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>3</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>CACLBR</b>	Water Well # <b>RGHB-806</b>				
	Weight 88 PCF	Funnel Vis. <b>26 SEC</b>	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability 0 Volts	3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>			
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>97</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>3</b>	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>CACLBR</b>	Water Well # <b>RGHB-806</b>				
MUD TREATMENT															
BIT DATA															
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #	
Miscellaneous	BOP Test <b>02/16/2023</b>	BOP Drills <b>03/09/2023</b>		Wind <b>NORMAL</b>	Sea <b>N/A</b>	Weather <b>SEASONAL</b>		DSLTA <b>4119</b>	Safety Meeting <b>2 X SAFETY MEETING DAILY.</b>						
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency		100%	Real-Time Hrs		<b>11.49/24 hrs</b>		
Personnel and Services Information	COMPANY		OCS	OTH	HCO	RIG	SMI	RIG	ARM	OTH	GD1	ARM	CAM	HCB	GEP
	CATEGORY		CSR	CTRG	PSSC	RIG	DFMS	OTHR	OTHR	RENT	SLS	WSC	WHES	BRCR	WHES
	NO. OF PERSONS		4	17	5	45	1	18	2	1	3	3	1	2	2
	OPERATING HRS.		12	0	24	24	12	12	12	24	24	24	12	0	12
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers <b>DH-7520</b>														
BULK	Drill Wtr.-BBLS <b>2000</b>	Pot Wtr.- BBLS <b>400</b>	Fuel- BBLS <b>543</b>	Barite- SX <b>197</b>	Bentonite - SX <b>201</b>	Cement G- SX <b>900</b>									
REPAIR ASAP	Instrumentation	Other Computer, Communication & V-Sat Issues													Reporter

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Date	MONDAY 02/27/2023	Well No (Type) :	NJYN-98 (MK-1 HORIZONTAL ACROSS UNZA RESERVOIR)	Rig	Foreman(s) Engineer Superintendent	ZEDAN, MAGDY ABDELFATTAH/ MAHZARI, MOHAMMED MUTIEB/ ABDUL GHAFOOR, ABDUL RAHMAAN/ NAJIM, KHALID YOUSEF
Charge #:	(66- 22535- 0098)	井位号:	(0) NJYN_98_0	THURAYA 8821677712514 577-3550	RIG FORMAN VSAT FAX VSAT CONTRACTOR/CLERK VSAT	880-5797 577-9305 ARAMCO CLERK 880-5796 TP OFFICE

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
7220	RIH & TAG TOC. CRIC & P/T CSG, DISPLACEMENT, D/O SHOE TRACK, PERFORM FIT AND COMMENCE ROT DRILL 12" HOLE TO 7220 FT.	CONT' ROT DRILL 12" HOLE TO +/- 10,801'. CIRC. DROP GYRO. POOH	294 KM FROM DH M.G. KHARKHIR ROAD ,THEN TAKE MDRK ROAD	16.9 (02/10/2023 @0700)	ARUM 1895 113" SHALLOWER LAMS 2570 116" SHALLOWER AHMD 3435 1' DEEPER SFNY 4160 32' DEEPER SHUB 5050 36' SHALLOWER BYDH 5425 145' DEEPER MDTM 6450 11' SHALLOWER

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
6500			13 3/8	6495	6495			720	100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations			
									Start	End				
00.5	0500 - 0530 0	16	N	DRLG	TI	STDP	RIG		6500	6500	5707	6230	CONT. RIH W/ 12" BHA ON 5-1/2" DRILL PIPE TO 6230'	
00.2	0530 - 0545 0	16	N	DRLG	RW	BIT	RIG		6500	6500	6230	6240	CONNECT TDS. FILL STRING. PRECAUTIONARY WASH DN & TAG TOC @6240'.	
01.0	0545 - 0645 0	16	N	DRLG	PTST	MPMP	RIG		6500	6500			CIRC HOLE CLEAN PRIOR PT CSG. PT 13-3/8" CSG TO 1000 PSI WITH WATER - HOLD PRESSURE FOR 10 MINS. (GOOD TEST).	
07.8	0645 - 1430 0	16	N	DRLG	DFS	TDS	RIG		6500	6500	6240	6500	DRILL OUT CMT, L/C, HARD CMT, F/C, SHOE & RAT HOLE TO BTM @ 6500' W/ WATER. > L/C @ 6362', F/C @ 6405', SHOE @ 6493'	
00.8	1430 - 1515 0	16	N	DRLG	D	TDS	RIG		6500	6510			PUMP HI-VIS AND DISPLACE TO 67 PCF NACL POLYMER MUD WHILE DRILLING 10' OF NEW FORMATION.	
00.5	1515 - 1545 0	16	N	DRLG	CIRC	MPMP	RIG		6510	6510			PUMP HI-VIS SWEEP AND CIRC. HOLE CLEAN.	
01.0	1545 - 1645 0	16	N	DRLG	PTST	MPMP	RIG		6510	6510			POSITION BIT INSIDE CSG. CLOSE PIPE RAMS, PERFORM FIT TO 120 PCF EMW W/ 67 PCF MUD TO 2400 PSI- HOLD PRESS FOR 10 MINS (GOOD TEST).	
12.2	1645 - 0500 0	16	N	DRLG	D	TDS	RIG		6510	7220			ROTARY DRILL 12" HOLE TO 10,801' WITH 67 PCF NACL POLYMER MUD & FULL RETURN. ONGOING... > DRILL WITH CONTROL PARAMETERS UNTIL ALL REAMERS OUT OF CSG. > SWEEP HOLE WITH 50 BBLS HVP EVERY 45' DRILLED. > REAM& BACK REAM- EVERY STAND. > TREAT MUD AS PER PROGRAM.	

NJYN-98 IS PLANNED TO BE DRILLED AS A HORIZONTAL MK-1 WELL TARGETING UNYZA RESERVOIR. THE WELL WILL BE COMPLETED WITH CONVENTIONAL SAND SCREENS.

=====HSE=====

> IMPLEMENTING CLOSED LOOP DRILLING PRACTICE.

> DRILLS: H2S + PIT AND TRIP DRILLS

> NEAR MISS: NONE.

> HSE ALERTS: HAND INJURY WHILE USING IRON ROUGHNECK

> DAILY OBSERVATIONS: 80

> 1ST QTR 3MCI AUDIT 2023 TOTAL FINDINGS:27, CLOSED: 22, OPEN: 05.

=====ARAMCO PERSONNEL=====

> ARAMCO MATERIAL EXPEDITOR FAHED AL ANAZI # 8455577 ON LOCATION SINCE 02/13/2023.

> ARAMCO MATERIAL EXPEDITOR ABDULELAH ALAWAD #8502925 ON LOCATION SINCE ON 2/20/2023.

> ARAMCO HSE TECH MOHAMED ALGHAMDI #787996 ON LOCATION SINCE ON 02/13/2023.

> ARAMCO PDP IBRAHIM ALANAZI #815242 ON LOCATION 2/17/2023.

=====

STAGING AREA (1): E 317674.526, N 2630099.784.

STAGING AREA (2): E 318322.279, N 2630396.719.

RELIEF WELL: E= 317329.66 ; N: 2631807.27

=====DIRECTION PLAN=====

=====SERVICE COMPANY PERSONNEL=====

=====RENTAL TOOLS=====

> SLB 8-1/2" HYDRO MECHANICAL JAR SN: 46281J ON LOCATION SINCE 02/24/2023 @ 15:00 HRS.

=====WELLSITE SERVICES=====

=====RIG VISITS=====

=====NOTES=====

=====JOURNEY MANAGEMENT=====

> RIG LOCATION DIRECTIONS: 294 KM FROM DH M.G. KHARKHIR ROAD, THEN TAKE MDRK ROAD

=====NEXT WELL=====

> NEXT MDRK-86-UNDER CONSTRUCTION 90%

Remarks

Lateral	Survey MD		Angle		Azimuth		CLength		TVD		N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
	Weight 67 PCF	Funnel Vis. 66 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 18	YP 22	Electrical Stability 0 Volts	3/6 RPM 7 / 8	Gels Sec/Min 8 / 10	PH 9.5	CA PPM 80	CL PPM 9000				
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #					

MUD DATA	120	0	1	95	0	5	0	0	10	NCPOL	MDRK-819, MDRK-815					
	Weight 63 PCF	Funnel Vis. 27 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 0	YP 0	Electrical Stability 0 Volts	3/6 RPM 0 / 0	Gels Sec/Min 0 / 0	PH 7	CA PPM 80					
	FL Temp 0	Cake HTHP 0	Cake API 0	Water Vol. % 100	Oil Vol. % 0	Solids Vol. % 0	Sand Vol. % 0	% LGS 0	MBT 0	Mud type WATER	Water Well # MDRK-819, MDRK-815					
MUD TREATMENT	XC 8(50LB)	HYSTAR-P 25(55LB)	CAUST 1(55LB)	MRBL-M 2(2200L)	ARC-FIBER-C 90(25LB)	BENT 1(2200L)	S-SEAL C 80(40LB)	PACL 5(50LB)	ARC-FIBER-M 132(25LB)	MICA-FINE 80(55LB)	MICA-CRSE 80(55LB)					
BIT DATA	Bit Number 5	IADC M423	Size 12	Manufacturer ULTR	Serial Number 60225	Type SPL716 / 10 X 14 / 4 X 16 / 2.289	Jets 6500	TFA 7220	MD In	MD Out	TVD Out					
	Feet 45	Hours 140	WOB	RPM	I-Row	O-Row	DC	Loc B	Pressure GPM	Jet Vel DP Av	DC Av	Bit HHP 92				
DRILL STRING	Float Y															
	BHA Hrs:															
	String Wt.	Pick Up	Slack Off	Rot. Torque				Jars: Serial #/Hrs	/	Shock Sub:	/ 22	Mud Motor:				
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	1	Bit			ULTR	12	1	12	0	1.35	6 5/8R					60225
	2	Near Bit Roller Reamer			RIG	12	1	12	2.875	7.5	6 5/8R					GU5156
	3	Drillcollar			RIG	8.5	1	8.5	2.875	29.88	6 5/8R					GU5154
	4	String Reamer			RIG	12	1	12	2.875	7.07	6 5/8R					
	5	Drillcollar			RIG	8.5	1	8.5	2.875	30.23	6 5/8R					6 5/8R
	6	String Reamer			RIG	12	1	12	2.875	8.86	6 5/8R					17
	7	Drillcollar			RIG	8.5	15	8.5	2.875	453.73	6 5/8R					
	8	Hydraulic Jar			SJS	8.5	1	8.5	2.875	32.6	6 5/8R					46287J
	9	Drillcollar			RIG	8.5	2	8.5	2.875	57.83	6 5/8R					6 5/8R
	10	Crossover			RIG	8.5	1	8.5	2.875	2.58	6 5/8FH					21-0812-2
	11	Heavy Weight Drillpipe (HWDP)			RIG	6.625	6	6.625	4.5	183.65	6 5/8FH					6 5/8FH
	12	Crossover			RIG	8.25	1	8.25	2.875	2.56	6 5/8FH					6 5/8R
	13	Heavy Weight Drillpipe (HWDP)			RIG	5.5	9	5.5	3.25	275.52	XT-54					XT-54
	14	Drillpipe			RIG	5.5	1	5.5	4.67	30	XT-54					XT-54
Miscellaneous	BOP Test 02/17/2023	BOP Drills			Wind N/A	Sea	Weather NORMAL	DSLTA			Safety Meeting DAILY & PRE TOUR					
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs		10.74/24 hrs		
Personnel and Services Information	COMPANY	ULT	RIG	RIG	OES	PW	SGR	RIG	ARM	OCT	MI2	ARM			Total 94	
	CATEGORY	BITS	CTR G	RIG	DFMS	ISPCT	MLS	OTHR	OTHR	PCS	SCS	WSC				
	NO. OF PERSONS	1	13	42	2	4	2	14	4	1	9	2				
	OPERATING HRS.	12	0	24	12	12	12	12	12	0	12	12				
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24				
Trucks/Boats	Standby/Tankers AB6309															
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS		Fuel- BBLS 550		Barite- SX 210		Bentonite - SX 42		Cement G- SX 0						
REPAIR ASAP	Instrumentation	Other													Reporter	
	Computer, Communication & V-Sat Issues															

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>JABU-1 (EXPLORATION WELL)</b> Charge (75- 20831- #: 0001) Wellbores: (0) JABU_1_0	Rig <b>T- 520</b> Foreman(s) <b>ATOUSSI, YACINE/ ALRASHEEDI, RAKAAN AWAAD/</b> Engineer <b>MOUSA, FAWAZ NASSER/</b> Superintendent <b>SHAIJI, OMAR ADNAN</b>
		THURAYA   RIG VSAT FORMAN 577-9390 OTHER VSAT 577-9378 CONTRACTOR/CLERK VSAT 577-9392

Depth <b>0</b>	Last 24 hr operations <b>RIG UP ON JABU-1, PRE-408 KM F/DMG: RIGHT 159 KM AFTER SPUD RIG ON ACCAPTAENCE CHECKS.</b>	Next 24 hr plan <b>NAIRYAH, RIGHT 3 KM, LEFT 2 KM ONTO SKID ROAD (SKID 105KM)</b>	Location	Days Since Spud/Comm (Date) <b>0.0 (@)</b>	Formation tops				
Prev. Depth <b>0</b>	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage <b>0</b>	Circ %
Summary of Operations									

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth			
									Start	End	Start	End	
24.0	0500 - 0500	0		M	RM	RM	NA	RIG	0	0			<b>HELD PRE-JOB SAFETY MEETING. ENFORCE SAFATEY ON CRITICAL LIFTING, WORKING AT HEIGHTS AND STOP WORK AUTHORITY.</b>  <b>R/U ON WELL JABU-1</b> - R/D 100%, R/M 100%, R/U 95%. - SPOT CHOKE MANIFOLD AND CONNECT LINES TO POORBOY DEGASSER AND TRIP TANK. IN PROGRESS - SPOT CATWALK AND V-DOOR IN PLACE. - RE BUILDING SLIPS, TONGS AND HANDLING TOOLS AFTER INSPECTION. - ALL H2S ALARMS CALIBRATED & FUNCTION TESTED - OK. - CALIBRATE, RE SET AND FUNCTION CROWN AND FLOOR SAVER. - PICK UP AND RACK BACK 5-1/2" DP. - BUILD 2000 BBL SPUD MUD. - GEOSERVICE RIG UP MUD LOGGING UNIT.

JABU-1 IS A WILDCAT OIL EXPLORATION WELL. IT IS PLANNED TO BE DRILLED VERTICALLY TO 15,787 FT TVD (150 FT INTO DHRUMA SHALE). THE WELL WILL BE DRILLED TO EVALUATE THE HYDROCARBON POTENTIAL OF GOTNIA RESERVOIR (ABCR EQUIVALENT) AS PRIMARY TARGET. ALSO, HITH & DHRM (FARIDAH) WILL BE EVALUATED AS SECONDARY TARGET.

\*JOURNEY MANAGEMENT: FROM DMM TRAVEL NORTH ON HIGH-WAY-85 TO NAIRYAH, TRAVEL 161 KM ON HIGH-WAY 85 AL-JUBAIL TO AL-BATIN GAS STATION (BEFORE AL-SADAWI), TURN RIGHT AT SIGN BOARD JUST BEFORE GAS STATION, DRIVE 11.5 KM ON HIGH-WAY 6379, TURN LEFT AT SIGN BOARD ONTO SKID ROAD FOR 105 KM TO RIG SITE. MINIMAL TO NO CELL SIGNAL ALONG SKID ROAD. ENSURE GAS AND WATER ARE FULL BEFORE LEAVING GAS SATION, CALL FOREMAN OR CLERK PRIOR TO SKID ROAD AT 013-577-9390/013-577-9378

\*\*\* CASING SETTING DEPTHS \*\*\*

DRILL 34" HOLE TO 200'. ACTUAL XX'.

DRILL 28" HOLE TO 1,629'[50' INTO RUS] ACTUAL XX'.

DRILL 22" HOLE TO 4,778'[50' INTO LAMS] ACTUAL -XX'

DRILL 16" HOLE TO 7,644'[50' INTO AHMADI] ACTUAL -XX'

DRILL 12" HOLE TO 13,840'[30' INTO ANHYDRITE BODY ABOVE ARBB SALT] - ACTUAL - XX'

DRILL 8-3/8" HOLE TO 14,678'[20' INTO BASE SALT #3]. ACTUAL -XX'

DRILL 5-7/8" HOLE TO 15,787'[150' INTO DHRUMA SHALE]. ACTUAL: XX'

- ARAMCO MATERIAL EXPEDITOR: AHMED ALKHALAF # 816179 ON LOCATION

- ARAMCO EDD HSE ADVISOR: LAMARI ETTAYIB KAMALEDINE # 8302189 ON LOCATION

- ARAMCO EDD SAFETY FCT ABDULRAHMAN ALBISHI #790987, ON LOCATION

- ARAMCO FOREMAN ANAS ALASLANI #812670, ON LOCATION

- ARAMCO GEOLOGY MURTADA ALBRAHIM #786224 ON LOCATION

- ARAMCO GEOLOGY FAISAL ALRASHDI #768928 ON LOCATION

\* HSE ALERT:

\* DAILY DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP): 23 BBLS, CUMULATIVE DIESEL CONSUMPTION PER WELL JABU -1 (RIG+CAMP) = 290 BBL.

NEXT WELL: MGRB-4.

- WELL CHARGE NUMBER: .

- APPROVED DRILLING PROGRAM AND ERP AVAILABLE: NO.

- LOCATION PROGRESS:

- WATER WELL:

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS					
MUD DATA														
MUD TREATMENT														
BIT DATA														
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
Miscellaneous	BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting	<b>2 X SAFETY TOUR MEETING</b>						
Real-Time Data Quality														
Personnel and Services Information	COMPANY	RIG	RIG	EMC	SGR	ARM	HCM	OTH	ARM	ITS				
	CATEGORY	CTR G	RIG	DFMS	MLS	OTHR	PCS	VAC	WSC	CSR				
	NO. OF PERSONS	16	58	1	4	5	3	1	3	2			Total <b>93</b>	
	OPERATING HRS.	0	24	12	24	12	0	10	24	0				
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24				
Trucks/Boats	Standby/Tankers													
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>63</b>	Barite- SX	Bentonite - SX	Cement G- SX <b>4400</b>								
REPAIR ASAP	Instrumentation	Computer, Communication & V-Sat Issues	Other										Reporter	
<b>- ARAMCO FOREMAN SFP ADAPTOR NOT WORKING</b>														

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		Date <b>MONDAY</b> 02/27/2023	Well No (Type) : <b>QTIF-367</b> (SIDETRACK & DRILL A DUAL LATERAL ACROSS ABDR RESERVOIR) Charge #: (71-22012-0367) Wellbores: (0-1-1-1-1) QTIF_367_4	Rig <b>T-529</b>	Foreman(s) <b>GONIE, NORMAN WILLIAM/ RAJHI ABDULLAH SALEH/ ALDAWSARI, NASSER JUWAYYAN/ MOHAMED, ESSAM MAHMOUD/ ALQAHTANI, SAUD ABDULLAH/ ALSHEIKH, MOHAMMED HUSSAM/ AKBAR, HUSSAIN QASSIM</b> Engineer Superintendent	<b>THURAYA</b> 8821677712353	RIG FORMAN VSAT <b>3786056</b>	CONTRACTOR/CLERK VSAT <b>3786057</b>
Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops			
12199	DRILL 6-1/8" L-0-1-1-1 WITH RSS/LWD/PFT ASSY, SHORT WIPER TRIP.	DRILL 6-1/8" L-0-1-1-1 WITH RSS/LWD/PFT ASSY TO TD @ +/- 16,169 FT.	SITE P-21 (39 KM FROM DH GATE), SOUTH DOME, WEST FLANK	94.2 (11/25/2022@0000)	SULY 6798 5,864 FT TVD MNFR 7575 6,358 FT TVD HITH 7658 6,410 FT TVD ARAB 8296 6,760 FT TVD ABAR 8337 6,777 FT TVD BAAR 8415 6806 FT TVD ABBR 8486 6832 FT TVD BABR 8601 6872 FT TVD ABCR 8732 6913 FT TVD BACR 9177 7041 FT TVD AD2B 9691 7112 FT TVD AD1B 9691 7094 FT TVD AD3B 10263 7133 FT TVD			

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %	98
<b>11535</b>			<b>7</b>	<b>6910</b>	<b>5930</b>			<b>664</b>		

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations
									Start	End	
15.8	0500 - 2045	0-1-1-1	6 1/8	N	DRLG	D	RSS	WDS	11535	12199	DRILL 6-1/8" L-0-1-1-1 WITH WEATHERFORD RSS/LWD BHA WITH 86 PCF WBM. - PUMP TANDEM PILLS AS REQUIRED - ROP WITH CONNECTIONS & NO PRESSURE POINTS = 43 FPH - ON BOTTOM ROP WITHOUT CONNECTIONS = 54 FPH - ROP WITH CONNECTIONS AND PRESSURE POINTS = 34 FPH - ACTUAL WELL PATH: 2.25 FT LEFT AND 2.11 BELOW PLAN.
03.5	2045 - 0015	0-1-1-1	6 1/8	N	DRLG	OTH	NA	WDS	12199	12199	WEATHERFORD RECORD PRESSURE POINT (ARAB-D RESERVOIR) AS PER GOC. PERFORM STICKY TEST FOR 5 - 10 MIN PRIOR TO PRESSURE POINT: #49 @ 11595 FT FOR 20 MIN #50 @ 11547 FT FOR 18 MIN #51 @ 11799 FT FOR 18 MIN #52 @ 11749 FT FOR 34 MIN #53 @ 11915 FT FOR 23 MIN #54 @ 11935 FT FOR 23 MIN #55 @ 12080 FT FOR 33 MIN #56 @ 12132 FT FOR 46 MIN
02.0	0015 - 0215	0-1-1-1	6 1/8	N	DRLG	CIRC	MPMP	RIG	12199	12199	PUMP SWEEP AND CIRCULATE HOLE CLEAN WITH 86 PCF WBM WITH 5 BPH LOSSES - FLOW CHECK AT BOTTOM, WELL STATIC.
00.8	0215 - 0300	0-1-1-1	6 1/8	N	DRLG	TO	STDP	RIG	12199	12199	12199 11850 PULL OUT WITH WEATHERFORD RSS/LWD ASSEMBLY FOR SHORT WIPER TRIP AND TO EVALUATE WEATHERFORD PRESSURE POINT TOOL - ENCOUNTER TIGHT SPOT AT 11850 FT - MONITOR WELL THROUGH TRIP TANKS, WELL STATIC.
01.2	0300 - 0415	0-1-1-1	6 1/8	N	DRLG	CIRC	MPMP	RIG	12199	12199	RUN ONE STAND, PUMP SWEEP AND CIRCULATE HOLE CLEAN WITH HIGH FLOW RATE. - FLOW CHECK, WELL STATIC.
00.2	0415 - 0430	0-1-1-1	6 1/8	N	DRLG	TO	STDP	RIG	12199	12199	11850 11600 PULL OUT WITH WEATHERFORD RSS/LWD ASSEMBLY - MONITOR WELL THROUGH TRIP TANKS, WELL STATIC.

ODF: 31

SSA-29 DF: 29

ODF CORRECTION: +2

===== ARAMCO PERSONNEL ON LOCATION =====

> RIG MATERIAL EXPEDITOR NASSER ALHAJRI #8106599 ON LOCATION SINCE 02/20/2023

> FCT ABDULLAH, ALABDULHAY #796713 ON LOCATION SINCE 2/13/2023.

===== SIMOPS =====

> RESTART QTIF-370 & QTIF-374 ON 01/27/23 13:00 HRS PRODUCING +/- 8000 BPD - TOTAL TO DATE = +/- 320,000 BBL

> FUNCTION TEST ESD SYSTEM ON 1/26/2023.

===== ERP EQUIPMENT & CONTINGENCY PLAN =====

- ALMANSOORI H20 ON LOCATION 23-JUL-2022 @ 12:00.

- FIREFLY UNIT ON LOCATION SINCE 22 NOV-2022 @ 21:00.

- ALMANSOORI H2S FOR SIMOP ON LOCATION 05-DEC-2022 @ 08:00

===== STAGING AREAS =====

- QTIF-367 WELL, LOCATED STAGING AREA:

#1 (1.28 KM EAST OF LOCATION, COORDINATES: 26.5200230, 49.9627123)

#2 (1.15 KM NORTH WEST OF LOCATION, COORDINATES: 26.5250071, 49.939324).

===== NEXT LOCATION =====

> QTIF-369 KOM 09/11/22, FIELD SERVICES: 100%, WELLSITE: 100%

> QTIF-368 KOM 09/11/22, FIELD SERVICES: 100%, WELLSITE: 100%

> QTIF-671 KOM 04/18/22, FIELD SERVICES: 0%, WELLSITE: 90%.

===== RENTAL TOOLS & EQUIPMENT =====

> 2 X SLB FRAC TANK LOCATION 27-NOV-2022.

> NESR DRILLING JAR SN# GE-DJ-00024 AT ON LOCATION SINCE 2/11/2023.

> SAMMA 4-3/4" PBL SUB SN#NOR475BP671 ON LOCATION SINCE 2/12/2023.

===== DRILLS, SLS & SAFETY TOPICS =====

> OBSERVATIONS SUBMITTED: 18.

===== INFORMATION FOR DISPATCHING GROUP=====

AJINAH RAW WATER TANKER #2751, ON LOCATION 01-SEP-2022.

AJINAH RAW WATER TANKER #6593, ON LOCATION 03-SEP-2022.

===== DIRECTIONAL DATA=====

- 7" TOW AT 6900 AND 7" BOW AT 6910'.

- SIDETRACK TO L-0-1-1-1 AT 7,430'.

- FOLLOWING DIRC PLAN-6 QTIF-367 L-0-1-1-1.

- SIDETRACK TO L-0-1-1-1-1 AT 10,070 FT

- FOLLOWING DIRC PLAN-8 QTIF-367 L-0-1-1-1-1.

- ACTUAL WELL PATH: 2.25 FT LEFT AND 2.11 BELOW PLAN.

- MMTR CONFIGURATION: 4.75" REVOLUTION RSS (POINT THE BIT) / (S/N: AK230110).

- SENSORS OFFSET (DISTANCE FROM BIT): NBI: 9.61 FT, NBG: 11.47 FT, DIR: 24.65, AZD: 43.36 FT, TNP: 51.36 FT, RES: 67.15 FT, FORM PRESS: 94.83, PRESS: 105.04 FT.

=====MUD DATA=====

LAST PPT TEST: (2500 PSI, 250 DEG F) 20:00 HR'S ON 02/26/2023.

- DISC SIZE 20 MICRON: PPT SPURT= 2.4 ML, PPT TOTAL = 15.2 ML.

Remarks

	Lateral	Survey MD		Angle	Azimuth		CLength		TVD		N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
0-1-1-1-1		12170		89.80	345.30		92		7188.49		4857.50		4249.55		5119.97	0.24
0-1-1-1-1		12078		89.80	345.08		94		7188.17		4768.55		4273.07		5031.02	1.39
0-1-1-1-1		11984		89.11	346.19		94		7187.27		4677.50		4296.39		4939.97	1.45
0-1-1-1-1		11890		89.93	347.28		94		7186.48		4586.01		4317.95		4848.48	2.26
0-1-1-1-1		11796		89.99	349.40		94		7186.42		4493.96		4336.95		4756.43	1.51
0-1-1-1-1		11702		89.80	347.99		94		7186.25		4401.78		4355.38		4664.25	0.44
0-1-1-1-1		11608		89.56	347.65		94		7185.72		4309.90		4375.21		4572.37	2.47
0-1-1-1-1		11514		89.25	345.35		95		7184.74		4218.51		4397.15		4480.98	1.09
MUD DATA	Weight 86 PCF	Funnel Vis. 55 SEC	Filtrate(WL) 13.6 HTHP	Filtrate (WL) API	PV 26	YP 24	Electrical Stability 0 Volts	3/6 RPM 5 / 6	Gels Sec/Min 5 / 7	PH 9.2	CA PPM 0	CL PPM 230000				
	FL Temp 150	Cake HTHP 1	Cake API 1	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type WBM-CAC	Water Well # QTIF-821					
	Weight 86 PCF	Funnel Vis. 47 SEC	Filtrate(WL) 14.4 HTHP	Filtrate (WL) API	PV 25	YP 21	Electrical Stability 0 Volts	3/6 RPM 4 / 5	Gels Sec/Min 4 / 6	PH 9.3	CA PPM 0	CL PPM 230000				
	FL Temp 150	Cake HTHP 1	Cake API 1	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type WBM-CAC	Water Well # QTIF-821					
MUD TREATMENT	CAC03-25 CAC03-50 FLO-TROL XCD 71(25LB) 17(25LB) 87(25KG) 23(50LB) 2(55LB)	CAOH2 CAACL2-80 S-SCAV S OXYGEN ODCA128 BCTRNL GEM-GP MRBL-F SOLFLK SOLFLKM 10(2200L) 36(50LB) 2(50LB) 4(55GL) 5(5GL) 28(2200L) 15(50LB) 16(50LB)														
	Bit Number 16RR	IADC Size M332 6.125	Manufacturer REED	Serial Number S297894	Type SKR613M1A / 3 X 14 / 0.451	Jets 10120	TFA 12199	MD In	MD Out	TVD Out						
BIT DATA	Fee Hours 15	WOB 110	RPM 2800	I-Row 270	O-Row 192	DC B 307.58	GPM 60	Loc DP Av	Bit HHP							
	Float Y	BHA Hrs: 24														
DRILL STRING	String Wt: 140	Pick Up 175	Slack Off 115	Rot. Torque 13000				Jars: Serial #/Hrs				/	Shock Sub:	/	Mud Motor:	/
	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
	1	Bit	REED	6.125	1	6.125	0.758	0.58	3-1/2" REG		0.046			S297894		
	2	Stabilizer	WDS	6.125	1	6.125	2	0.6	3-1/2" REG	3-1/2" REG	0			91282321111		
	3	RSS	WDS	6.125	1	6.105	1.246	18.07	3-1/2" IF	3-1/2" REG	0			AK230110		
	4	Logging While Drilling (LWD)	WDS	5.37	3	5.37	1.25	62.59	3-1/2" IF	3-1/2" IF	0			AK230109		
	5	PWD (Pressure while Drilling)	WDS	5.27	1	5.27	1.25	27.3	3-1/2" IF	3-1/2" IF	0			AK230113		
	6	Measurement While Drilling (MWD)	WDS	5.29	1	5.29	1.25	17.34	3-1/2" IF	3-1/2" IF	0			AK230108		
	7	Float Sub	WDS	4.75	1	4.75	2.438	2.77	3-1/2" IF	3-1/2" IF	0.059			9825923913		
	8	Filter Sub	WDS	4.75	2	4.75	2	2.85	3-1/2" IF	3-1/2" IF	0			16090498101		
	9	PBL (Multiple Activation By Pass)	SAM	4.75	1	4.75	2.125	7.79	3.5 if	3-1/2" IF				475BP341TS		
	10	Crossover	RIG	4.75	1	4.75	2	2.54	XT-39	3-1/2" IF	0					
	11	Heavy Weight Drillpipe (HWDP)	RIG	4	2	4	2.563	61.87	XT-39	XT-39	0					
	12	Hydraulic Jar	NPJ	4.75	1	4.75	2.25	31.2	3-1/2" IF	3-1/2" IF	0			GE-DJ-00020		
	13	Heavy Weight Drillpipe (HWDP)	RIG	4	3	4	2.563	93	XT-39	XT-39	3.424					
	14	Drillpipe	RIG	4	300	4	2.56	9438.36	XT-39	XT-39	104.571					
	15	Heavy Weight Drillpipe (HWDP)	RIG	4	18	4	2.563	548.83	XT-39	XT-39	20.542					
	16	Drillpipe	RIG	4	1	4	2.56	31	XT-39	XT-39						
Miscellaneous	BOP Test 02/20/2023	BOP Drills	Wind	Sea	Weather SEASONAL		DSLTA 4184	Safety Meeting EACH TOUR								
	Real-Time Data Quality	Sensors Quality	100%	Data Frequency	100%	Real-Time Hrs	10.99/24 hrs									
Personnel and Services Information	COMPANY	OTH	WDS	RIG	GDF	ASH	MH2	SGR	ARM	M12	SWF	ARM	SAM			
	CATEGORY	CTRG	DPDS	RIG	DFMS	FLD	H2S	MLS	OTHR	SCS	SFS	WSC	WBCS			
	NO. OF PERSONS	15	4	58	2	4	2	4	2	1	1	3	0			Total 96
	OPERATING HRS.	0	24	24	24	0	24	24	12	8	0	24	24			
Trucks/Boats	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24	0			
	Standby/Tankers	55 PASSENGER BUS	ARAMCO PICK UP # DH-4872	DIESEL FOR MUD: 553	GASOLINE 93									1 * RIG SSA-29 AMBULANCE		
BULK	Drill Wtr-BBLS	Pot Wtr- BBLS		Fuel- BBLS 368		Barite- SX		Bentonite - SX		Cement G- SX 750						
	Instrumentation													Other		Reporter
REPAIR ASAP	Computer, Communication & V-Sat Issues															
	PHONE NOT WORKING PROPERLY, WE CANNOT HEAR THE CALLERS AND THEY CANNOT HEAR US GOOD. VSAT AND INTERNET TOO SLOW CANNOT ACCESS E-LEARNING SITES AND CANNOT JOIN ANY SKYPE SEMINARS (EVEN THE ONES WE ARE SUPPOSED TO).															

Date	Well No (Type) :	Rig	Foreman(s)	MOHAMED, MAHMOUD ELSAYED TANTAWI/ AZIBANI, MUSTAPHA/ ZUBIDY, ABDULLAH AL/ SAAD, SAAD RASHED			
MONDAY 02/27/2023	ABJF-24 (SIDETRACK & DRILL PILOT HOLE & SINGLE LATERAL ACROSS ABD1)	T- 532	Engineer Superintendent	THURAYA	RIG FORMAN VSAT	OTHER VSAT	CONTRACTOR/CLERK VSAT +8821677712500 577-5494 FORMAN 807-3575 TOOLPUSHER 577-5477 CLERK
Charge (71-22087-#: 0024)	Wellbores: (0) ABJF_24_0						CONTRACTOR/CLERK VSAT 807-3577 RIG HSE OFFICER

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
14625	RIG UP ON ABJF-24, RIG MAINTENANCE	RIG UP ON ABJF-24, RUN ARAMCO PRE-ACCEPTANCE CHECK LIST, COMMENCE OPERATION ON ABJF-24.	314 KM FROM DAHRAN MAIN GATE	0.0 (@)	

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %	0
5667	7	9890	13718	13718	9 5/8	10277	10277	8958		

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Summary of Operations
Start	End	Start	End								
24.0	0500 - 0500	0		N	MAIN	OTH	NA	RIG	0	0	HPJSM W/ RIG CREW & ALL KEY PERSONNEL, CONTINUE R/U & RIG MAINTENANCE AS FOLLOWS:
<ul style="list-style-type: none"> <li>- R/U ON ABJF-24 : 98%.</li> <li>- RIG MOVE DISTANCE: 177.6 KM (8.6 KM SKID ROAD / 169 KM BLACK TOP).</li> <li>- RIG RELEASED ON 02/7/2023 @ 5:00 AM FROM WELL UTMN-658.</li> </ul>											
<p>&gt;&gt; RIG UP ACTIVITY:</p> <ul style="list-style-type: none"> <li>- P/U &amp; M/U 5" DP'S &amp; 5" HWDP &amp; RACK BACK IN DERRICK.</li> <li>- CONTINUE PERFORMING PLANNED MAINTENACE FOR RIG ENGINES.</li> <li>- R/U WATER PUMP AND WATER LINE FROM WATER PIT TO MUD SYSTEM.</li> <li>- CHANGED SHAKER SCREENS &amp; DRESS WITH NEW ONES.</li> <li>- DEEP CLEANING BOTH TRIP TANKS.</li> <li>- INSTALLED LINERS BELOW DITCHES.</li> <li>- FIXED TANK AGITATOR.</li> <li>- P/U 1 STD 6-1/4" DC AND CHECK ALIGNMENT WITH WELL HEAD, OK.</li> <li>- GENERAL R/U ACTIVITY MEANWHILE GO THROUGH PRE-SPUD CHECK LIST.</li> </ul>											
<p>&gt;&gt; RIG MAINTENANCE PLAN:</p> <ul style="list-style-type: none"> <li>- CONDUCT RIG ENGINES MAINTENANACE (ENGINE# 1 , ENGINE # 2 &amp; ENGINE #4) FOR REAR AND FRONT OIL LEAKAGE &amp; PREPARE FOR LOAD TEST.</li> <li>- CONDUCT 5 YEARS OVERHAUL MAINTENANCE FOR ENGINE #3.</li> <li>- ACCUMULATOR UNIT SERVICE &amp; RECERTIFICATION BOTTLES.</li> <li>- TRAVELING BLOCK HOOK CAT IV.</li> <li>- BOP ANNULAR END OF WELL SERVICE.</li> <li>- MONKEY BOARD , NDT-NDE / CASING STABING BOARD, NDT-NDE / CROWN BLOCK, SHEAVES-BEARING, CAT-III / DERRICK TRAVELING BLOCK, CAT-III/ TOP DRIVE SYSTEM, CAT-III, DRAWWORK, CAT-III/ ROTARY TABLE, CAT-III, / DEAD LINE ANCHOR, CAT-III/ HANDLING TOOLS, CAT-III, PIEPE SPINNER, CAT-III.</li> </ul>											

#### WELL OBJECTIVES

- DECOMPLET & LD KILL STRG, SECURE WELL, MAJOR WELL HEAD WORK, SET 9-5/8" WHIPSTOCK SIDETRACK 8-1/2" HOLE S-SHAPE TO TD @+- 7212', RUN MDT OPEN HOLE LOG, PLUG & ABANDON PILOT HOLE, KICK OFF & SIDE TRACK OPEN HOLE CURVE SECTION , RUN & CMT 7" LNR +/- 14' INTO BPDS, DRILL 6-1/8" LATERAL ACROSS ABD1 TO TD @ +- 8932 MD/5064' TVD, COMPLETE WELL WITH ESP COMPLETION AND FUNCTION TEST ESP.

#### SAFETY

- CONDUCTED DAILY SAFETY MEETING WITH ALL PERSONNEL.

#### NEXT LOCATION

- SAHB-2, KOM HELD ON JANUARY 31, 2023, STRIPPING OUT 0%, LOCATION 0%

- AWTAD-1 KOM HELD ON JANUARY 31, 2023, STRIPPING OUT 0%, LOCATION 0%

#### FUEL CONSUMPTION

- DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) = DAILY: 20 BBLS, TOTAL 1064 CONSUMED BBLS.

#### RAW WATER TRUCKS

- 4 X RAW WATER TRUCKS UNDER DRSS#1003853297 ON 2/23/2023 PLATE# TR-331, TR-271, TR-346 & TR-267

#### RENTAL TOOLS ON LOCATION

- RECEIVED GULF ENERGY 6 1/2" DRLG JAR (DJ-00084) ON 2/24/2023

Remarks

SAIPEM SUPERINTENDENT FABIO ON LOCATION FOR RIG UP OPERATION.

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(+)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS														
<b>MUD DATA</b>																							
<b>MUD TREATMENT</b>																							
<b>BIT DATA</b>																							
<b>DRILL STRING</b>																							
<table border="1"> <tr> <td>BOP Test</td> <td>BOP Drills</td> <td>Wind</td> <td>Sea</td> <td>Weather</td> <td>DSLTA</td> <td>Safety Meeting</td> </tr> <tr> <td>02/25/2023</td> <td></td> <td>SEASONAL</td> <td>N/A</td> <td>COLD</td> <td></td> <td>RIG UP</td> </tr> </table>										BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting	02/25/2023		SEASONAL	N/A	COLD		RIG UP
BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting																	
02/25/2023		SEASONAL	N/A	COLD		RIG UP																	
Miscellaneous																							
Real-Time Data Quality																							

Personnel and Services Information	COMPANY	OTH	BHI	RIG	OES	RIG	ARM	ARM	NSL	Total 93
	CATEGORY	CTRG	DPDS	RIG	DFMS	OTHR	OTHR	WSC	SLS	
	NO. OF PERSONS	14	2	41	1	28	2	2	3	
	OPERATING HRS.	0	0	24	0	24	12	24	0	
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	

Trucks/Boats	Standby/Tankers	AMBULANCE	BUS	AMBULANCE			
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX 1800	

REPAIR ASAP	Instrumentation	Other	Computer, Communication & V-Sat Issues	Reporter
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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>JAHM-12 (VERTICAL DELINEATION WELL FOR CO2 SEQUESTRATION PROJECT TO PROVIDE WELL FOR INTERFERENCE TESTS.)</b>	Rig <b>T- 546</b>	Foreman(s) <b>ALNUJYADI, YOUSEF SAAD/ OMAIREEN, ANAS KHALID/</b>
Engineer Superintendent	<b>ALMARSHAD, SUHAIL MOHAMMAD/ ALZAHRANI, SAMI KHALID/ ABU RASAIN, AMER MANE</b>		
THURAYA <b>88-216-777-11053</b>	RIG FORMAN VSAT <b>MAIN: 577-9388</b>	OTHER VSAT <b>CLERK: 577-9379 / 9396</b>	CONTRACTOR/CLERK VSAT <b>RIG: 013-807-3587</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>8122</b>	<b>CONT PERFORM LOGGING RUN #5, POOH &amp; L/D LOGGING TOOL, PT BOP, P/U &amp; M/U 8-3/8 REAMING BHA.</b>	<b>RIH W/ 8-3/8 REAMING BHA TO BTM, CHC, POOH TO SURFACE, RIH &amp; PERFORM TLC (SAMPLING &amp; GR) RUN #6 ON DP.</b>	<b>475 KM FRM DMG, DMM-RYDH HW EXIT TO RUMAH DR 75KM. DR 40 KMS AFTER RUMAH TURN RT, 25 KM SKID RD.</b>	<b>60.7 (12/28/2022@0830)</b>	<b>PAMU 1280 126 FT SHALLOW SHUB 1971 185 FT DEEPER BUWB-BASE 3052 261 FT DEEPER YAMM 3262 SULY 3499 114 FT DEEPER HITH 4106 ABAR 4517 5 FT SHALLOW BAAR 4574 ABDR 5034 6 FT DEEPER HNIF 5684 37 FT DEEPER LFDR 6940 62 FT DEEPER BLFR 7140 AS PER GOC</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>8122</b>					<b>9 5/8</b>	<b>4156</b>	<b>4156</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
09.8	0500 - 1445	0	8 3/8	E	LOG	LOG	WLT	SWL	8122	8122	4884	4550	SWL PERFORM OPEN HOLE LOGGING RUN #5. - RUN #5: XPT-GR (PRESSURE POINTS/GAMMA RAY). - TOTAL PRESSURE POINTS: 98 POINTS. - LOGGING INTERVAL: FROM 7,720 TO 4,460. - MONITOR WELL THROUGH TRIP TANK WHILE LOGGING, WELL STATIC.			
00.5	1445 - 1515	0	8 3/8	E	LOG	PJSM	NA	RIG	8122	8122			HELD STAND DOWN MEETING WITH DAY SHIFT RIG CREW. REVIEW & DISCUSS: - INCIDENT ID: 4459322.			
01.0	1515 - 1615	0	8 3/8	E	LOG	OTH	NA	SWL	8122	8122			POOH SWL RUN #5 LOGGING TOOLS WITH WIRELINE TO SURFACE. - MONITOR WELL THROUGH TRIP TANK WHILE LOGGING, WELL STATIC.			
01.0	1615 - 1715	0	8 3/8	E	LOG	OTH	NA	SWL	8122	8122			L/D (PRESSURE POINT - GR) LOGGING TOOLS ASSY.			
01.5	1715 - 1845	0	8 3/8	E	LOG	ND	SNIP	RIG	8122	8122			L/D SHOOTING NIPPLE & N/U BELL NIPPLE			
00.5	1845 - 1915	0	8 3/8	N	WH	RTRV	WBSH	RIG	8122	8122			M/U RETRIEVING TOOL FOR 11" VG WEAR BUSHING, RETRIEVE SAME IN VG TUBING HEAD SPOOL, POOH & L/D RETRIEVING TOOL.			
01.8	1915 - 2100	0	8 3/8	N	BOP	BOP	BOP	RIG	8122	8122			HPJSM, M/U & SET 11" V.G TEST PLUG ASSY, FLUSH BOP, CHOKE LINE, POOR-BOY & FLARE LINES W/WATER.			
05.2	2100 - 0215	0	8 3/8	N	BOP	BOPT	BOP	RIG	8122	8122			HPJSM, P/T 13-5/8" 10M CLASS "A" BOPE & ALL RELATED EQUIPMENT TO 300/8500 PSI , PT ANNULAR TO 300/7000 PSI.			
00.5	0215 - 0245	0	8 3/8	N	BOP	OTH	BOP	RIG	8122	8122			POOH & L/D 11" VG TEST PUG.			
00.5	0245 - 0315	0	8 3/8	N	WH	SET	WBSH	RIG	8122	8122			SET VG WEAR BUSING INTO TUBING SPOOL.			
01.8	0315 - 0500	0	8 3/8	N	CT	HT	BHA	RIG	8122	8122			M/U 8-3/8" BIT WITH STIFF REAMING ASSY AS FOLLOWS: - - 8-3/8" PDC BIT, 8-3/8" NBRR, 1 JT X 6-1/2" PONY DC, 8-3/8" STRR, 7 STD X 6-1/2" DC, 6-1/2" D. JAR, 2 JT X 6-1/2" DC, X/O. - P/U 6-1/2" NOV DRLG JAR SN#474-651211 AT 04:30 AM.			

#### WELL OBJECTIVE

THE PLAN IS TO DRILL JAHM-12 AS VERTICAL DELINEATION WELL FOR CO2 SEQUESTRATION PROJECT. THE PRIMARY OBJECTIVE IS TO MITIGATE STRUCTURAL CLOSURE UNCERTAINTIES ON THE EAST FLANK OF THE STRUCTURAL CREST, AND TO SECONDARILY EVALUATE RESERVOIR QUALITY AND SEAL EFFECTIVENESS AT ARAB-A, ARAB-B, ARAB-C, ARAB-D, UPPER HANIFA, HADRIYAH, LOWER FADHILI, FARIDAH-A, FARIDAH-D, AND HURANIA. A PRIMARY OBJECTIVE IS TO PROVIDE A WELL LOCATION FOR INTERFERENCE TESTS WITH OTHER WELLS. JAHM-12 IS LOCATED IN CENTRAL ARABIA AND ABOUT 285 KILOMETERS WEST OF DHARHAN, 6.5 KM TO THE NORTHEAST OF JAHAM-5.

#### CASING SETTING DEPTH

> 24" CSG PROGRAM DEPTH @ 160 FT- ACTUAL 180 FT  
 > 18-5/8" CSG PROGRAM DEPTH @ 720 FT- ACTUAL 720 FT  
 > 13-3/8" CSG PROGRAM DEPTH @ 1,456 FT. (50' INTO PRE ARUMA UNCONFORMITY) - ACTUAL 1,330 FT.  
 > 9-5/8" CSG PROGRAM DEPTH @ 4,196 FT. (50' INTO BMFR) - ACTUAL 4,156 FT.  
 > 7" LINER PROGRAM DEPTH @ 8,204 FT. (30 FT INTO DHRUMA SHALE) - ACTUAL 8,122 FT.

#### ARAMCO PERSONNEL & VISITORS

>> ARAMCO CLERK HUSSAIN AL NASSER ID#813640 ON LOCATION.  
 >> ARAMCO PDP FALAH ALHAJRI ID#818852 ON LOCATION SINCE 02/17/2023.

#### SERVICE HANDS ON LOCATION

>> EMEC MUD ENGINEER ON LOCATION.  
 >> HALCO MUD LOGGER UNIT ON LOCATION, RELEASED SINCE 2/17/2023 AT 09:30 AM.  
 >> SLB CUTTING DRYER ON LOCATION, RELEASED SINCE 2/17/2023 AT 09:30 AM.





Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>BRRI-550 (SINGLE WATER INJECTOR TO ARAB-B WITH PH.)</b> Charge #: <b>(66- 22025- 0550)</b> Wellbores: (0-1) BRRI_550_1	Rig <b>T- 551</b> Foreman(s) Engineer Superintendent <b>SHAKHS, ZAID MOHAMMADHUSAIN/ DOMAINI, YASIR MOHAMMAD/ MUNOZ TORRES, GERMAN ALBERTO/ ALMUBAYEDH, ABDULLA SALEH/ ABADA, YASSINE</b>
		THURAYA <b>8821677711090</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>8422</b>	<b>RSS DRILL 12-1/4" L 0-1 HS TO 8,422'.</b>	<b>CONT RSS DRILL 12-1/4" L 0-1 HS TO 11,755' MD/7,357' TVD (INSIDE HITH FM). FROM DH MAIN GATE.</b>	<b>LANDFILL B SLOT # 1 , 98 KM</b>	<b>44.7 (01/13/2023@1300)</b>	<b>KHFJ 4513 4505' TVD (84' TVD SHALLOWER) SHUB 5273 5130' TVD (40' TVD SHALLOWER) BYDH 5686 5434' TVD (9' TVD DEEPER) BUWB 6341 5846' TVD (35' TVD SHALLOWER) YAMM 6887 6091' TVD (12' TVD SHALLOWER) SULY 7898 6391' TVD (6' TVD SHALLOWER)</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>7180</b>					<b>13 3/8</b>	<b>5250</b>	<b>5115</b>	<b>1242</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	LT TYPE	LT ID	Summary of Operations	
									Start				Start	End
05.0	0500 - 1000	0-1	12 1/4	N	DRLG	D	RSS	BHI	7180	7343		DD	909417	DIR DRILL 12-1/4" L 0-1 HOLE SECTION, USING BHI RSS+MWD ASSY, 81 PCF OBM & 100% CIRC.
00.5	1000 - 1030	0-1	12 1/4	N	DRLG	PJSM	NA	RIG	7343	7343				HOLD STAND DOWN MEETING WITH ALL CREWS ABOUT THE CURRENT RIG OPERATIONS, DISCUSS SWA, SAFETY LEADERSHIP & WORKING @ HEIGHT.
11.5	1030 - 2200	0-1	12 1/4	N	DRLG	D	RSS	BHI	7343	7838		DD	909417	DIR DRILL 12-1/4" L 0-1 HOLE SECTION, USING BHI RSS+MWD ASSY, 81 PCF OBM & 100% CIRC.
00.5	2200 - 2230	0-1	12 1/4	N	DRLG	PJSM	NA	RIG	7838	7838				HOLD STAND DOWN MEETING WITH ALL CREWS ABOUT THE CURRENT RIG OPERATIONS, DISCUSS SWA, SAFETY LEADERSHIP & WORKING @ HEIGHT.
03.5	2230 - 0200	0-1	12 1/4	N	DRLG	D	RSS	BHI	7838	8110		DD	909417	DIR DRILL 12-1/4" L 0-1 HOLE SECTION, USING BHI RSS+MWD ASSY, 81 PCF OBM & 100% CIRC.
00.5	0200 - 0230	0-1	12 1/4	N	DRLG	RR	TDS	RIG	8110	8110				SERVICE TDS.
02.5	0230 - 0500	0-1	12 1/4	N	DRLG	D	RSS	BHI	8110	8422		DD	909417	DIR DRILL 12-1/4" L 0-1 HOLE SECTION, USING BHI RSS+MWD ASSY, 81 PCF OBM & 100% CIRC. * CONTROL ROP WHILE DRILLING THROUGH BIYADH. * SWEEP HOLE WITH 40 BBLs HI-VIS PILL EVERY STD DRILLED. * DRILL OFF 5 MINS AT KD. * WASH UP/REAM DOWN 1 JT EVERY STD, FULL STD EVERY 5TH. * TAKE SURVEY AFTER CONNECTION. * DRILLING PARAMETERS: FLOW RATE: 850 GPM, ROT: 180 RPM, SPP: 3700 PSI, TQ: 10000-13000 K FT*LB, WOB- 35-40 KLBS.

Lost Time Details												
From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID		Type	Cause	Object	Resp Co	Depth	LT Summary	
22 Feb 1130 - 0500	22.5	116.5	909417			DD	AINC	BHA	BHI	5702	BHI ACCIDENTALLY SIDETRACK THE HOLE WHILE REAMING DOWN TIGHT INTERVAL. SPOT CMT PLUG & SIDETRACK THE WELL.	

BRRI-550 WILL BE DRILLED FROM LAND FILL-B (LF-B, SLOT # 1) ACROSS ARAB-B RESERVOIR AS A SINGLE LATERAL PWI TO PROVIDE PRESSURE SUPPORT TO OFFSET PRODUCERS. A PILOT HOLE (L-0) WILL BE DRILLED TO 12,542 FT-MD/7,712 FT-TVD (14 FT-TVD INSIDE ABDR) FOR RESERVOIR EVALUATION AND PLUGGED. A TRUE LATERAL (L-1) WILL BE DRILLED TO TOTAL DEPTH OF 25,857 FT-MD /7,521 FT-TVD. THE WELL WILL BE COMPLETED WITH 7" PACKER AND 4-1/2" GRE LINED TUBING.

\* NEXT WELL FOR SSA-51: BRRI-536 (LANDFILL-B).

=====SAFETY=====

\* EMERGENCY BUS & AMBULANCE ON LOCATION, ESCAPE ROUTE TO SGA#1.

\* ESCAPING LIFEBOAT ON LOCATION, ESCAPE ROUTE TO SGA#2.

\* NEAR MISS IN SLS: NONE.

\* DISCUSSED RECENT DEPARTMENT INCIDENTS.

\* SAFETY ALERTS DISCUSSED: NONE.

-----ARAMCO PERSONNEL, RENTAL TOOLS & OTHERS-----

\* ANWAR ABUSALEH (ID# 8048528) NAODD HSE ADVISOR ON LOCATION SINCE 02/26/2023.

\* ARAMCO FOREMAN ESAM ALZAHRAINI #768835 ON LOCATION SINCE 02/13/2023.

\* ARAMCO FOREMAN SAUD ALMUTAIRI ID (792986) ON LOCATION SINCE 02/20/2023.

\* ARAMCO FOREMAN MUATH ALABDULATHIM ID (811977) ON LOCATION SINCE 02/20/2023.

\* KHALID M. AL DOSSARY #232678 ON LOCATION SINCE 02/20/2022.

\* ARAMCO FIELD TECHNICIAN - TURKI ALMUTAIRI (#791145) ON COURSE.

\* MATERIAL EXPEDITOR MR. SUFUQ ALSHAMMARI ON LOCATION SINCE 02/20/2023.

\* 2 X MI SWACO MUD ENGINEERS ON LOCATION SINCE 01/30/2022.

\* RECEIVED ALTAMIMI BACKHOE ON 12/29/2022.

\* WATER LINE GROUP INSTALLED 3 DECMII PUMPS.

\* ALFAHAD 4 VT & 2 LOW-BEDS TAKING WASTE FLUID AND SKIPS (1 TRIP EACH PER DAY) SINCE 01/12/2023.

\* 8" COUGAR HM JAR SN# DJ6800432 RECEIVED ON 02/05/23 @ 18:00 HRS.

\* 6-3/4" COUGAR HM JAR SN#DJ6-675-41 RECEIVED ON LOCATION ON 02/16/2023 @15:00 HRS.

\* 12-1/8" NOV DLR SN. G286694 ON LOCATION 02/02/2023.

\* 8-1/4" SAMMA PBL SUB SN. 825BP223 ON LOCATION 02/06/2023

=====WELL DESIGN=====

\* 34" HOLE, 30 " CONDUCTOR @ 232' MD/TV.

\* 28" HOLE, 24" CSG @ 742' MD/TV.

\* 22" VERTICAL HOLE 18-5/8" CSG @ 3,215' MD/ 3,215' TVD (85' TVD INTO LAMS) AS PER GOC.

\* 16" DIR. HOLE (39.9 DEG), 13-3/8" CSG @ 5,253' MD 5,115 TVD (20' TVD ABOVE SHUB) AS PER GOC.

\* PLANNED 12-1/4" DIR. HOLE (45 DEG - 73 DEG), 9-5/8" CSG @ 11,514' MD / 7,342' TVD (20' TVD ABOVE PASS). HAD ACCIDENTAL SIDE TRACK AT 5915' WHILE RIH FOR WIPER TRIP, PLUGGED BACK FROM 5915'-5350', TAGGED TOC AT 5685', TIE IN L 0-1 AT 5702'.

\* NEW PLANNED 12-1/4" L 0-1 DIR. HOLE (45 DEG - 71 DEG), 9-5/8" CSG @ 11,755' MD / 7,357' TVD (20' TVD ABOVE PASS).

\* PLANNED 8-1/2" L-0 PH DIR. HOLE (MAINTAIN 65 DEG) TO 12,542' MD / 7,712' TVD (14' IN ABDR).

\* PLANNED 8-1/2" L-1 DIR HOLE (TOW: 8,194 FT-MD/6,376 FT-TVD) TO 7" LINER @ 17,865' MD / 7,490' TVD (ABBR)

\* PLANNED 6-1/8" L-1 DIR HOLE TO TD @ 25,865' MD / 7,530' TVD (ABBR)

-----WASTE MANAGEMENT SYSTEM-----

TOTAL SKIPS ON LOCATION: 104 SKIPS

TOTAL EMPTY SKIPS ON LOCATION: 82

TOTAL FULL SKIPS ON LOCATION: 10

DAILY SKIPS USED: 18

DAILY DRILLING FLUID WASTE: 100 BBLS

PREVIOUS SECTIONS SUMMARY:

\*TOTAL SKIPS USED: 20 (34"), 21 (28"), 50 (22"), 35 (16")

\*TOTAL DRILLING FLUID WASTE (BBLS): 400 (34"), 300 (28"), 1400 (22"), 2550 (16")

CURRENT SECTION:

TOTAL SKIPS USED (12.25" HOLE SECTION): 127 SKIP

TOTAL DRILLING FLUID WASTE (12.25" HOLE SECTION): 3530 BBLS

TOTAL BACKLOADED SKIPS (CUMULATIVE): 239 SKIPS.

TOTAL USED SKIPS (CUMULATIVE): 250 SKIPS

TOTAL BACKLOADED DRILLING FLUID WASTE (CUMULATIVE): 8750 BBLS

-----DIRECTIONAL-----

\* FOLLOWING DIRECTIONAL PLAN: BRRI-550\_1\_REV-D.1\_23-FEB-2023 (PWP).

- AUTOTRAK G3 RCLS RSS W/ 11.25" STABILIZER.

- SENSOR OFFSET FROM BIT: DIR: 38.15' / GR: 33.38' / PRESSURE: 30.45' RESISTIVITY: 26.22'.

- WELL PATH: 0.66' ABOVE & 0.47 RIGHT OF PLAN.

- C-C FROM MOTHERBORE: 116.6', SEPERATION FACTOR: 3.05.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
0-1	8379	73.41	275.09	94	6528.37	488.50	-3254.87	488.5	0.27
0-1	8285	73.38	275.35	94	6501.51	480.30	-3165.16	480.3	0.31
0-1	8191	73.42	275.05	94	6474.66	472.14	-3075.45	472.14	0.14
0-1	8097	73.35	274.93	95	6447.78	464.30	-2985.72	464.3	0.34
0-1	8002	73.55	274.67	96	6420.72	456.68	-2894.97	456.68	0.45
0-1	7906	73.35	274.27	93	6393.37	449.51	-2803.23	449.51	0.34
0-1	7813	73.38	274.60	94	6366.75	442.62	-2714.39	442.62	0.04
0-1	7719	73.41	274.62	94	6339.89	435.38	-2624.60	435.38	0.32
0-1	7625	73.57	274.88	95	6313.17	427.92	-2534.79	427.92	0.34
0-1	7530	73.58	275.22	94	6286.31	419.90	-2444.02	419.9	0.05
0-1	7436	73.58	275.27	95	6259.74	411.66	-2354.23	411.66	0.11
0-1	7341	73.48	275.30	94	6232.81	403.26	-2263.51	403.26	0.54
0-1	7247	73.35	274.79	93	6205.97	395.34	-2173.77	395.34	0.2
0-1	7154	73.23	274.94	94	6179.23	387.79	-2085.02	387.79	1.59

MUD DATA	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM
	81 PCF	62 SEC	3.4 HTHP	API	31	20	810 Volts	10 / 11	12 / 18			
MUD DATA	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	
	140	2	0	17	63	20	0	9.15	0	ALLOIL	SEA	
MUD TREATMENT	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM
	81 PCF	64 SEC	3.2 HTHP	API	32	20	780 Volts	10 / 11	12 / 17			
BIT DATA	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #	
	135	2	0	18	62	20	0	9.15	0	ALLOIL	SEA	

VRS-WET	CAOH2	ASPHALT	CACO3-25	CACO3-50	PRIM-EMUL	VG6	DURATONE	MRBL-M	MAXSHIELD	BARITE	MRBL-F	CACL2-80	MIL-GRD
8(55GL)	150(25KG)	24(50LB)	76(25KG)	76(25KG)	16(55GL)	60(50LB)	94(50LB)	2(2200L)	14(5000L)	3(2200L)	7(2200L)	2(55GL)	

BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out		
	7RR	S423	12.25	REED	S295599	TK66S1A / 9 X 14 / 1.353	11695	14415					
BIT DATA	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel
											DP Av	DC Av	Bit HHP
											3700	850	202
											166.58		195

BHA Hrs:	Float	Y											
String Wt.	Pick Up	Slack Off		Rot. Torque		Jars:		/	56	Shock Sub:	/	Mud Motor:	/
	180	220	145	13000				/					

						Serial #/Hrs	/		/		/		/								
Order	Component		Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #							
DRILL STRING	Bit		REED			12.25	1.04	6-5/8" REG						S295599							
	RSS		BHI			10.83	2.48	8.31	9-1/2" T2	6-5/8" REG											
	Stabilizer		BHI			9.5	3.15	11.83													
	Measurement While Drilling (MWD)		BHI			9.5	2.953	22.61													
	Power & Communication Sub		BHI			9.5	3.15	11.76													
	Stop Sub		BHI			9.5	3	1.66	9-1/2" T2	6-5/8" REG											
	Stabilizer		BHI			8	2.813	7													
	Float Sub		BHI			8	3	3.58													
	Filter Sub		BHI			8	2.813	5.58													
	Non Magnetic HWDP		BHI			6.625	2.25	30.1													
	Multi Activation Circulating Sub		SAM			8	2.5	8.41						R825BP415							
	Drillcollar		RIG			8.25	2.813	30.62													
	Dogleg Reamer		NRT			8.25	2.813	5.54						G285064							
	Drillcollar		RIG		2	8.25	2.813	61.95													
	Hydro-Mechanical Jar		CTC			8.25	2.81	243.86						800-435							
	Drillcollar		RIG		3	8.25	2.813	91.33													
	Crossover		RIG			8.25	2.875	2.5	4-1/2" IF	6-5/8" REG											
	Heavy Weight Drillpipe (HWDP)		RIG		15	5	3	459.12													
	Drillpipe		RIG	5	1	5	4.276														
Miscellaneous	BOP Test 02/23/2023	BOP Drills AS PER SCHEDULE			Wind MED	Sea NORMAL	Weather CALM & COLD			DSLTA 4833	Safety Meeting PJSM										
	Real-Time Data Quality		Sensors Quality			100%	Data Frequency		100%	Real-Time Hrs		11.49/24 hrs									
	COMPANY		RTC	SCC	BHI	NOV	RIG	SMI	RIG	RUE	CTC	RIG	BR1	SGR	RIG	ARM	MI3	ARM	SAM	Total 117	
Personnel and Services Information	CATEGORY		BITS	CTRG	DPDS	DRF	RIG	DFMS	SEC	H2S	JST	MED	MLS	MLS	OTHR	OTHR	WMS	WSC	WBCS		
	NO. OF PERSONS		0	15	4	0	50	2	5	1	0	2	0	4	17	4	8	5	0		
	OPERATING HRS.		24	0	24	24	24	24	0	24	24	24	24	24	12	12	24	24	24		
	ON LOCATION HRS.		0	24	24	0	24	24	24	24	0	24	0	24	24	24	24	24	24		
	Trucks/Boats		Standby/Tankers <b>AB-5521</b>	<b>LIFEBOAT #854225</b>																	
BULK	Drill Wtr.-BBLS <b>200</b>		Pot Wtr.- BBLS <b>0</b>	Fuel- BBLS <b>578</b>		Barite- SX <b>242</b>	Bentonite - SX <b>85</b>	Cement G- SX <b>3950</b>													
	Instrumentation Computer, Communication & V-Sat Issues		Other													Reporter					

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D&WO Morning Report (Service Providers View)

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## Daily Onshore

(0500-0500) Saudi Aramco

Date <b>MONDAY</b> <b>02/27/2023</b>	Well No (Type) : <b>HWYH-1277</b> <b>(MK-1, S-SHAPE,</b> <b>KHUFF-C GAS</b> <b>PRODUCER.)</b>	Rig <b>T-</b> <b>559</b>	Foreman(s) <b>RERBAL, SOFIANE/</b> Engineer <b>OTAIBI, ABDULLAH SAAD/</b> Superintendent <b>JALLAL, FAISAL ALI</b>
Charge #: <b>(66- 22053-1277)</b>	THURAYA <b>8821677712723</b>	RIG FORMAN VSAT <b>013 577 3578</b>	OTHER VSAT <b>0138078347 (STP)</b> OTHER VSAT <b>013 576 9155 (CLERK)</b> OTHER VSAT <b>0138078350 ( CLINIC)</b>
Wellbores: (0) HWYH_1277_0			

**HWYH-1277 WILL BE DRILLED AS GAS PRODUCER S-SHAPE MK-1 WELL**

===== ARAMCO PERSONNEL / EQUIP =====

>> ARAMCO PDP (HOT-II) NAWAF ALSAWHA #817953 ON LOC SINCE 02/20.  
>> ARAMCO FCT RAED HEGAZY#784207 OFF LOC SINCE 02/21.  
>> ARAMCO CLERK LEONINFANT LOUIS # 8544202 ON LOC SINCE 08/11/2022.  
>> AMER E ALMUTAIRI #802768 TRAPIN # 115 OFF LOC SINCE 02/19.

====THIRD PARTY PERSONNEL/EQUIP=====

>> EMEC MUD ENGINEER ON LOC SINCE 02/12.

==== HSE ====

>> SAFETY MEETING:

#### **OPERATIONAL RELATED HAZARDS AND POSSIBLE RISKS (NO GO ZONE AREA; WORK AT HEIGHT, DROPS, PINCH POINTS).**

## **1. IMPORTANCE OF UTILIZING "STOP WORK AUTHORITY"**

**2.GDD SAFETY TOPIC SCHEDULE \_26-FEB-2023\_ ELECTRICAL SAFETY**

>> DRILLS: 0  
>> OBB: 10.

**LTI DAYS FREE: 1489 DAYS.**

## **=====DIESEL CONSUMPTION=====**

>> DAILY CONS: 20 BBLS (RIG: 15BBL. CAMP: 05 BBL). TOT CONS: 146 BBL.

===== VACUUM TANKER =====

>>VACUUM TANKER#: DOOR/ PLATE#: 7670/758 TRIPS: 2 PER DAY

=====WATER WELL=====

>> HWYH-3521 / HWYH-839.

## Remarks

MUD TREATMENT																								
BIT DATA																								
DRILL STRING	Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #																							
Miscellaneous	BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting																	
			SEASONAL	ONSHORE	SEASONAL		2 X PRE-TOUR MEETING																	
	Real-Time Data Quality						No Transmission																	
Personnel and Services Information	COMPANY	RIG	RIG	EMC	RIG	ARM	ARM																	
	CATEGORY	CTR G	RIG	DFMS	OTHR	OTHR	WSC																	
	NO. OF PERSONS	15	45	1	80	2	1																	
	OPERATING HRS.	0	24	0	12	12	24																	
	ON LOCATION HRS.	24	24	24	24	24	24																	
Trucks/Boats	Standby/Tankers																							
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	346	Barite- SX	0	30	Cement G- SX	0															
REPAIR ASAP	Instrumentation	Other																						
	Computer, Communication & V-Sat Issues																							
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	Reporter																							

Total  
**144**

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Reporter

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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HRDH-1947 (MK-2 VERTICAL WELL GAS PRODUCER TARGETING KHUFF-C RESERVOIR)</b> Charge #: <b>(66- 22058- 1947)</b> Wellbores: (0) HRDH_1947_0	Rig <b>T-562</b> Foreman(s) Engineer Superintendent	<b>CHIBANI, FOUZI/ BOUCHEBAK, KAMAL/ TELMESANI, ABDULWAHAB WALID/ HUAIMLI, AHMED ABDULAZIZ</b>	
		THURAYA <b>+8821677711347</b>	RIG FORMAN VSAT <b>578-4064</b>	CONTRACTOR/CLERK VSAT <b>578-4063</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>5393</b>	<b>D/O CMT TO 30' ABOVE SHOE, PT CSG TO 1000 PSI, - OK, D/O CMT TO VERT HOLE TO BTM, DRILL 16" TO 4230', FIT TO 400 13-3/8" CP @ +/- PSI, -OK, ROT DRILL 16" VERT HOLE TO 5,393 FT.</b>	<b>ROT DRILL 16" VERT HOLE TO 10,078' (30 FT INSIDE BJDM).</b>	<b>247 KM FROM DHARAHAN MAIN GATE</b>	<b>21.5 (02/05/2023@1700)</b>	<b>MDTM 4630 ON PLAN BYDH 3680 55' DEEPER</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>4216</b>					<b>18 5/8</b>	<b>42104210</b>		<b>1177</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations		
									Start	End	Start	End					
04.5	0500 - 0930	0	22	N	DRLG	DFS	TDS	RIG	4216	4216	4040	4180	TF	909414	DRLD OUT HARD CMT UP TO 4,180' (30' ABOVE SHOE) W/ 67 PCF MUD & 100% CIRC.		
00.5	0930 - 1000	0	22	N	CSG	PTST	MPMP	RIG	4216	4216			TF	909414	SWEEP HOLE & CIRC & PRESSURE TESTED CSG TO 1000 PSI - HOLD FOR 10 MIN - OK.		
00.8	1000 - 1045	0	22	N	DRLG	DFS	TDS	RIG	4216	4216	4180	4216	TF	909414	DRLD OUT HARD CMT TO BTM 4,216' W/ 67 PCF MUD & 100% CIRC.		
00.8	1045 - 1130	0	16	N	DRLG	D	TDS	RIG	4216	4230					START DRILLING 16" HOLE TO 4,230 FT W/67 PCF MUD & 100% RETURN.		
01.0	1130 - 1230	0	16	N	DRLG	PTST	MPMP	RIG	4230	4230					SWEEP HOLE & CIRC & PERFORMED FIT TEST TO 400 PSI (EMW TO 80 PCF) - HLD 10 MIN - OK		
16.0	1230 - 0430	0	16	N	DRLG	D	TDS	RIG	4230	5393					ROTARY DRLD 16" VERTICAL HOLE W/ 74 PCF NACL POLYMER MUD & 100% RETURN. - DISPLACED HOLE TO 74 PCF WHILE DRILLING - REAMED UP & DOWN PRIOR EACH CONNECTION. - PUMPED 50 BBLs HVP EACH STD DRILLED.		
00.5	0430 - 0500	0	16	N	DRLG	RR	TDS	RIG	5393	5393					SERVICED TDS & CHECK FOR POTENTIAL DROPPED OBJECT.		

#### Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
22 Feb 0500 - 1045	5.75	55.75	909414		TF	FOT	DV	HDV	2024	HALL DVT FAILURE, DVT PORTS SUDDENLY OPENED BEFORE INFLATING PACKER.

#### == WELL OBJECTIVE ==

- HRDH-1947 IS PLANNED TO BE DRILLED AS A MK-2 VERTICAL PILOT HOLE TARGETING KHUFF-C RESERVOIR. THE WELL IS LOCATED ON THE WEST FLANK OF THE NORTH HRDH FIELD. A PILOT HOLE WILL BE DRILLED TO EVALUATE POROSITY LAYERS DEVELOPMENT ON KHFC. THE PILOT HOLE WILL BE COMPLETED WITH A 15K CEMENTED LINER AS PRIMARY COMPLETION.

#### == ERP ==

- WELL SURFACE LOCATION: N-2694847.20 & E-296203.56.
- RER 30 PPM: 654 M, RER 100 PPM: 242 M & LFL: 99 M.
- THE WELL LOCATED OUTSIDE SHALLOW GAS AREA.
- STAGING AREAS: SA #1 (N-2,694,258 / E-296,692 / 1.0 KM) & SA #2 (N-2,695,496 / E-296,176 / 1.0 KM).

#### == PERSONNEL ON RIG ==

- RIG CLERK MOHAMMED MAQDOOM ID#8999951 ON LOCATION SINCE 12/02/2022.

#### == RIG KPI RECORDS ==

- DP TRIPPING SPEED KPI: 19 STDs/HR, ACTUAL: NONE.
- RUN 30" CSG: 3 JTS/HR, ACTUAL: 3 JTS/HR.
- RUN 24" CSG: 4 JTS/HR, ACTUAL: 5 JTS/HR.

- RUN 18-5/8" CSG: 7 JTS/HR, ACTUAL: 9.3 JTS/HR.
- RUN 13-3/8" CSG: 11.5 JTS/HR, ACTUAL: NONE.
- RUN 9-5/8" CSG: 14 JTS/HR, ACTUAL: NONE.
- RUN 7" LINER: 14 JT/HR, ACTUAL: NONE.
- RUN 4-1/2" LINER: 13 JT/HR, ACTUAL: NONE.
- N/U 24" X 26-3/4" 3M CHS KPI: 6.5 HR / ACTUAL: 6.5 HR.
- N/U 18-5/8" X 20-3/4" 5M CHS KPI: 5 HR / ACTUAL: 04.5 HR.
- N/U 13-3/8" X 13-5/8" 10M CHS KPI: 4 HR / ACTUAL: -- HR.
- N/U 13-5/8" X 11" 10M THS KPI: 4 HR / ACTUAL: -- HR.

#### ==== SAFETY & DRILLS ====

- PRE-TOUR SAFETY MEETINGS: 2, WEEKLY SAFETY MEETINGS: 0, STOP CARDS: 7, NEAR MISS: 00, WORK PERMITS: 03 & JSA: 03.
- CONDUCTED DRILLS TOTAL: 02 (2 SWA).

- SAFETY TOPIC: HP LINE SAFETY PRECAUTIONS, STOP WORK AUTHORITY, CEMENTING JOB SAFETY PRECAUTION

- SAFETY ALERTS:

HSE ALERT 03-23: "AIR WINCH WIRE ROPE PARTED",

#### ==== WELLSITE SUPPORT ====

- 01 X AL-MADEED SPRY WATER TRUCK (PLATE #7398 & DOOR #1162) ON LOCATION SINCE 02/03/2023.

#### ==== RENTAL TOOLS & EQUIPMENT ====

- HALL TANKER W/100 BBLS 20% VDA ACID STAND BY ON LOCATION SINCE 02/05/2023 (RECIEVED FROM SSA-303).
- OILSERV 9-1/2" HDA-JAR SN# HJDA-950-0023 ON LOCATION SINCE 02/22/2023.

#### ==== NEXT LOCATION ====

- HRDH-1982 LOCATION READY.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS		
MUD DATA	Weight <b>74</b> PCF	Funnel Vis. <b>55</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>24</b>	YP <b>28</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>7 / 8</b>	Gels Sec/Min <b>8 / 12</b>	PH <b>10</b>	CA PPM <b>200</b>	CL PPM <b>30000</b>				
	FL Temp <b>90</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol.% <b>92</b>	Oil Vol.% <b>0</b>	Solids Vol.% <b>8</b>	Sand Vol.% <b>0</b>	% LGS <b>3.76</b>	MBT <b>7.5</b>	Mud type <b>NCPOL</b>	Water Well # <b>HRDH-856, HRDH-3504</b>					
	Weight <b>74</b> PCF	Funnel Vis. <b>50</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>21</b>	YP <b>27</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>7 / 8</b>	Gels Sec/Min <b>8 / 13</b>	PH <b>10</b>	CA PPM <b>200</b>	CL PPM <b>30000</b>				
	FL Temp <b>90</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol.% <b>92</b>	Oil Vol.% <b>0</b>	Solids Vol.% <b>8</b>	Sand Vol.% <b>0</b>	% LGS <b>3.76</b>	MBT <b>7.5</b>	Mud type <b>NCPOL</b>	Water Well # <b>HRDH-856, HRDH-3504</b>					
MUD TREATMENT	CAUST <b>40</b> (50LBP)	BARITE <b>64</b> (5000L)	BENT <b>10</b> (2500L)	PACLV <b>220</b> (50LB)	XC <b>40</b> (50LB)	SODASH <b>12</b> (50KG)	NACL <b>68</b> (2200L)	BCTRN <b>22</b> (5GL)	MRBL-F <b>1</b> (2200L)	GEM-GP <b>8</b> (55GL)						
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out					
	<b>6</b>	<b>M323</b>	<b>16</b>	<b>HTC</b>	<b>7916480</b>	<b>DD607XV1 / 10 X 13 / 1.296</b>	<b>4216</b>	<b>5393</b>								
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	
															Bit HHP	
DRILL STRING		<b>60</b>	<b>160</b>				<b>3000</b>	<b>900</b>	<b>223</b>	<b>97.71</b>	<b>117.37</b>	<b>231</b>				
	Float BHA Hrs:	<b>Y</b>	<b>29</b>													
	String Wt.	Pick Up	Slack Off <b>285</b>		Rot. Torque <b>25000</b>		Jars: Serial #/Hrs	/	Shock Sub:	/	Mud Motor:	/				
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	<b>1</b>	<b>Bit</b>			<b>HTC</b>	<b>16</b>	<b>1</b>	<b>16</b>	<b>0</b>	<b>1.65</b>	<b>7-5/8" REG</b>				<b>7916480</b>	
	<b>2</b>	<b>Near Bit Roller Reamer</b>			<b>RIG</b>	<b>16</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>8.09</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>			<b>GU4579</b>	
	<b>3</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>30.22</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>			<b>2002</b>	
	<b>4</b>	<b>Roller Reamer</b>			<b>RIG</b>	<b>16</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>7.23</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>			<b>GU4669</b>	
	<b>5</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>29.48</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>			<b>140125ZY</b>	
	<b>6</b>	<b>Roller Reamer</b>			<b>RIG</b>	<b>16</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>7.5</b>	<b>7-5/8" REG</b>	<b>7-5/8" REG</b>			<b>GU4666</b>	
	<b>7</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>9.5</b>	<b>10</b>	<b>9.5</b>	<b>3</b>	<b>303.51</b>	<b>7-5/8"</b>	<b>7-5/8"</b>				

									<b>REG</b>	<b>REG</b>			
<b>8</b>	<b>Hydraulic Jar</b>	<b>OJR</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>18.17</b>		<b>7-5/8"</b> <b>REG</b>	<b>7-5/8"</b> <b>REG</b>			<b>HJDA9500023</b>
<b>9</b>	<b>Drillcollar</b>	<b>RIG</b>	<b>9.5</b>	<b>2</b>	<b>9.5</b>	<b>3</b>	<b>61.78</b>		<b>7-5/8"</b> <b>REG</b>	<b>7-5/8"</b> <b>REG</b>			
<b>10</b>	<b>Crossover</b>	<b>RIG</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>2.57</b>		<b>6-5/8"</b> <b>REG</b>	<b>7-5/8"</b> <b>REG</b>			<b>6036332</b>
<b>11</b>	<b>Drillcollar</b>	<b>RIG</b>	<b>8.25</b>	<b>6</b>	<b>8.25</b>	<b>2.812</b>	<b>183.44</b>		<b>6-5/8"</b> <b>REG</b>	<b>6-5/8"</b> <b>REG</b>			
<b>12</b>	<b>Crossover</b>	<b>RIG</b>	<b>8.25</b>	<b>1</b>	<b>8.5</b>	<b>3</b>	<b>3.02</b>		<b>6-5/8"</b> <b>FH</b>	<b>6-5/8"</b> <b>REG</b>			<b>162012</b>
<b>13</b>	<b>Heavy Weight Drillpipe (HWDP)</b>	<b>RIG</b>	<b>6.625</b>	<b>9</b>	<b>6.625</b>	<b>4</b>	<b>277.06</b>		<b>6-5/8"</b> <b>FH</b>	<b>6-5/8" FH</b>			
<b>14</b>	<b>Crossover</b>	<b>RIG</b>	<b>8.5</b>	<b>1</b>	<b>8.5</b>	<b>2.75</b>	<b>3.08</b>		<b>XT-54</b>	<b>6-5/8" FH</b>			<b>15239614</b>
<b>15</b>	<b>Heavy Weight Drillpipe (HWDP)</b>	<b>RIG</b>	<b>5.5</b>	<b>9</b>	<b>5.5</b>	<b>3.25</b>	<b>274.03</b>		<b>XT-54</b>	<b>XT-54</b>			
<b>16</b>	<b>Drillpipe</b>	<b>RIG</b>	<b>5.5</b>	<b>1</b>	<b>5.5</b>	<b>4.67</b>	<b>0</b>		<b>XT-54</b>	<b>XT-54</b>			

Miscellaneous	BOP Test	BOP Drills		Wind			Sea	Weather		DSLTA		Safety Meeting											
	<b>02/22/2023</b>	<b>02/22/2023</b>		<b>SEASONAL</b>			<b>NA</b>	<b>COLD</b>		<b>4067</b>		<b>DAILY OPERATION</b>											
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs											
Personnel and Services Information	COMPANY	BHT	RIG	RIG	EMC	RO1	RIG	ARM	SJC	OTH	ARM	GOC	Total <b>92</b>										
	CATEGORY	BITS	CTRG	RIG	DFMS	MLS	OTHR	OTHR	PCS	VAC	WSC	CSR											
	NO. OF PERSONS	1	14	45	1	4	19	1	3	1	2	1											
	OPERATING HRS.	24	0	24	12	24	12	12	0	10	24	0											
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24											
Trucks/Boats	Standby/Tankers																						
	<b>AB-6856</b>																						
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX																	
REPAIR ASAP	Instrumentation			Other																			
	Computer, Communication & V-Sat Issues																						
	<b>HAVING VERY SLOW AND INTERRUPTED V-SAT COMMUNICATION.</b>																						

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>UTMN-2039 (JAUF LATERAL IN TWO HOLE SIZE ALONG WITH CCA2 FIX.)</b> Charge (71- 22057- #: 2039) Wellbores: (0- UTMN_2039_1 1)	Rig <b>T- 564</b> Foreman(s) Engineer Superintendent <b>LAMOURI, DJALLAL EDDINE/ MOHAMED, MAHMOUD BADAWY/ ALRAMADHAN, MOHAMMAD SAMI/ ALQAHTANI, ABDULLAH NASSER/ OTAIBI, MUKHLED FARAH</b>	RIG THURAYA +8821677711270 VSAT N/A	FORMAN RIG FORMAN VSAT OTHER VSAT 013-577-9322 FOREMAN 013-577-9330 HSE	CONTRACTOR/CLERK VSAT 013-577-9325 CLERK

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>17088</b>	<b>CONT. BOPE TEST, SET WEAR BUSHING, MU AND RIH 5 7/8" REAMING ASSY. TO BTM, CHC, POOH.</b>	<b>CONT. POOH AND L/D 5 7/8" REAMING ASSY, MU AND RIH WFRD LOGGING ASSY. ON 4" AND 5" DP TO BTM, LOG 5-7/8" HOLE SECTION.</b>	<b>159 KM FROM DAHHRAN MAIN GATE</b>	<b>61.0</b> (12/28/2022@0500)	<b>JAUF 15117 14,189' TVD, 6' TVD DEEPER</b>
Prev. Depth <b>17088</b>	Liner Size <b>7</b>	TOL <b>11643</b>	MD <b>15541</b>	TVD <b>14234</b>	Last Csg Size MD TVD Footage <b>9 5/8 1267612676 0</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
01.5	0500 - 0630	0-1	5 7/8	N	BOP	BOPT	BOP	RIG	17088	17088			CONT. PRESSURE TESTED 11" 10M CLASS 'A' BOPE AS PER ARAMCO REQUIREMENTS. PRESSURE TESTED ANNULAR PREVENTER 300 PSI LO/7,000 PSI HI - OK. PRESSURE TESTED 5" RAMS, 4" RAM, BLIND/SHEAR RAMS & ALL SAFETY VALVES TO 300 PSI LO/8,500 PSI HI. > CHOKE MANIFOLD AND RELATED EQUIPMENT. > PERFORMED ACCUMULATOR DRILL - OK.
01.0	0630 - 0730	0-1	5 7/8	N	BOP	OTH	BOP	RIG	17088	17088			LAID DOWN VG 11" TEST PLUG ASSY. RACKED BACK 5 STD 5" DP.
01.0	0730 - 0830	0-1	5 7/8	N	WH	SET	WBSH	RIG	17088	17088			INSTALLED VG 11" WEAR BUSHING, FLUSHED BOP STACK WITH 88 PCF INNOVERT-RDF OBM.
01.5	0830 - 1000	0-1	5 7/8	N	CT	HT	BHA	RIG	17088	17088			MU AND RIH 5 7/8" REAMING ASSY. >5 7/8" RR PDC BIT OPEN JET (S/N: S28840), 5 7/8" NB REAMER, 1 X 4.75" DC, 5 7/8" STRING REAMER, X-O, 3 JTS X 4" HWDP, 4.75" JAR, 2 JTS X 4" HWDP, 4" DP. > MU 4.75" JAR @ 10:00 HRS.
03.2	1000 - 1315	0-1	5 7/8	N	CT	TI	STDP	RIG	17088	17088	60	5990	RIH 5 7/8" REAMING ASSY. ON 4" DP STDs.
00.2	1315 - 1330	0-1	5 7/8	N	CT	HT	PEL	RIG	17088	17088			CHANGE HANDLING EQUIPMENT TO 5".
05.5	1330 - 1900	0-1	5 7/8	N	CT	TI	STDP	RIG	17088	17088	5990	15500	CONT. RIH 5 7/8" REAMING ASSY. ON 5" DP STDs TO 7" LINER SHOE.
02.2	1900 - 2115	0-1	5 7/8	N	CT	CIRC	MPMP	RIG	17088	17088			CIRC. BTM-UP AT 7" LINER SHOE WITH 280 GPM @ 2,800 PSI. > RECORD FREE PARAMETER AND PUMPS SCR.
03.5	2115 - 0045	0-1	5 7/8	N	CT	RW	BIT	RIG	17088	17088	15500	17088	CONT. RIH CONTROLLED SPEED ON 5" DP, WASH DOWN LAST STD TILL TAG BTM @ 17,088'. > HAD ONE TIGHT SPOT (15,624'), WORKED ON IT TILL SMOOTHEN. > HOLE IN GOOD CONDITION, NORMAL DRAG.
03.2	0045 - 0400	0-1	5 7/8	N	CT	CIRC	MPMP	RIG	17088	17088			SWEPT THE HOLE WITH HWP, CHC WITH 270 GPM @ 2,800 PSI, CONDITIONED MUD IN-OUT 88 PCF. > SPOT 50 BBLS LOGGING PILL AT BTM.
00.2	0400 - 0415	0-1	5 7/8	N	CT	CIRC	MPMP	RIG	17088	17088			FLOW CHECKED, WELL STATIC.
00.8	0415 - 0500	0-1	5 7/8	N	CT	RW	BIT	RIG	17088	17088	17088	16500	POOH WITH CONTROLLED SPEED 5 7/8" REAMING ASSY. ON 5" DP STDs.  >>CCA#2: 0 PSI, CLOSED FROM 08:00 HRS 02/21/2023. >>CCA#1: 0 PSI.

=====ERP=====

>> ERP POSTED IN ARAMCO FOREMAN OFFICE.

>> 30 PPM: 1,819 M; 100 PPM: 653 M; 1/2 LFL: 150 M.

=====QHSE=====

>> SOC TODAY 83, MTD: 2,086.

>> DRILLS TODAY 5, MTD: 44, 2 X PIT DRILL, 2X TRIP DRILL, ACCOMULATOR DRILL.

>> SWA TODAY 2, MTD: 8.

>> NEAR MISS TODAY 0, MTD 4.

>> IMPLEMENTING CLOSED LOOP SYSTEM FOR DRILLING CUTTINGS WASTE MANAGEMENT.

>> 1ST HAZCOM 2023: TOTAL FINDINGS 27 CLOSED 26 OPEN 01.

>> 1ST QSI 2023: TOTAL FINDINGS 31 CLOSED 28 OPEN 03.

=====ARAMCO PERSONNEL=====

>> MATERIAL EXPEDITOR WAQAR ZULFQAR #8048038 ON LOCATION SINCE 02/23/2023.

>> MATERIAL EXPEDITOR ABDULLAH ALKHALDI #818628 IN LOCATION 02/20/2023.

=====THIRD PARTY PERSONNEL AND EQUIPMENT=====

>> OES MUD ENGINEER ON LOCATION 05/29/2022.

>> BAROID MUD ENGINEER ON LOCATION 1/3/2023.

>> COUGAR 4 3/4" DRILLING JAR (S/N# DJ6-500-410) ON LOCATION 02/26/2023

>> TAQA 50 BBLS ACID 20% HCL TANKER ON LOCATION 02/24/2023.

>> SLB CENTRIFUGE CREW ON LOCATION 01/26/2023.

>> SLB DIRECTIONAL ON LOCATION 02/09/2023.

>> HES MUD LOGGER ON LOCATION 02/09/2023.

>> WFRD LOGGING CREW ON LOCATION 02/27/2023.

>> ALMUJAHEDDEEN ON LOCATION.

\*\* NPS 100 BBLS ACID 20% VDA TANKER TRANSFERRED TO RIG T-701.

=====NEXT LOCATION=====

>> HWYH-979. PRE-SPUD MEETING HELD 12/7/22, MEETING WITH STRIP-OUT TEAM 01/11/2023 & 01/18/2023, STRIP OUT 95% IN PROGRESS.

=====

>> TODAY CREW SHORTAGE: 0 ROUSTABOUT & 0 FLOOR HANDS.

=====

>>CCA#2: 0 PSI, CLOSED FROM 08:00 HRS 02/21/2023.

>>CCA#1: 0 PSI.

## Remarks

\*\* ARAMCO DRILLING ENGINEER MOHAMMAD ALRAMADHAN #755278 VISITED THE RIG, DISCUSSED THE RECENT WELL CONTROL AND STUCK INCIDENT ALONG WITH WELL FORWARD PLANS. ALSO HANDED THE POSTERS OF THE NEW VERSION (V3) OF INTEGRATED HORIZONTAL DRILLING PRACTICES.

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS	
MUD DATA	Weight <b>88</b>	Funnel Vis. <b>64</b>	Filtrate(WL) <b>1.4</b>	Filtrate (WL) API	PV <b>41</b>	YP <b>15</b>	Electrical Stability <b>489</b>	Volts	3/6 RPM <b>7 / 8</b>	Gels Sec/Min <b>8 / 12</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>32000</b>		
	FL Temp <b>160</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>23</b>	Oil Vol. % <b>57</b>	Solids Vol. % <b>20</b>	Sand Vol. % <b>0</b>	% LGS <b>6.1</b>	MBT <b>0</b>	Mud type <b>INOVRT</b>	Water Well # <b>UTMN-940</b>				
	Weight <b>88</b>	Funnel Vis. <b>64</b>	Filtrate(WL) <b>1.4</b>	Filtrate (WL) API	PV <b>40</b>	YP <b>15</b>	Electrical Stability <b>486</b>	Volts	3/6 RPM <b>7 / 8</b>	Gels Sec/Min <b>8 / 12</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>32000</b>		
	FL Temp <b>80</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol. % <b>23</b>	Oil Vol. % <b>57</b>	Solids Vol. % <b>20</b>	Sand Vol. % <b>0</b>	% LGS <b>6.1</b>	MBT <b>0</b>	Mud type <b>INOVRT</b>	Water Well # <b>UTMN-940</b>				
MUD TREATMENT	LESUPERMUL	CACO3-50	BARACRB150	CAOH2	STELSEALFN	STELSEALFN	CACO3-25								
BIT DATA	4(55GL)	30(55LB)	30(55LB)	10(25KG)	20(55LB)	15(50LB)	30(25KG)								
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #	
Miscellaneous	BOP Test <b>02/26/2023</b>	BOP Drills		Wind <b>N/NW</b>	Sea <b>N/A</b>	Weather		DSLTA <b>3900</b>	Safety Meeting <b>2</b>						
	Real-Time Data Quality		Sensors Quality		99%	Data Frequency		99%	Real-Time Hrs		10.99/24 hrs				
Personnel and Services Information	COMPANY	SCC	SDM	RIG	BAR	OES	MJH	CTC	HMS	RIG	ARM	MI2	OTH	ARM	WWL
	CATEGORY	CTR G	DPDS	RIG	DFMS	DFMS	SEC	JST	MLS	OTHR	OTHR	SCS	VAC	WSC	WLS
	NO. OF PERSONS	<b>14</b>	<b>3</b>	<b>39</b>	<b>2</b>	<b>1</b>	<b>6</b>	<b>0</b>	<b>4</b>	<b>17</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>4</b>
	OPERATING HRS.	<b>0</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>12</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>24</b>	<b>0</b>
	ON LOCATION HRS.	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>18</b>
Trucks/Boats	Standby/Tankers <b>AB-5447</b>														
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>477</b>	Barite- SX	Bentonite - SX	Cement G- SX <b>1150</b>									
REPAIR ASAP	Instrumentation	Other	Computer, Communication & V-Sat Issues												Reporter

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Total  
**96**

D&WO Morning Report (Service Providers View)  
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Daily Onshore  
(0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>ABHD-39 (THE OBJECTIVE IS TO DELINEATE UPPER FADHILI AND LOWER HADRIYA RESERVOIRS.)</b> Charge #: <b>(75- 21014- 0039)</b> Wellbores: (0) ABHD_39_0	Rig <b>T- 565</b>	Foreman(s) <b>NEIFER, CHAD CLAYTON/ ALDAHMOSH, HESHAM IBRAHIM/ ABDULMOHSIN, ALAA TAQI/ SHAIJI, OMAR ADNAN</b>
Engineer Superintendent  <b>THURAYA 08821677712223</b>	RIG FORMAN VSAT <b>5784291</b>	CONTRACTOR/CLERK VSAT <b>5784292</b>	

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>4587</b>	<b>DRILL 16" SECTION TO RUN 13 3/8 TD WIPER TRIP, CHC, CASING AND 2 POOH FOR CASING.</b>	<b>STAGE CEMENT</b>	<b>FR KHONAINI GAS STATION #18 CONT ON KHAFJI HIWAY 9.5KM, TURN RIGHT AND FOLLOW SIGN BOARD FOR T-565</b>	<b>12.0</b> (02/15/2023@0500)	<b>DMMM 260 101 FT LOW RUS 950 91 FT LOW UMER 1320 111 FT LOW ARUM 3240 191 LOW</b>
<b>4560</b>	Liner Size	TOL	MD	TVD	Last Csg Size <b>18 5/8</b> MD <b>998</b> TVD <b>998</b> Footage <b>27</b> Circ % <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
00.5	0500 - 0530	0	16	N	DRLG	DMS	MMOT	CDS	4560	4570			CONTINUE TO DRILL 16" SECTION TO 4570' WITH 69PCF NACL POLYMER MUD AND 100% CIRCULATION.			
03.2	0530 - 0845	0	16	E	DRLG	CIRC	MPMP	RIG	4570	4570			CIRCULATE SAMPLES UP FOR GEOLOGY, AND WAIT FOR CONFIRMATION OF CASING POINT.			
00.5	0845 - 0915	0	16	N	DRLG	DMS	MMOT	CDS	4570	4587			CONTINUE TO DRILL 16" SECTION TO TD 4587'. 100% CIRCULATION WITH 69PCF NACL POLYMER MUD.			
01.8	0915 - 1100	0	16	N	DRLG	CIRC	MPMP	RIG	4587	4587			PUMP 100BBLS HI-VIS AND CIRCULATE HOLE CLEAN.			
03.0	1100 - 1400	0	16	N	DRLG	ST	STDPA	RIG	4587	4587	4587	1000	FLOW CHECK AND POOH WITH MOTOR ASSEMBLY ON 5" DRILL PIPE FOR WIPER TRIP. STOP AT 3000' AND PUMP SLUG. HOLE IS IN GOOD CONDITION.			
02.5	1400 - 1630	0	16	N	DRLG	ST	STDPA	RIG	4587	4587	1000	4587	FLOW CHECK AT SHOE. WELL IS STATIC. RIH WITH DRILLING ASSEMBLY ON 5" DRILL PIPE. HOLE IN GOOD CONDITION. WASH LAST STAND TO BOTTOM.			
00.5	1630 - 1700	0	16	N	DRLG	SDR1	NA	RIG	4587	4587			HOLD H2S DRILL. GOOD RESPONSE FROM RIG PERSONNEL.			
02.5	1700 - 1930	0	16	N	DRLG	CIRC	MPMP	RIG	4587	4587			SWEEP HOLE WITH 200 BBL HVP & CIRCULATE HOLE CLEAN. ONCE SHAKERS CLEAN PUMP 250 BBLS INHIBITED HI-VIS AND SPOT ON BOTTOM.			
03.0	1930 - 2230	0	16	N	DRLG	TO	STDPA	RIG	4587	4587	4587	1000	FLOW CHECK AND POOH WITH MOTOR ASSEMBLY ON 5" DRILL PIPE. HOLE IS IN GOOD CONDITION.			
06.5	2230 - 0500	0	16	N	DRLG	HT	BHA	RIG	4587	4587			POOH WITH 16" MOTOR DRILLING ASSEMBLY TO SURFACE. L/D JAR, PBL SUB, MOTOR AND BIT. ONGOING AT REPORT			

ABHD-39 (ABU HADRIYA) IS PROPOSED TO BE DRILLED AS A VERTICAL OIL EXPLORATION WELL TO A TOTAL DEPTH OF 12,171' (100' INTO DRMS). THE OBJECTIVE IS TO DELINEATE UPPER FADHILI AND LOWER HADRIYA RESERVOIRS.

=====

- 24" PLANNED CP @ 130'. ACTUAL @ 120.

- 18 5/8" PLANNED CP @ 909'. ACTUAL 998' (50' INTO RUS)

- 13-3/8" PLANNED CP @ 4344'. ACTUAL @ 4587'. (57' INTO LAMS).

- 9-5/8" PLANNED CP @ 7831', ACTUAL @ XX'. (50' INTO YAMM).

- 7" PLANNED LINER @ +/- 10,343', ACTUAL @ XX' (20' INTO BUHR).

- 4-1/2" PLANNED LINER @ +/- 12,171', ACTUAL @ XX' (100' BELOW DHRUMA SHALE MEMBER).

=====RIG VISIT=====

=====POB=====

- ARAMCO MATERIAL EXPEDITOR ALMAHASHEER TAMI BADGE#8491700 ON LOCATION 2/7/2023.

\* ARAMCO GOELOGIST OMAR MASSOUD #789030 ON LOCATION SINCE 2/11/2023

\* ARAMCO GOELOGIST PDP ABDULLAH. K ALABDULLATIF #782268 ON LOCATION SINCE 2/11/202

\* ARAMCO FOREMAN SULTAN ALSHAREEF #747056 ATTENDING WELL CONTROL

=====LITHOLOGY=====

LITHOLOGY: F/ 4520' TO 4587' SHALE 80-90%, DOLOMATIC LIMESTONE 10-20%.

=====HSE=====

HSE:  
- DRILLS: 0 X TRIP DRILL, 0 X PIT DRILL, 0 X BOP, 1 X H2S DRILL, 0 X MAN DOWN DRILL, 0 X FIRE DRILL, 0 X CONFINED SPACE & 0 X ACCUMULATOR DRILL.

DISCUSS HSE ALERT 22-23

=====

- DAILY CONSUMED DIESEL= 73 BBLS. - MONTHLY CONSUMED DIESEL= 918 BBLS. WELL, ABHD-39 CONSUMED DIESEL= 1495 BBLS.

===== LOGISTICS =====

WATER SPRAY TRUCK: DRSS#1003831019, DOOR#800, PLATE # 4218 ON LOCATION SINCE 2/18/2023

=====

## NEXT WELL: ABHD-40.

- WELL CHARGE NUMBER: 75-21014-0040.

- APPROVED DRILLING PROGRAM AND ERP AVAILABLE: NO.

- LOCATION PROGRESS:

- WATER WELL:

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD		N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS
0	4526		0.15	218.19		48	4525.93		-5.29			-10.59			-5.29	0.19
0	4478		0.22	235.49		93	4477.93		-5.19			-10.47			-5.19	0.12

MUD DATA	Weight <b>69</b>	Funnel Vis. <b>63</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>20</b>	YP <b>30</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>9 / 12</b>	Gels Sec/Min <b>10 / 12</b>	PH <b>10</b>	CA PPM <b>320</b>	CL PPM <b>42000</b>
	FL Temp <b>120</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>95</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>5</b>	Sand Vol. % <b>0</b>	% LGS <b>2.98</b>	MBT <b>10</b>	Mud type <b>NCPOL</b>	Water Well # <b>ABHD-916</b>	
	Weight <b>69</b>	Funnel Vis. <b>61</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>20</b>	YP <b>28</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>7 / 11</b>	Gels Sec/Min <b>9 / 10</b>	PH <b>10</b>	CA PPM <b>320</b>	CL PPM <b>41000</b>
	FL Temp <b>120</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol. % <b>95</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>5</b>	Sand Vol. % <b>0</b>	% LGS <b>2.98</b>	MBT <b>10</b>	Mud type <b>NCPOL</b>	Water Well # <b>ABHD-916</b>	

MUD TREATMENT	<b>CAC03-25</b>	<b>CAC03-50</b>	<b>NEWDRLPLUS</b>	<b>XC</b>	<b>MAX-GUARD</b>	<b>PACLV</b>	<b>POLY-SAL</b>	<b>CAUST</b>	<b>GEM-GP</b>	<b>MRBL-M</b>
	<b>4(55LB)</b>	<b>4(55LB)</b>	<b>12(5GLD)</b>	<b>4(55LB)</b>	<b>4(55GL)</b>	<b>12(55LB)</b>	<b>20(55LB)</b>	<b>2(50LBP)</b>	<b>4(55GL)</b>	<b>2(2200L)</b>

BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out					
	<b>3</b>	<b>S423</b>	<b>16</b>	<b>SMT</b>	<b>SM1359</b>	<b>SDSI716C</b>	<b>/</b>	<b>998</b>	<b>4587</b>							
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
			<b>7</b>	<b>110</b>							<b>1550</b>	<b>750</b>		<b>79.58</b>	<b>97.81</b>	<b>0</b>

DRILL STRING	Float <b>Y</b>															
	BHA Hrs: <b>0</b>															
	String Wt. <b>252</b>	Pick Up <b>252</b>	Slack Off <b>250</b>		Rot. Torque <b>8000</b>		Jars: Serial #/Hrs				Shock Sub: <b>/</b>			Mud Motor: <b>/</b>		
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
	<b>1</b>	Bit			<b>SMT</b>	<b>16</b>	<b>1</b>	<b>16</b>		<b>1.31</b>	<b>7-5/8"</b> REG				<b>SM1359</b>	
	<b>2</b>	Mud Motor			<b>CDS</b>	<b>11.25</b>	<b>1</b>	<b>11.25</b>	<b>3.5</b>	<b>32.15</b>	<b>7-5/8"</b> REG	<b>7-5/8"</b> REG			<b>CW-1124331-</b>	
	<b>3</b>	Float Sub			<b>RIG</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>3.65</b>	<b>7-5/8"</b> REG	<b>7-5/8"</b> REG				
	<b>4</b>	String Reamer			<b>RIG</b>	<b>16</b>	<b>1</b>	<b>16</b>	<b>3</b>	<b>7.37</b>	<b>7-5/8"</b> REG	<b>7-5/8"</b> REG				
	<b>5</b>	Measurement While Drilling (MWD)			<b>CDS</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>4</b>	<b>34.48</b>	<b>7-5/8"</b> REG	<b>7-5/8"</b> REG				
	<b>6</b>	Filter Sub			<b>CDS</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>4</b>	<b>4.55</b>	<b>7-5/8"</b> REG	<b>7-5/8"</b> REG				
	<b>7</b>	String Reamer			<b>RIG</b>	<b>16</b>	<b>1</b>	<b>16</b>	<b>3</b>	<b>8.75</b>	<b>7-5/8"</b> REG	<b>7-5/8"</b> REG				
	<b>8</b>	PBL (Multiple Activation By Pass)			<b>SAM</b>	<b>9.48</b>	<b>1</b>	<b>9.48</b>	<b>1.5</b>	<b>8.41</b>	<b>7-5/8"</b> REG	<b>7-5/8"</b> REG				
	<b>9</b>	Drillcollar			<b>RIG</b>	<b>9.5</b>	<b>12</b>	<b>9.5</b>	<b>3</b>	<b>368.8</b>	<b>7-5/8"</b> REG	<b>7-5/8"</b> REG				
	<b>10</b>	Hydro-Mechanical Jar			<b>OJR</b>	<b>9.375</b>	<b>1</b>	<b>9.375</b>	<b>3</b>	<b>33.44</b>	<b>7-5/8"</b> REG	<b>7-5/8"</b> REG			<b>88715-01</b>	
	<b>11</b>	Drillcollar			<b>RIG</b>	<b>9.5</b>	<b>2</b>	<b>9.5</b>	<b>3</b>	<b>60.31</b>	<b>7-5/8"</b> REG	<b>7-5/8"</b> REG				
	<b>12</b>	Crossover			<b>RIG</b>	<b>9.375</b>	<b>1</b>	<b>9.375</b>	<b>3</b>	<b>3.05</b>	<b>6-5/8"</b> REG	<b>7-5/8"</b> REG				
	<b>13</b>	Drillcollar			<b>RIG</b>	<b>8.25</b>	<b>3</b>	<b>8.25</b>	<b>3</b>	<b>90.67</b>	<b>6-5/8"</b> REG	<b>6-5/8"</b> REG				
	<b>14</b>	Crossover			<b>RIG</b>	<b>8.5</b>	<b>1</b>	<b>8.5</b>	<b>2.813</b>	<b>3</b>	<b>4-1/2" IF</b>	<b>6-5/8"</b> REG				
	<b>15</b>	Heavy Weight Drillpipe (HWDP)			<b>RIG</b>	<b>5</b>	<b>15</b>	<b>5</b>	<b>3</b>	<b>457.73</b>	<b>4-1/2" IF</b>	<b>4-1/2" IF</b>				
	<b>16</b>	Drillpipe			<b>RIG</b>	<b>5</b>	<b>1</b>	<b>5</b>								

Miscellaneous	BOP Test <b>02/21/2023</b>	BOP Drills	Wind <b>CALM</b>	Sea	Weather <b>SEASONAL</b>	DSLTA	Safety Meeting <b>2 X TOURLY</b>
	Real-Time Data Quality	Sensors Quality	100%	Data Frequency	100%	Real-Time Hrs	10.99/24 hrs

Personnel and Services Information	COMPANY	<b>CAM</b>	<b>WDV</b>	<b>GOC</b>	<b>OTH</b>	<b>CDS</b>	<b>RIG</b>	<b>OES</b>	<b>OJR</b>	<b>SGR</b>	<b>RIG</b>	<b>ARM</b>	<b>HCM</b>	<b>OTH</b>	<b>ARM</b>	<b>SAM</b>
	CATEGORY	<b>WHES</b>	<b>DV</b>	<b>CSR</b>	<b>CTRG</b>	<b>DPDS</b>	<b>RIG</b>	<b>DFMS</b>	<b>JST</b>	<b>MLS</b>	<b>OTHR</b>	<b>OTHR</b>	<b>PCS</b>	<b>VAC</b>	<b>WSC</b>	<b>WBCS</b>
	NO. OF PERSONS	<b>2</b>	<b>1</b>	<b>7</b>	<b>16</b>	<b>4</b>	<b>46</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>16</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>1</b>
	OPERATING HRS.	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>12</b>	<b>20</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>12</b>	<b>24</b>	<b>24</b>
																Total <b>108</b>

	ON LOCATION HRS.	12	12	24	24	24	24	0	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers <b>AB-0715</b>															
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>6</b>	Barite- SX <b>140</b>	Bentonite - SX <b>54</b>	Cement G- SX <b>1950</b>										
REPAIR ASAP	Instrumentation	Other														Reporter

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HRDH-2501 (MK-1 VERTICAL 450 FT INTO KFDA)</b> Charge #: <b>(66- 22058- #: 2501)</b> Wellbores: (0) HRDH_2501_0	Rig <b>T- 568</b> Engineer Superintendent	Foreman(s) <b>MOSTAFA, ALI KHALIL/ SAKR, OMAR ABDELAZIZ/ ALMOHAREB, FAISAL MOHAMMED/ CASTILLO PINA, FELIX LEONARDO/ QAHTANI, MOHAMMED TURKI</b>
THURAYA <b>8821677712622</b>	RIG FORMAN VSAT <b>013-5773532</b>	CONTRACTOR/CLERK VSAT <b>8073566 SAIPEM OFFICE</b>	CONTRACTOR/CLERK VSAT <b>013-5773531 ARAMCO CLERK</b>

Depth	Last 24 hr operations			Next 24 hr plan			Location						Days Since Spud/Comm (Date)		Formation tops	
0	<b>GENERAL RIG DOWN @ HRDH-2352 &amp; RIG MOVE TO HRDH-2501.</b>			<b>GENERAL RIG DOWN @ HRDH-2352 &amp; RIG MOVE TO HRDH-2501.</b>			<b>40 KM BEFORE HRDH BRIDGE,(+/- 75 KM F(UDH) U TURN TO HARMALIAYA ROAD 8 KM BALACK TOP THEN LEFT SIDE</b>						<b>0.0 (@)</b>			
Prev. Depth	Liner Size			TOL	MD	TVD	Last Csg Size			MD	TVD	Footage	Circ %			
Hrs	(From - To)		Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth				
							Start	End		Start	End			Summary of Operations		
24.0	0500 - 0500		0		M	RM	RM	NA	RIG	0	0			<p><b>PJSM. GENERAL RIG DOWN @ HRDH-2352 AND MOVE TO HRDH-2501.</b></p> <p>&gt; MOVE &amp; SET MAIN CAMP TO NEW LOCATION  &gt; MOVE MUD TANKS TO NEW LOCATION  &gt; MOVE DRAWWORKS, AND MISCELLANEOUS ITEMS.  &gt; MOVE DUMP LINE TO NEW LOCATION  &gt; MOVE TOWER LIGHT TO NEW LOCATION  &gt; MOVE V-DOOR TO NEW LOCATION  &gt; MOVE PROTECTOR BOX TO NEW LOCATION  &gt; MOVE H- FRAME TO NEW LOCATION  &gt; MOVE LADDERS TO NEW LOCATION</p> <p><b>TOTAL LOAD - 104</b>  <b>LOADS TODAY - 54</b>  <b>SIES-52</b>  <b>ARAMCO- 2</b></p> <p><b>RIG DOWN: 65%.</b>  <b>RIG MOVE: 20%.</b>  <b>RIG UP: 10%</b></p> <p>* MOVING DISTANCE: 12.0 KM SKID ROAD AND 59 KM ASPHALT ROAD, TOTAL 71 KM.</p>		

**WELL OBJECTIVE: HRDH-2501 IS PLANNED AS MK-1 WELL TO BE DRILLED AS A VERTICAL WELL TARGETING KHUFF-C RESERVOIR AS PRIMARY TARGET AND KHUFF-B AS SECONDARY TARGET. THE WELL WILL BE COMPLETED WITH 15K.**

WELLSITE SERVICES

- > WELLSITE EQUIPMENT: 1 X WATER TANKER (6000 GAL) FOR DUST CONTROL, COMPANY VENDOR, AL-AJINAH.

## > NEXT WELL:

## **SLR CUTTING RECOVERY SYSTEM ON LOCATION**

- #### ► SLB CUTTING RECOVERY SYSTEM ON LOCATION

#### **SAFETY SUMMARY: -**

- DRILLS: NONE
  - NEAR MISS: SLS#4483805
  - ALERTS: NONE

#### **= RIG MOVE PERSONNEL**

- > CRANES: 5, FORKLIFTS: 2, LOW BED TRUCKS: 15, FLAT BED TRUCKS: 11  
> TRUCK PUSHERS: 2, RIGGER: 2, SAFETY OFFICER: 2.  
> MOVE DISTANCE: 71 KM

—



Date <b>MONDAY</b> 02/27/2023	Well No (Type) : <b>UTMN-3080</b> (K-1 S-SHAPE WELL)	Rig <b>T-569</b>	Foreman(s) <b>MIKHAIL, RAMY FARAG/ ELAISSAOUI, KHALED/</b> Engineer <b>UWE, JONATHAN SOLA CHIBOGWU/</b> Superintendent <b>JALLAL, FAISAL ALI</b>	
Charge #: <b>(66- 22057- 3080)</b> (- Wellbores: 1- UTMN_3080_2 1)	RIG THURAYA +8821677711003	FORMAN VSAT 577-5844	OTHER VSAT 577-9616 FCT 807-8374 - CLINIC 807-8371 - TOOL PUSHER	OTHER VSAT 577-9615

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops										
<b>10116</b>	<b>CIRC. THROUGH CHOKE, BLIND MOTOR DRILL 12" HOLE SECTION TO 9 5/8" CSG POINT AT +/- 10,116' MD/10,110' TVD (30' INTO BJDM) , CHC</b>	<b>WIPER TRIP , CHC, SPOT CSG GO PILL, POOH 12" DRLG ASSY. &amp; L/D , RUN 9 5/8" LINER.</b>	<b>141 KM FROM DH MAIN GATE</b>	<b>97.9 (11/21/2022@0630)</b>	<b>ABCR 6292 19' DEEPER</b> <b>ARBD 6402 38' DEEPER (6,403' MD)</b> <b>BADR 6845 11' DEEPER (6,846' MD)</b> <b>HNIF 7373 27' DEEPER</b> <b>TQMN 7756 26' DEEPER</b> <b>HDR 7764 1' DEEPER</b> <b>BHDR 7830 17' DEEPER</b> <b>DHRM 8010 52' DEEPER</b> <b>LFDR 8047 48' DEEPER</b> <b>BLFR 8159 3' SHALLOWER</b> <b>HURN 8712 4' DEEPER</b> <b>MRRT 8831 6' DEEPER</b> <b>MNJR 9258 72' SHALLOWER.</b> <b>JILH 9720 7' DEEPER (9715 TVD )</b> <b>BJDM 10086 10' DEEPER (10080' TVD )</b> <b>JLDM 9945 6' DEEPER (9939' TVD )</b>										
Prev. Depth <b>9934</b>	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage <b>13 3/8 71387138 182</b>										
Hrs (From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Start	End	Start	End	Summary of Operations	
04.0	0500 - 0900	0-1-1	12	N	DRLG	CIRC	MPMP	RIG	9934	9934					POOH ONE STAND AWAY FROM STATIONARY AREA, MOVE STRING WHILE CIRC. WITH 75 PCF MUD WITH NO RETURN, SWITCHED TO INHIBITED PHPA MIX ON FLY AND CON'T CIRC. WHILE BUILD MUD SYSTEM AND ARRANGE TANKS >> PUMP 85 PCF MUD CAP IN BACKSIDE WITH 2 BPM CONTINUOUSLY
01.0	0900 - 1000	0-1-1	12	N	DRLG	CIRC	MPMP	RIG	9934	9934					WASH & REAM DOWN WITH 12" DRLG ASSY. WITH FULL PARAMETERS TILL TAG BOTTOM AT 9,934' >> PUMP 85 PCF MUD CAP IN BACKSIDE WITH 2 BPM CONTINUOUSLY
18.0	1000 - 0400	0-1-1	12	N	DRLG	DMR	MMOT	SDM	9934	10116					BLIND DRILL 12" SECTION WITH SCHL. MOTOR/MWD WITH MIX ON FLY INHIBITED PHPA TO 9 5/8" CSG POINT AT 10116' MD, 10110' TVD (30' INTO BASE JILH DOLOMITE ) >> 800 GPM & 40 SURFACE RPM >> WASH UP & REAM DOWN FULL STAND DRILLED >> RECORD SURVEY EACH STD 30' OFF BTM & REAM DOWN FOR CONNECTION >> PUMP 100 BBL INHIBITED HI-VIS EVERY 30' DRILLED >> SPOT 100 BBL INHIBITED HI-VIS BEFORE CONNECTION >> PUMP 90 PCF MUD CAP IN BACKSIDE WITH 2 BPM CONTINUOUSLY
01.0	0400 - 0500	0-1-1	12	N	DRLG	CIRC	MPMP	RIG	10116	10116					SWEEP HOLE WITH 100 BBLS INHIBITED HI-VIS, CIRC. HOLE CLEAN TO LOSS ZONE - ONGOING. >> PUMP MUD CAP 90 PCF IN BACKSIDE WITH 2 BPM CONTINUOUSLY

UTMN-3080 IS PLANNED TO BE DRILLED AS K-1 S-SHAPE WELL DESIGN TO 234 FT INTO TAWIL FORMATION AT 15,630' MD / 14,750' TVD TO ASSESS THE DEVELOPMENT OF JAUF AND UNYZ RESERVOIRS AS PRIMARY AND KHUFF-B/C AS SECONDARY OBJECTIVES WITH MAXIMUM INCLINATION OF 37 DEG. AND A VERTICAL DISPLACEMENT OF 3,000 FT.

=====\*\* PERSONNEL ON LOCATION\*\*

>> RIG CLERK MOHAN KUMAR THAPA #8145014 ON LOC. 12/30/2020  
 >> DOECD FCT ANAS HOMMADI #295394 ON LOC. 2/21/2023.  
 >> GDD FCT OMAR ALZUWAIDI #796602 ON LOC. 02/22/2023.  
 >> PDP FAISAL M. ALSHAMMARI #814204 ON LOC. 2/06/ LEFT 2/16/23 FOR DAYS OFF, BACK TO LOC. 2/23/23.  
 >> PDP AHMED ALHADHIRA #819113 ON LOC. 2/24/2023

=====\*\* SERVICE ON LOCATION \*\*

>> EMEC MUD ENGINEER ON LOCATION.  
 >> ADDITIONAL EMEC MUD ENGINEER ON 1/26/23.  
 >> SLB MWD CREW ON LOCATION 01/29/2022 @ 22:00 HRS  
 >> SCHL. BARITE SILO OPERATOR ON LOC. 1/12/23  
 >> SCHL. FRAC TANK OPERATOR ON LOC. 2/8/23  
 >> BAKER L. HANGER ON LOC. 2/26/23 @ 17:00 HRS  
 >> TAQA CMT CREW & UNIT ON LOC. 2/26/23 @ 23:00 HRS  
 >> ITS CREW & TOOLS ON LOC. 2/26/23 @ 18:00 HRS

=====SAFETY \*\*

>> SAFETY MEETING: RIG MOVE INCIDENTS, PINCH POINTS HAZARDS, HSEGAP AUDIT PREPARATIONS.  
 >> GDD HSE CAMPAIGN DAILY SAFETY TOPICS REVIEW: ELECTRICAL SAFETY

>> HSE ALERT DISCUSSED:

20-23 HAND INJURY WHILE USING IRON ROUGHNECK

21-23 FALL FROM DIFFERENT LEVELS DURING RIG MOVE

22-23 AUXILIARY CYLINDER FRAME DAMAGED WHILE LOWERING THE MAST

23-23 WINDY WEATHER INCIDENT

FALL FROM HEIGHT DURING THE RIG-UP OPER

SIES ALERT 03-23 "AIR WINCH WIRE ROPE PARTED

>> NEAR MISS YTD: 05

>> LTI DAYS FREE: 1132

>> DRILLS: TRIP

=====PLAN VS ACTUAL CSG SETTING DEPTHS=====

> 30" CSG POINT PLAN AT 573' (50' INTO RUS FM), ACTUAL AT 532' - FLAT TIME PLAN: 46.9 HR, ACTUAL 58.5 HR  
 > 24" CSG POINT PLAN AT 2377' (50' INTO AHMADI FM), ACTUAL AT 2328' - FLAT TIME PLAN: 89 HR, ACTUAL 84 HR  
 > 18-5/8" CSG POINT PLAN AT 4619' (50' INTO MID THAMAMA FM), ACTUAL AT 4073' - FLAT TIME PLAN: 121.7 HR, ACTUAL 121 HR  
 > 13-3/8" CSG POINT PLAN AT 7,606' MD/7,238' TVD (300' INTO BASE ARAB-D), ACTUAL AT 7,146' - FLAT TIME PLAN: 126.1 HR, ACTUAL 150 HR

=====RENTAL TOOLS \*\*

>> RECEIVED SLB 8" JAR WITH 6 5/8" REG CON SN: 36376J ON LOCATION ON 2/12/2023 @ 23:00, P/U 2/15/23 AT 21:30 HRS, L/D 2/16/23 AT 17:30 HRS, P/U 2/17/22 AT 00:00 HRS, L/D 2/17/23 AT 18:30 HRS, P/U 2/20/2023 AT 22:00 HRS, L/D 2/23/23 @ 23:00 HRS. BACKLOADED 02/26  
 >> RECEIVED SLB 8" JAR WITH 6 5/8" REG CON SN: 25924JA ON LOCATION ON 2/22/2023 @ 20:30, P/U 2/24/23 @ 05:00 HRS.

=====\*\* GDD COST OPTIMIZATION \*\*

>> FRAC TANK: 2 X 500 FRAC TANK ON 12/16/2022  
>> FRAC TANK: 2 X 500 FRAC TANK ON 02/10/2023  
>> KILL MUD: 1000 BBL 152 PCF WBM ON LOC.  
>> ACID: SANJEL 100 BBL 20% VDA ON LOC @ 12/14/2022 @ 15:00, STOP CHARGE 1/6/23, START CHARGE 1/21/2023, STOP CHARGE 1/26/22. START CHARGE 2/2/2/23. STOP CHARGE 2/25/23.  
>> 2 EA BARITE SILOS WITH OPERATOR ON LOC. 1/12/23

>> DAILY DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP): 61 BBLS, CUMULATIVE DIESEL CONSUMPTION PER WELL = 4982 BBLS

**\*\* MISC.\*\***

>> NEXT WELL: UTMN-2307 80% READY AS PER WELLSITE ENGINEER LAST UPDATE ON 1/30/2023

>> WATER WELLS: UTMN-808

**>> WATER WELL: UTMN- 906 SHARED WITH NBR-797**

## >> 2 X VACCUM TANKERS COMPANY:AL-FUWAILEH, DR

>> 1X DUMP TRUCK ON LOCATION/ COMPANY:AL-FUWAILEH DRSS#1003833567 PALATE#,3923 DOOR#736

**\*\* KCA DEUTAG RIG VISIT \*\***

>> KCA SUPERVISOR VISIT RIG ON 1/2/2023, 1/15/23, 1/23/23, 1/27/23, 02/08/23, 2/17-18/23 , 2/25/23

## Remarks

GDD DIV.#4 SUPT. FAISAL JALLAL VISITED RIG SITE DISCUSSED CURRENT AND PLANNED OPERATION, PRECAUTIONS WHILE BLIND DRILLING, CORRECT BLIND DRLG TECHNIQUE, IMPORTANCE OF MUD CAP RECORD WT. AND VOLUME

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
0-1-1	10014	4.06	252.70	95	10008.24	-18.81	-145.30	-183.2	0.08
0-1-1	9919	4.13	252.16	94	9913.48	-16.76	-138.83	-176.49	1.11
0-1-1	9825	3.25	243.38	94	9819.68	-14.53	-133.23	-170.47	1.53
0-1-1	9731	1.98	227.95	96	9725.78	-12.25	-129.64	-166.25	1.03
0-1-1	9635	1.44	199.73	95	9629.82	-10.01	-128.00	-163.79	0.22

S-PHPA-S XANPLEX-D PAPH-L-DON NACL PACLV BARITE-BULK BARITE FLO-TROL CAUST DUOVIS-NS

TREATMENT	120(55LB)	20(55LB)	20(5GL)	14(2200L)	30(55LB)	53(BLK)	26(5000L)	30(55LB)	55(50LB)	20(55LB)	
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out
	15RR	M423	12	SEC	12830123	GT86DH / 8 X 14 /	1.203	9401	10116		
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure
									GPM	Jet Vel	DP Av
			25	40					1800	750	200
									161.6	256.2	136

Miscellaneous	BOP Test <b>02/19/2023</b>	BOP Drills	Wind <b>WINDY</b>	Sea <b>N/A</b>	Weather <b>COLD</b>	DSLTA	Safety Meeting <b>DAILY OPERATION</b>
	Real-Time Data Quality	Sensors Quality	100%	Data Frequency	100%	Real-Time Hrs	10.99/24 hrs

COMPANY	RIG	SDM	RIG	FMC	SMI	MJH	SIS	RIG	ARM	ARM	BLH	SJC	ITS
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Personnel and Services Information	COMM ANTR	RIG	CDM	RIG	LNG	CMD	MCH	SOC	RIG	ARM	ARM	DELT	SOC	TC	Total <b>101</b>
	CATEGORY	CTR G	DPDS	RIG	DFMS	DFMS	SEC	JST	OTHR	OTHR	WSC	LHES	PCS	CSR	
	NO. OF PERSONS	15	4	42	2	2	6	0	15	4	2	1	3	5	
	OPERATING HRS.	0	24	24	12	12	12	24	12	12	24	12	0	0	
	ON LOCATION HRS.	24	24	24	24	24	24	0	24	24	24	12	6	10	

Trucks/Boats      Standby/Tankers  
**AB-6318**

BULK	Drill Wtr--BBLS	Pot Wtr - BBLS	PUB BBLS <b>822</b>	Banter SA <b>266</b>	Bentonite SA <b>66</b>	Cement SA <b>6830</b>
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REPAIR ASAP	Instrumentation	Other	Reporter
Computer, Communication & V-Sat Issues			

Date MONDAY 02/27/2023	Well No (Type): GHZL-113 (ULTRA-SLIM PILOT HOLE TO 150 FT. INTO PUZU) Charge (66- 22075- #: 0113) Wellbores: (0) GHZL_113_0	Rig T- 570	Foreman(s) Engineer Superintendent THURAYA +8821677712593	BECHA, BELGACEM/ AZROU, ABDELHAFID/ TALHAN, ABDULRAHMAN HUSSAIN/ SIAM, ABDELALIZ/ MEQBEL, ALI NASSER RIG FORMAN VSAT 013-576-3773	OTHER VSAT 013-576-5691 SAFETY 013-807-8375 CONTRACTOR 013-576-5693 ARAMCO CLERK	CONTRACTOR/CLERK VSAT	CONTRACTOR/CLERK VSAT
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Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
12402	ROT DRILL 5-7/8" VERTICAL HOLE TO 12,402', CHC, POH TO CHANGE SLB MWD TOOL.	POH, CHANGE SLB MWD TOOL, RIH WITH 5-7/8" ROTARY BHA, ROT DRILL 5-7/8" VERTICAL HOLE TO +/- 13,496'.	330 KM FROM DH MAIN GATE.	24.2 (02/03/2023@0000)	SUDR 11019 15' SHALLOWER SDDM 11441 38' DEEPER KHFF 11979 55' DEEPER
Prev. Depth 12050	Liner Size 7	TOL 4367	MD 11985	TVD 11985	Last Csg Size MD TVD Footage 9 5/8 46844684 352 Circ % 100

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations			
									Start	End	Start	End						
08.0	0500 - 1300	0	5 7/8	N	DRLG	D	TDS	RIG	12050	12402					ROTARY DRLG 5-7/8" VERT HOLE WITH SLB MWD/GR AND 81 PCF OBM & 100% RETURN. - DRILL WITH CONTROL PARAMETERS DUE TO HI-SHOCKS IN SLB TOOL. - PUMP 40 BBL SEALING PILL EV STAND. - REAM EACH STAND DRILLED. - LOADED MUD SYSTEM WITH BRIDGING MATERIALS. - TOOK SURVEY EACH STAND AT 30' OFF BOTTOM. - FLOW CHECK DURING CONNECTION.			
07.8	1300 - 2045	0	5 7/8	N	DRLG	OTH	NA	SDM	12402	12402					BHA 909564 CUMULATIVE TIME FOR TROUBLESHOOTING SLB MWD & GR TOOL.			
02.0	2045 - 2245	0	5 7/8	N	DRLG	CIRC	MPMP	RIG	12402	12402					BHA 909564 SWEEP HOLE WITH 1 X HVP AND CHC TILL SHAKER CLEAN. - FLOW CHECK - WELL STATIC. - SPOT 50 BBL SEALING PILL ON BTM.			
01.0	2245 - 2345	0	5 7/8	N	DRLG	ST	STDP	RIG	12402	12402	12402	11985	BHA	909564	HPJSM, POH 5-7/8" ROTARY WITH SLB MWD BHA TO 7" LINER SHOE AT 11985'. - FLOW CHECK AT 7" LS - WELL STATIC, SLUG PIPE.			
00.8	2345 - 0030	0	5 7/8	N	DRLG	TO	STDP	RIG	12402	12402	11985	10500	BHA	909564	POH 5-7/8" ROTARY WITH SLB MWD BHA ON 5.5" DP TO 10500'.			
00.5	0030 - 0100	0	5 7/8	N	DRLG	HT	PEL	RIG	12402	12402					BHA 909564 CHANGE HANDLING TOOLS TO 4".			
04.0	0100 - 0500	0	5 7/8	N	DRLG	TO	SPDP	RIG	12402	12402	10500	2500	BHA	909564	POH 5-7/8" ROTARY WITH SLB MWD BHA ON 4" DP TO 2500'....ONGOING. - FLOW CHECK AT TOL - WELL STATIC.			

#### Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
27 Feb 1300 - 0500	16	16	909564		BHA	FOT	MWD	SDM	12402	MWD & GR TOOL FAILURE.

GHZL-113, WHICH WILL BE DRILLED AS GAS-EVALUATION/PRODUCER IN GHZL. THE WELL IS LOCATED 1.442 KM N38W OF GHZL-67 AND 1.448 KM N14W OF GHZL-840.

GHZL-113 WILL BE DRILLED AS AN ULTRA-SLIM VERTICAL WELL TO 150 FT. INTO PUZU. BASED ON OPEN-HOLE LOGS, THERE WILL BE TWO OPTIONS TO COMPLETE THE WELL (1) VERTICAL COMPLETION WITH 15K 4-1/2" CEMENTED LINER (2) SIDETRACK AND PRE-SET IN UNAYZAH FOR FUTURE UBCTD.

=====POB=====

- ARAMCO CLERK TAHIR ZAMAN ID#8546104 ON LOCATION SINCE 10/29/2022.

=====FLAT TIME KPI=====

RIG MOVE KPI: 12.51 DAYS, ACTUAL: 11.1 DAYS.

DP TRIPPING KPI: 19 STD/HR / ACTUAL: 20 STD/HR.

18-5/8" CSG KPI: 7 JT/HR / ACTUAL: 7 JT/HR

13-3/8" CSG KPI: 11.5 JT/HR / ACTUAL: 12 JTS/HR

9-5/8" CSG KPI: 14 JT/HR/ACTUAL: 15.2 JTS/HR

7" LINER KPI: 14 JT/HR/ACTUAL: 14.15 JTS/HR

4-1/2" TBG KPI: 13 JT/HR / ACTUAL: XX JT/HR

4-1/2" UPPER COMPLETION KPI: 13.5 JT/HR / ACTUAL: XX JT/HR

INSTALL 13 3/8" X 13 5/8" 10M WELLHEAD KPI: 4 HR / ACTUAL: 4 HR.

INSTALL 9 5/8" X 11" 10M / 10M WELLHEAD KPI: 4 HR / ACTUAL: 2 HR.

=====CASING SETTING DEPTHS=====

22" SECTION: +/-120' / ACTUAL: 120'.

16" SECTION: 1,328' (-400 INTO WASIA) / ACTUAL: 1200'.

12" SECTION: 4,633' (-50' INTO HITH) / ACTUAL: 4685'.

8-3/8" SECTION: 11,934' MD (+/-10' TVD INTO KHUFF FM) / ACTUAL: 11989'.

5-7/8" SECTION: 14,530' MD (-150' INTO PUZU FM) / ACTUAL:

=====SAFETY TOPIC=====

PRE-TOUR SAFETY MEETING: (2), WEEKLY SAFETY MEETING (0), COLD PTW: (9), HOT PTW:(0), ELECTRICAL PTW (1) CONFINED SPACE: (1), JSA: (11), STOP CARDS: (14), NM:(0).

DISCUSS SET CARDS SUBMITTED - SAFETY CAPTAIN OBSERVATIONS AND SWA DONE.

DAILY PERFORMANCE MONITORING PPT SET, TRIC & ACTIVE MONITORING IMPLEMENTATION STATUS

KCA D EMPLOYEE REFRESH ABOUT SLAM-SET CARDS-TRIC -SITUATIONAL AWARENESS FOR NEW CREW

PERMIT TO WORK SYSTEM PROCEDURE

SAFETY PRECAUTION DURING DRILLING,

GENERAL MAINTENANCE AND HOUSEKEEPING ON LOCATION.

ACTIVE MONITORING CHECKLIST, PROCEDURE & STANDARDS

DROP OBJECTS ,HOUSEKEEPING

HAZARD HUNT - STORES

LIFESAVING RULES: 6-LINE OF FIRE

DOECD KEY HSE FOCUS AREA CAMPAIGN - HAZARD RECOGNITION AND COMPLACENCY

SIES SET CARD IMPLEMENTATION STATUS DAILY REPORT

GOOD CATCHES LEARNING AWARENESS PPT

HSE ALERT:

- HSE ALERT 20-23 HAND INJURY WHILE USING IRON ROUGHNECK

- HSE ALERT 21-23 FALL FROM DIFFERENT LEVELS DURING RIG MOVE

- HSE ALERT 22-23 AUXILIARY CYLINDER FRAME DAMAGED WHILE LOWERING THE MAST

- HSE ALERT 23-23 WINDY WEATHER INCIDENT

DRILL CONDUCTED

STOP WORK AUTHORITY X2, PIT DRILL X2

=====RENTAL TOOLS=====

RECIEVED 4-3/4" HDA-JAR SN: HJDA-475-0066 ON 2/22/23 @ 08:30. P/UP AT 08:00 HR ON 02-24-2023.

RECIEVED 4-3/4" HDA-JAR SN: HMJ-475-0018 ON 2/24/23 @ 13:00.

=====RENTAL EQUIPMENT=====

- TOTAL SAFETY STAND ALONE H2S SENSORS ON LOCATION SINCE 01/30/2023.

- 3 X BARIOD FRAC TANKS SPOT ON LOCATION SINCE 02/06/2023.

- HALL MUD LOGGING RIGGED UP 100% ON 02/25/2023.

=====WELLSITE EQUIPMENT ON LOCATION =====

- 3 X VACUUM TANKERS TAMIMI DRSS#100384175 PLATES (6279, 8909, 2155) UPDATED ON 02/24/2023.

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## NEXT WELL GHZL-114: READY 100%.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD		N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS
0	12240		0.59	122.62		94		12238.47		-92.30			39.36			-92.3	0.02
0	12146		0.60	121.35		93		12144.47		-91.78			38.53			-91.78	0.31
0	12053		0.37	101.05		142		12051.48		-91.47			37.82			-91.47	0.17
MUD DATA	Weight 81 PCF	Funnel Vis. 52 SEC	Filtrate(WL) 1.8 HTHP	Filtrate (WL) API	PV 19	YP 15	Electrical Stability 534 Volts	3/6 RPM 6 / 7	Gels Sec/Min 9 / 11	PH 0	CA PPM 0	CL PPM 40000					
	FL Temp 150	Cake HTHP 1	Cake API 0	Water Vol. % 21	Oil Vol. % 61	Solids Vol. % 18	Sand Vol. % 0	% LGS 4.7	MBT 0	Mud type INVER	Water Well # GHZL-809, GHZL-802						
	Weight 81 PCF	Funnel Vis. 52 SEC	Filtrate(WL) 1.6 HTHP	Filtrate (WL) API	PV 17	YP 15	Electrical Stability 420 Volts	3/6 RPM 6 / 7	Gels Sec/Min 8 / 10	PH 0	CA PPM 0	CL PPM 40000					
	FL Temp 150	Cake HTHP 1	Cake API 0	Water Vol. % 21	Oil Vol. % 61	Solids Vol. % 18	Sand Vol. % 0	% LGS 4.7	MBT 0	Mud type INVER	Water Well # GHZL-809, GHZL-802						
MUD TREATMENT	BARITE S-PMUL S-SMUL CARBOTROL CAOH2 STELSEALFN STELSL50 CACO3-50 NF25 NF-5																
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out						
	6	M233	5.875	REED	S292431	TK63M1B	/ X 12 /	0.331	11989	12402							
DRILL STRING	Feet	Hours	WOB	RPM	I-Row O-Row	DC Loc	B G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHp				
	15	130						3850	300	291	1723.78	630.23	143				
Miscellaneous	Float	Y															
	BHA Hrs:																
	String Wt.	Pick Up	Slack Off		Rot. Torque				Jars:								
					4500				Serial #/Hrs								
	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #			
	1	Bit	REED	5.875	1	5.875		0.54	3-1/2" REG					S292431			
	2	Bit Sub	RIG	4.75	1	4.75	2.25	3	3.5" REG	3-1/2" IF				800083			
	3	Pony Collar	RIG	4.75	1	4.75	2.25	15	3.5" IF	3.5" IF				S965935			
	4	String Reamer	RIG	5.875	1	5.875	2.25	6.07	3.5" IF	3.5" IF				213818			
	5	Measurement While Drilling (MWD)	SPS	4.75	1	4.75	2.61	29.86	3-1/2" IF	3-1/2" IF				13203451			
	6	Filter Sub	SPS	4.75	1	4.75	2.16	6.05	3-1/2" IF	3-1/2" IF				12921852			
	7	String Reamer	RIG	5.875	1	5.875	2.25	5.8	3.5" IF	3.5" IF				47501041			
	8	Drillcollar	RIG	4.75	27	4.75	2.25	829.23	3.5" IF	3.5" IF				TALLY			
	9	Crossover	RIG	4.75	1	4.75	2.25	2.7	XT-39	3.5" IF							
	10	Hydro-Mechanical Jar	OJR	4.75	1	4.75	2.25	31.8	XT-39	XT-39				HJDA4750066			
	11	Crossover	RIG	4.75	1	4.75	2.25	2.7	3.5" IF	XT-39							
	12	Drillcollar	RIG	4.78	2	4.75	2.25	61.52	3.5" IF	3.5" IF							
	13	Crossover	RIG	4.75	1	4.75	2.5	2.62	XT-39	3.5" IF							
	14	Heavy Weight Drillpipe (HWDP)	RIG	4	15	4	2.25	461.1	XT-39	XT-39				TALLY			
	15	Drillpipe	RIG	4	286	4	3.34	8723	XT-39	XT-39							
	16	Crossover	RIG	5.5	1	5.5	2.16	3	XT-54	XT-39							
	17	Drillpipe	RIG	5.5	1	5.5	4.75		XT-54	XT-54							
	BOP Test	BOP Drills		Wind	Sea	Weather			DSLTA	Safety Meeting							
	02/23/2023	02/23/2023		MODERATE	N/A	COLD				2 EA							
Personnel and Services Information	Real-Time Data Quality		Sensors Quality		100%	Data Frequency		100%	Real-Time Hrs		10.99/24 hrs						
	COMPANY		RTC	RIG	RIG	BAR	TSF	SDM	HMS	RIG	ARM	OTH	M12	OTH	ARM		
	CATEGORY		BITS	CTRG	RIG	DFMS	H2S	LWD	MLS	OTHR	OTHR	RENT	SCS	VAC	WSC		Total 92
	NO. OF PERSONS		1	16	37	2	1	2	3	19	1	2	2	3	3		
	OPERATING HRS.		24	0	24	24	24	24	24	0	12	12	12	10	24		
Trucks/Boats	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24	24	24	24		
	DH-1564																
BULK	Drill Wtr-BBLS		Pot Wtr- BBLS		Fuel- BBLS		Barite- SX		Bentonite - SX		Cement G- SX 1850						
REPAIR ASAP	Instrumentation		Other		Computer, Communication & V-Sat Issues												Reporter

Date <b>MONDAY</b> 02/27/2023	Well No (Type) : <b>HRDH-1995</b> (HRDH-1995 IS PLANNED AS VERTICAL MK-2 WELL TARGETING UNZA RES WITH 15K CEMENTED LINER COMPLETION ) Charge (66- 22058- #: 1995) Wellbores: (0) HRDH_1995..0	Rig <b>T-571</b>	Foreman(s) <b>HUFNAGEL, DANIEL DOMINIK/ HARTHI, HUSSAIN AHMAD/ MOHAMMED, ABDULRAHMAN ABDULMAJEED/</b> Engineer Superintendent <b>JAMEEL, RIZWAN MUHAMMAD/ JALLAL, FAISAL ALI</b>	THURAYA <b>+8821677712553</b> FOREMAN: 013 5773913 0138078384 RIG TOOLPUSHER 0138078387 RIG CLINIC	RIG FORMAN VSAT <b>OTHER VSAT</b>	OTHER VSAT <b>CONTRACTOR/CLERK VSAT</b>	CONTRACTOR/CLERK <b>CLERK: 013 5778972</b>
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Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
12110	<b>PERFORM WIPER TRIP, CHC, SPOT LOGGING PILL, POOH &amp; L/D BHA, RIH WITH WIRELINE LOGGING RUN #1 (COMBINED QUAD COMBO RUN).</b>	<b>RUN # 1 WITH WIRELINE LOGGING, RUN # 2 HRDH-1995 WITH WIRELINE LOGGING. (COMBINED QUAD COMBO RUN)</b>		<b>41.8 (01/16/2023@1100)</b>	<b>MRRT 8268 9 FT DEEPER BJDM 8898 9 FT SHALLOWER MDJR 9169 1 FT DEEPER SUDR 9838 4 FT SHALLOWER SDDM 10103 7 FT SHALLOWER BSRD 10135 1 FT DEEPER KHFF 10422 2 FT DEEPER KFAC 10455 6 FT DEEPER KFAR 10503 9 FT DEEPER KFBC 10564 5 FT DEEPER KFBR 10620 5 FT DEEPER KFB2 10712 5 FT DEEPER KFB3 10767 8 FT DEEPER KFB4 10802 6 FT DEEPER KFB5 10844 7 FT DEEPER KFB6 10903 4 FT DEEPER KFB7 10968 5 FT DEEPER KFCC 11032 6 FT DEEPER KC01 11050 NA KC02 11076 3 FT DEEPER KC03 11091 5 FT DEEPER KC04 11108 6 FT DEEPER KC05 11124 6 FT DEEPER KC06 11139 5 FT DEEPER KC07 11154 4 FT DEEPER KC08 11175 4 FT DEEPER KC09 11201 3 FT DEEPER KC10 11214 2 FT DEEPER KC11 11249 SAME KC12 11285 2 FT DEEPER KFDA 11302 5 FT DEEPER BKDC 11806 3 FT DEEPER PKFU 11859 1 FT DEEPER</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
12110	<b>9 5/8</b>	<b>8616</b>	<b>10429</b>	<b>10429</b>	<b>9 5/8</b>	<b>89258925</b>		<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth				Event depth				Summary of Operations					
									Start	End	Start	End	Start	End	Start	End	Start	End	Start	End		
03.5	<b>0500 - 0830</b>	<b>0</b>	<b>5 7/8</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>12110</b>	<b>12110</b>							<b>CIRCULATE HOLE CLEAN</b> <b>&gt;&gt; PUMP 50 BBLS DRILL N SEAL</b> <b>&gt;&gt; PUMP AND SPOT 40 BBLS LOGGING GO PILL.</b> <b>&gt;&gt; FLOW CHECK, OK</b>					
02.0	<b>0830 - 1030</b>	<b>0</b>	<b>5 7/8</b>	<b>N</b>	<b>DRLG</b>	<b>TO</b>	<b>STDP</b>	<b>RIG</b>	<b>12110</b>	<b>12110</b>	<b>12110</b>	<b>10429</b>					<b>POOH TO PREVIOUS CASING SHOE AT 10,429'.</b> <b>&gt;&gt; HOLE IN GOOD CONDITION.</b> <b>&gt;&gt; MONITOR WELL ON TRIP TANK.</b>					
00.5	<b>1030 - 1100</b>	<b>0</b>	<b>6 1/8</b>	<b>N</b>	<b>DRLG</b>	<b>SDR1</b>	<b>NA</b>	<b>RIG</b>	<b>12110</b>	<b>12110</b>							<b>FLOW CHECK - WELL STATIC</b>					
00.5	<b>1100 - 1130</b>	<b>0</b>	<b>5 7/8</b>	<b>N</b>	<b>DRLG</b>	<b>RR</b>	<b>TDS</b>	<b>RIG</b>	<b>12110</b>	<b>12110</b>							<b>SERVICE RIG</b>					
04.0	<b>1130 - 1530</b>	<b>0</b>	<b>5 7/8</b>	<b>N</b>	<b>DRLG</b>	<b>TO</b>	<b>STDP</b>	<b>RIG</b>	<b>12110</b>	<b>12110</b>	<b>10429</b>	<b>1261</b>					<b>POOH TO BHA AT 1,261'.</b> <b>&gt;&gt; HOLE IN GOOD CONDITION.</b> <b>&gt;&gt; MONITOR WELL ON TRIP TANK.</b>					
00.5	<b>1530 - 1600</b>	<b>0</b>	<b>5 7/8</b>	<b>N</b>	<b>DRLG</b>	<b>SDR1</b>	<b>NA</b>	<b>RIG</b>	<b>12110</b>	<b>12110</b>							<b>FLOW CHECK - WELL STATIC</b>					

03.0	1600 - 1900	0	5 7/8	N	DRLG	HT	BHA	RIG	12110	12110				RACK BACK 5 STD 5-1/2" HWDP & 7 STD 4-3/4" DC, L/D 2 JTS 4-3/4" DC, JAR, PBL, SPS MWD & 5-1/2" BIT >> BIT DULL GRADING: 2-2-CT-S-X-1-NO-TD.
01.0	1900 - 2000	0		E	LOG	OTH	NA	RIG	12110	12110				R/U WIRELINE SHEAVES AND SURFACE EQUIPMENT. >> MONITOR WELL THROUGH TRIP TANK. >> CLEAR RIG FLOOR.
00.5	2000 - 2030	0		E	LOG	PJSM	NA	RIG	12110	12110				HPJSM WITH ALL CREW ABOUT RISK AND HAZARD WHIL RIG UP & RUN WIRE LINE.
08.5	2030 - 0500	0		E	LOG	LOG	WLT	WWL	12110	12110	0	12110		P/U/P, M/U/P AND RIH WL LOGGING TOOL FOR RUN #1 (AIS/MIE/CXD) TO TD@ 12,110 FT. >> FUNCTION TESTED TOOLS - OK. >> TOOL STRING LENGTH: 87.24FT. >> MAX TOOL OD: 3.38 INCHES. >> TOOL STRING WT: 873 LBS. >> MONITOR WELL ON TRIP TANK.

HRDH-1995 IS PLANNED AS MK-2 VERTICAL WELL TARGETING UNZA RESERVOIRS AND WILL BE COMPLETED WITH 15K CEMENTED LINER.

===== ARAMCO PERSONNEL/EQUIP =====

>> ARAMCO CLERK, ITAYAT HASAN #8385141 ON LOC SINCE 08/09/2022.  
>> FCT ABDULLAH ALDOSSARY #796626 OFF LOC SINCE 02/22/2023.  
>> PDP SULTAN ALAWAD #816611 ON SINCE 02/19/2023.  
>> ARAMCO MCM SAAD ALQATHAMI #816327 OFF LOC SINCE 02/22/2023.

===== SERVICE COMPANIES PERSONNEL/EQUIP =====

SERVICE PERSONNEL:  
>> BAKER MUD ENG. ON LOCATION.  
>> SLB CENTERFUGE ON LOCATION 02/06/2023.  
>> HALLI. CMT CREW OFF LOCATION 02/19/2023.  
>> BAKER LINER HGR ENG OFF LOCATION 02/19/2023.  
>> HALLI. MWI ON LOCATION 02/17/2023.  
>> HALLI. ML ON LOCATION 02/17/2023.

===== PLAN VS ACTUAL CSG SETTING DEPTHS=====

> 30" CSG POINT PLAN AT 517' (10' INTO UER FM), ACTUAL AT 522' - FLAT TIME PLAN: 81.6 HR, ACTUAL 79 HR  
> 24" CSG POINT PLAN AT 1809' (50' INTO AHMADI FM), ACTUAL AT 1776' - FLAT TIME PLAN: 129.6 HR, ACTUAL 106 HR  
> 18-5/8" CSG POINT PLAN AT 4073' (50' INTO MID THAMAMA FM), ACTUAL AT 4107' - FLAT TIME PLAN: 192 HR, ACTUAL 140 HR  
> 13-3/8" CSG POINT PLAN AT 8937' (30' INTO BASE JILH DOLOMITE), ACTUAL AT 8928' - FLAT TIME PLAN: 309.6 HR, ACTUAL 291.5 HR.  
> 9 5/8" CSG POINT PLAN AT 10425' (10' INTO KHUFF FORMATION), ACTUAL AT 10429 - FLAT TIME PLAN: 167.7 HR, ACTUAL 196 HR.

===== RENTAL TOOLS =====

>> 6-1/2" DRILLIN JAR ON LOCATION 02/17/2023 AT 18:30. P/U 02/20/2023 AT 07:00, L/D 02/21/2023 AT 22:00, B/L 02/24/2023 AT 08:00.  
>> 4-3/4" JAR SUB ON LOCATION 02/21/2023 AT 12:20. P/U 02/22/2023 AT 04:00, L/D 02/26/2023 AT 17:00.

===== HSE =====

- TRIP, SLIP AND FALL HAZARDS, PPE POLICY, CONFINED SPACE ENTRY SAFETY PRECAUTIONS, PRE-INSPECTION OF TOOLS AND EQUIPMENT PRIOR START JOB, HOUSEKEEPING AND ENVIRONMENTAL ISSUES.

SAFETY DRILL FEEDBACKS /EVENT REPORTS /NCR/SAFETY ALERTS:

KCA DEUTAG 5TKA ELEMENT 02 PRESHIFT BRIEFING TRAINING.

>> GDD SAFETY TOPIC SCHEDULE (FEBRUARY 26) PRESENTATION: REVIEW SUBJECT # 26(ELECTRICAL SAFETY).  
>> DRILLS: 02 TRIP DRILL, 01 SWA DRILL.  
>> NEAR MISS: NONE.

===== \*\* GDD COST OPTIMIZATION \*\* =====

>> ACID: 100 BBL NPS HCL ON LOCATION FROM 02/10/2023.  
>> FRAC TANKS: 2 NESR.  
>> KILL MUD: NO.

===== WATER WELL =====

>> WATER WELLS: HRDH-3515 & HRDH-848

===== DIESEL=====

>> DIESEL CONSUMPTION FOR RIG: DAILY: 75 BBL/ TOTAL FOR THIS WELL: 2795 BBLS.

===== BOP=====

>> LAST FULL BOP PRESSURE TEST: 02/20/2023

===== \*\* MISC.\*\*=====

>> NEXT WELL: HRDH-2325 ... 100% READY AS OPER WELLSITE ENGINEER

=====VACUUM TANKERS=====

» VACUUM TANKERS ON LOCATION DRSS 100383499

- 1.MULAGARAO PLATE NO. 8149 TRIP (I) 06:15 AM TRIP (II) 12:30 PM  
2.SAFE ALI PLATE NO. 8820 TRIP (I) 06:05 AM TRIP (II) 12:45 PM  
3.RANJU KUMAR PLATE NO. 4775 (I) 06:05 AM TRIP (II) 12:45 PM**

## Remarks

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>WDYH-18 (GAS EVALUATION/PRODUCER IN UNYAZAH ZONES.)</b> Charge #: <b>(66- 21094- 0018)</b> Wellbores: (0) WDYH_18_0	Rig <b>T-572</b>	Foreman(s) <b>BREAUX, JAMES PAUL/ EITA, BASSAM SABREEN/</b>
		Engineer Superintendent	<b>ALZAHRAINI, ABDULLAH ATEEQ/ MEQBEL, ALI NASSER</b>
		THURAYA <b>8821677712551</b>	RIG FORMAN VSAT <b>013-577-9301</b> CONTRACTOR/CLERK VSAT <b>013-577-9303</b>

Depth <b>4159</b>	Last 24 hr operations <b>POOH TO SURFACE, RUN 18-5/8" CASING AND PERFORM 1ST STAGE CEMENT ONGOING.</b>	Next 24 hr plan <b>CMT 18-5/8" CSG, WELL HEAD WORK, N/U P &amp; P/T BOPE, RIH 16" C/OUT ASSY, C/OUT CMT &amp; DV, POOH.</b>	Location <b>THE WELL IS LOCATED 313 KMS FROM DHARAN AND IN WDYH FIELD NEAR WELL WDYH-03.</b>	Days Since Spud/Comm (Date) <b>20.4 (02/06/2023@1900)</b>	Formation tops <b>UMER 395 DEEPER 39 FT ARUM 770 LAMS 1090 7' SHALLOWER AHMD 1400 41' SHALLOWER SFNY 1495 405' SHALLOWER SHUB 2575 125' SHALLOWER BYDH 2795 45' SHALLOWER</b>
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Prev. Depth <b>4140</b>	Liner Size	TOL	MD	TVD	Last Csg Size <b>24</b>	MD <b>1450</b>	TVD <b>1450</b>	Footage <b>19</b>	Circ %
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Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
<b>02.0</b>	<b>0500 - 0700</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>HT</b>	<b>BHA</b>	<b>RIG</b>	<b>4159</b>	<b>4159</b>			<b>POOH W/ 22" ROTARY BHA TO DURFACE, RECOVERED GYRO MULTISHOT SURVEY. &gt; L/D 9.5" JAR, 1 JT 9.5" DC, 2 X 22" RR, 12" SHOCK SUB, 22" NBRR, BIT.</b>			
<b>00.8</b>	<b>0700 - 0745</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>WH</b>	<b>RTRV</b>	<b>WBSH</b>	<b>RIG</b>	<b>4159</b>	<b>4159</b>			<b>M/U RETRIEVING TOOL AND REMOVE 26 3/4" WEAR BUSHING.</b>			
<b>01.2</b>	<b>0745 - 0900</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>HT</b>	<b>PEL</b>	<b>RIG</b>	<b>4159</b>	<b>4159</b>			<b>REMOVE BAILS AND INSTALL CASING BUSHINGS</b>			
<b>01.0</b>	<b>0900 - 1000</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>CSG</b>	<b>HT</b>	<b>PEL</b>	<b>SPR</b>	<b>4159</b>	<b>4159</b>			<b>HPJSM, R/U SAPESCO 18-5/8" CASING HANDLING EQUIPMENT, CRT AND P/U MACHINE.</b>			
<b>01.5</b>	<b>1000 - 1130</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>CSG</b>	<b>RCSG</b>	<b>CSTR</b>	<b>SPR</b>	<b>4159</b>	<b>4159</b>	<b>0</b>	<b>166</b>	<b>P/U, M/U &amp; RIH 18-5/8" CSG SHOE TRACK: WFD FLOAT SHOE, 2 JTS (115#, J/K-55, BTC), WFD FLOAT COLLAR, 1 JT (115#, J/K-55, BTC). &gt; THREAD LOCK ALL CONNECTIONS. &gt; CHECK FLOAT EQUIP WITH WATER ON V-DOOR. &gt; INSTALL BYPASS BAFFLE ON TOP OF FLOAT COLLAR. &gt; SET SHUTT-OFF BAFFLE INSIDE JT# 3 CASING COUPLING.</b>			
<b>03.0</b>	<b>1130 - 1430</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>CSG</b>	<b>RCSG</b>	<b>CTRQ</b>	<b>SPR</b>	<b>4159</b>	<b>4159</b>	<b>166</b>	<b>1437</b>	<b>CONT RIH 18-5/8" CSG (115#, J/K-55, BTC) TO 24" CSG SHOE (36 JTS OUT OF TOTAL 104 JTS) &gt; FILLING UP CSG WITH 67 PCF WBM ON FLY WITH CRT.</b>			
<b>01.0</b>	<b>1430 - 1530</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>CSG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>4159</b>	<b>4159</b>			<b>CIRCULATE CSG VOL @ 24" SHOE BEFORE ENTERING OPEN HOLE.</b>			
<b>04.0</b>	<b>1530 - 1930</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>CSG</b>	<b>RCSG</b>	<b>CTRQ</b>	<b>SPR</b>	<b>4159</b>	<b>4159</b>	<b>1437</b>	<b>3002</b>	<b>CONT RIH 18-5/8" CSG (115#, J/K-55, BTC) TO 3,000' (75 JTS OUT OF TOTAL 104 JTS) &gt; FILLING UP CSG WITH 67 PCF WBM ON FLY WITH CRT.</b>			
<b>00.8</b>	<b>1930 - 2015</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>CSG</b>	<b>RCSG</b>	<b>DV</b>	<b>HDV</b>	<b>4159</b>	<b>4159</b>			<b>P/U &amp; M/U 18-5/8" HALLIBURTON DV TOOL WITH 2 PUP JTS - (S/N: 1000022922 &amp; P/N: 4693225).</b>			
<b>02.5</b>	<b>2015 - 2245</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>CSG</b>	<b>RCSG</b>	<b>CTRQ</b>	<b>SPR</b>	<b>4159</b>	<b>4159</b>	<b>3002</b>	<b>4127</b>	<b>CONT RIH 18-5/8" CSG (115#, J/K-55, BTC) TO 4,127' (103 JTS OUT OF TOTAL 104 JTS) &gt; FILLING UP CSG WITH 67 PCF WBM ON FLY WITH CRT.</b>			
<b>00.8</b>	<b>2245 - 2330</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>CSG</b>	<b>RCSG</b>	<b>CTRQ</b>	<b>SPR</b>	<b>4159</b>	<b>4159</b>	<b>4127</b>	<b>4159</b>	<b>WASH DOWN LAST JT WITH CRT TO BTM &amp; SPACE OUT (TOTAL 104 JTS). &gt; F. SHOE @ 4,155', F. COLLAR @ 4,074' &amp; SHUTT-OFF BAFFLE @ 4,031'. &gt; HALLIBURTON DV COLLAR @ 1,136' (314' ABOVE 24" CSG SHOE). &gt; CENTRALIZED CSG AS PER PROGRAM.</b>			
<b>01.2</b>	<b>2330 - 0045</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>CSG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>4159</b>	<b>4159</b>			<b>CIRC CSG VOL @ 10 BPM &amp; FULL RETURN MEANWHILE R/D SAPESCO CSG RUNNING EQUIP. &amp; P/U MACHINE.</b>			
<b>01.5</b>	<b>0045 - 0215</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>CSG</b>	<b>HT</b>	<b>PEL</b>	<b>RIG</b>	<b>4159</b>	<b>4159</b>			<b>HPJSM, RIG UP BAKER CMT HEAD AND HOOK UP SURFACE LINES, BAKER FLUSH &amp; P/T CMT LINE TO 3,000 PSI.</b>			
<b>00.8</b>	<b>0215 - 0300</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>CSG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>4159</b>	<b>4159</b>			<b>CIRCULATE BTM UP @ 10 BPM (300 PSI) WITH FULL RETURN.</b>			
<b>02.0</b>	<b>0300 - 0500</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>CSG</b>	<b>CMC</b>	<b>CSG</b>	<b>BCM</b>	<b>4159</b>	<b>4159</b>			<b>PERFORM 1ST STAGE CEMENT JOB ONGOING.</b>			

**WELL OBJECTIVE:**

WDYH-18 WILL BE DRILLED AS A VERTICAL PIOLT HOLE AND THEN SIDE TRACK TO DRILL 4000' LATERAL HOLE ACROSS UNAYZAH RESERVOIR AS GAS PRODUCER.

=====

**PERSONNEL ON BOARD:**

ARAMCO CLERK MOHAMMED ARIF KHAN ID# 8958014 ON LOCATION SINCE 3/21/2022.

=====

**1ST QSI: CLOSED - 22; OPEN - 12;**

**DRILLS CONDUCTED: N/A**

**NEAR MISS: N/A**

=====

**CASING SETTING DEPTHS:**

**36" SECTION: 820'. & ACTUAL:- 820' (50' INTO ARUMA)  
28" SECTION: 1491' & ACTUAL: 1,450' (50' INTO AHMADI)  
22" SECTION: 4384'(50' INTO MDTM) & ACTUAL: 4,159'  
16" SECTION: 9977' (30' INTO BJDM) & ACTUAL:  
12" SECTION: 13,750' (450' INTO KFDA) & ACTUAL:  
5.7/8 " SECTION: 14,385' TVD/MD (150' INTOPUZU) & ACTUAL:**

## RIG FLAT TIME KPI:

**RIG MOVE KPI: 7.74 DAYS, ACTUAL: 6.5 DAYS**

## DP TRIPPING KPI: 19 STD/HR & ACTUAL

**30" CSG KPI: 3 JT/HR / ACTUAL: 3 JT/HR**

**24" CSG KPI: 4 JT/HR / ACTUAL: 4 JT/HR**

**18-5/8" CSG KPI: 7 JTS/HR & ACTUAL: 10**

### 13-3/8" CSG KPI: 11.5 JTS/HR & ACTUAL

9-5/8" CSG KPI: 14 JTS/HR & ACTUAL

7" LINER KPI: 14

**4-1/2" LINER: 13 JTS/HR & ACTUAL:**

#### **WELLHEAD KPI:**

**INSTALL 24" X 26 3/4" 3M WELLHEAD KPI: 6.5 HR / ACTUAL: 3 H**

**INSTALL 18 5/8" X 20 3/4" 5M WELLHEAD KPI: 5 HR / ACTUATOR**

#### **RENTAL TOOLS / EQUIPMENT:**

12" COUGAR SHOCK SUB SN# ST5-1200-128 ON LOCATION 02/04/2023 22:00 HPS

12 COUGAR SHOCK SUB SN# S15-1200-128 ON LOCATION 02/04/2023 22:00 HRS.  
8.5" COUGAR DRILLING JAR SN# D110 050 032 ON LOCATION 02/18/2023 01:00 HRS.

9.3 COUGAR DRILLING JAK SN# DJT-0930-033 ON LOCATION 02/19/2023 01:00 HRS  
12" COUGAR SHOCK SUR SN# ST5-1200-125 ON LOCATION 02/19/2023 15:00 HRS

2 X 9.5" SAMAA PRI SUB SN# SRM950BP75 / SRM950BP29 ON LOCATION 02/22/2023 22:00 HRS

**Z X 9.5" SAMAA FBL SUB SN# 3BM1930BF73 / 3BM1930BF29 ON LOCATION 02/22/2023 22-18.5" SAMAA CSG SCRAPER SN# WBS16-121601 ON LOCATION 02/22/2023 22:00 HRS**

#### **WELL SITE SUPPORT:**

WATER SPRAY TRUCK: PLATE#5194 (DRSS#1003833323) ON LOCATION SINCE 02/04/23

**WATER SPRAY TRUCK: PLATE #3194 (DRSS#1003833323) ON LOCATION SINCE 02/01/23  
VACUUM TANKER: PLATE #1153 (DRSS#1003844132) ON LOCATION SINCE 02/01/23**

VACUUM TANKER: PLATE #1153 (DRSS#10038644152) ON LOCATION SINCE 02/24/23  
DUMP TRUCK: PLATE #6420 (DRSS#1003854275) ON LOCATION SINCE 02/24/23

### **Remarks**

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Date	Well No (Type) :	Rig	Foreman(s)	AITHAN, ABDULLAH IBRAHIM/ ABDELRAZEK, TAREK ABDELFATTAH/ SHUBBAR, GHASSAN DHIYA/ AGUILAR ACOSTA, VICTOR JOSE/ FAHMI, MOHAMMED MAMDOUH/ ABD RAB ALREDA, SAEED HASSAN
MONDAY 02/27/2023	HRDH-2244 (K-2 VERTICAL TO 150FT INTO PUZU) Charge (66- 22058- #: 2244) Wellbores: (0) HRDH_2244_0	T- 574	Engineer	
			Superintendent	
	THURAYA 008821677712078	RIG FORMAN VSAT 013-576-2546	OTHER VSAT 013-576-2426	CONTRACTOR/CLERK VSAT 013-576-2081

Depth	Last 24 hr operations	Next 24 hr plan							Location				Days Since Spud/Comm (Date)	Formation tops		
4653	ROTARY DRILL 22" HOLE TO 18-5/8" CSG PT @ +/- 5243' (+/- 50' INTO MDTM).								RIG LOCATION IS ON YABRIN ROAD, 283 KM FROM DMG				12.3 (02/14/2023@2130)	AMDR	2650	42 FT SHALLOWER
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size		MD	TVD	Footage	Circ %						
4077			24	2724	2724	576				100						
Hrs (From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth		Summary of Operations					
Start	End	Start	End													
11.5 0500 - 1630 0	22	N	DRLG	D	TDS	RIG	4077	4380			ROTARY DRILL 22" HOLE SECTION W/ 67 PCF PHPA MUD & 100% RETURNS. > SWEEP HOLE W/ 70 BBLS HVP EVERY 45' DRILLED AND 60 BBLS OF DRILL N SEAL PILL AFTER KELLY DOWN. > BACK REAM & REAM DOWN EVERY STD DRILLED BEFORE CONNECTION. > TREAT ACTIVE MUD SYSTEM WITH 15-30 PPB LCM. > FOLLOWING THE TWIST OFF AVOIDANCE RECOMMENDATION PARAMETERS.					
00.5 1630 - 1700 0	22	N	DRLG	RR	TDS	RIG	4380	4380			SERVICE RIG AND TDS.					
12.0 1700 - 0500 0	22	N	DRLG	D	TDS	RIG	4380	4653			ROTARY DRILL 22" HOLE SECTION W/ 67 PCF PHPA MUD & 100% RETURNS. > SWEEP HOLE W/ 70 BBLS HVP EVERY 45' DRILLED AND 60 BBLS OF DRILL N SEAL PILL AFTER KELLY DOWN. > BACK REAM & REAM DOWN EVERY STD DRILLED BEFORE CONNECTION. > TREAT ACTIVE MUD SYSTEM WITH 15-30 PPB LCM. > FOLLOWING THE TWIST OFF AVOIDANCE RECOMMENDATION PARAMETERS.					

#### WELL OBJECTIVE

TO BE DRILLED AS K-2 VERTICAL WELL TARGETING UNZ B/C RESERVOIRS AS PRIMARY TARGET AND UNZ A AS SECONDARY TARGET. BASED ON OH LOGS, THE WELL MIGHT BE COMPLETED WITH 15K CEMENTED LINER OR 15K OH MSF COMPLETION.

#### ARAMCO PERSONNEL

- > ARAMCO FCT YAZEED ALAMMAR #796670 ON LOCATION 02/21/2023.
- > ARAMCO MATERIAL EXPEDITOR YAZID MUIDH ALSHALAWI # 8517239 ON LOCATION 02/23/2023.

#### RIG VISIT

>

#### SERVICE COMPANY PERSONNEL

- > EMEC MUD ENGINEER ON LOCATION SINCE 02/12/2023.
- > SLB CREW ON LOCATION FOR CLOSED LOOP SYSTEM INSTALLATION.
- > MI/SWACO BARITE SILOS OPERATOR.
- > SMITH BIT RUNNER. ON LOCATION 02/22/23.

#### ERP-STAGING AREA

- > ERP POSTED IN ARAMCO FOREMAN OFFICE; EMERGENCY CONTACT NUMBERS VERIFIED.
- > SA1: 452 M TO THE NE - COORDINATES: N: 2653191, E: 300674
- > SA2: 452 M TO THE NW - COORDINATES: N: 2653192, E: 299817.
- > RELIEF WELL: HRDH-2354, 1066M NE OF HRDH-2244, N: 2,653,719.43 M, E: 301,068.43 M.
- > RER DISTANCE: 1/2 LFL= 125M, 100PPM= 0M, 30PPM= 0M

#### HSE

- > 2ND RHSEI 25-28-JULY 2022, TOTAL FINDINGS: 41, CLOSED: 41- ZERO PENDING.
- > CEHA CHECKLIST: TOTAL FINDINGS: 12, CLOSED: 12, ZERO PENDING.
- > DRILLS: 2 X SWA, H2S DRILL.
- > HO CARDS: 05.

#### IMPLEMENTING CLOSED LOOP DRILLING PRACTICE

#### RENTAL TOOLS

- > GECAT SPRAY TANKER ON LOCATION ON 02/13/2023, DOOR-TH-078, PLATE: 5310 VHA AS PER DRSS-1003843290.
- > REC'D NEW 12" NOV SHOCK-SUB SN#CW-1028300-1 ON 02/21/23 @ 06: 30 HRS FOR 22" HOLE SECTION.
- > REC'D 9-1/2" NOV D/JAR SN#381-95178-08 ON 02/21/23 @ 06: 30 HRS FOR 22" HOLE SECTION.

#### GDWD COST OPTIMIZATION

- > RECEIVED 1000 BBLS 100 PCF WBM FROM NA-393

#### WELLSITE SERVICES

- > VACUUM TANKERS DRSS: 1003808795 (QUANTITY REQUIRED :4), DATE START WORK 10/01/2023.
- 4 X TRUCKS PLATE #: 5902, 6914, 4118, 5310, DOOR #: 047, TH-58, 078.

**===== NEXT LOCATION =====**

- > 1ST NEXT WELL: HRDH-2333.  
 > 2ND NEXT WELL: HRDH-2525.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS		
MUD DATA	Weight <b>67 PCF</b>	Funnel Vis. <b>63 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>14</b>	YP <b>19</b>	Electrical Stability <b>0 Volts</b>	3/6 RPM <b>7 / 9</b>	Gels Sec/Min <b>8 / 13</b>	PH <b>9.5</b>	CA PPM <b>160</b>	CL PPM <b>700</b>				
	FL Temp <b>120</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol.% <b>96</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>4</b>	Sand Vol. % <b>0.25</b>	% LGS <b>3.5</b>	MBT <b>10</b>	Mud type <b>INPHPA</b>	Water Well # <b>HRDH-861, HRDH-896</b>					
	Weight <b>67 PCF</b>	Funnel Vis. <b>65 SEC</b>	Filtrate(WL) <b>0 HTHP</b>	Filtrate (WL) API	PV <b>14</b>	YP <b>20</b>	Electrical Stability <b>0 Volts</b>	3/6 RPM <b>7 / 9</b>	Gels Sec/Min <b>8 / 12</b>	PH <b>9.2</b>	CA PPM <b>160</b>	CL PPM <b>700</b>				
	FL Temp <b>120</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol.% <b>96</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>4</b>	Sand Vol. % <b>0.25</b>	% LGS <b>3.5</b>	MBT <b>10</b>	Mud type <b>INPHPA</b>	Water Well # <b>HRDH-861, HRDH-896</b>					
MUD TREATMENT	<b>CAUST</b>	<b>XC</b>	<b>BENT</b>	<b>DEXT</b>	<b>ARC-FIBER-C</b>	<b>ARC-FIBER-F</b>	<b>BCTRN</b>	<b>MILLPLUG</b>	<b>MICA-CRSE</b>	<b>MICA-FINE</b>	<b>S-PHPA-S</b>	<b>FLC2000</b>				
	<b>24(50LBP)</b>	<b>60(55LB)</b>	<b>2(2500L)</b>	<b>128(55LB)</b>	<b>110(25LB)</b>	<b>50(25LB)</b>	<b>16(5GLD)</b>	<b>25(55LB)</b>	<b>80(55LB)</b>	<b>80(55LB)</b>	<b>10(55LB)</b>	<b>98(25LB)</b>				
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out					
	<b>3</b>	<b>435</b>	<b>22</b>	<b>SMT</b>	<b>RV0699</b>	<b>GSI12 / 3 X 18 / 0.746</b>	<b>2725</b>	<b>4653</b>								
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP
							<b>60</b>	<b>118</b>			<b>1590</b>	<b>950</b>	<b>409</b>	<b>51.32</b>	<b>56.55</b>	<b>742</b>
DRILL STRING	Float	<b>Y</b>														
	BHA Hrs:	<b>62.3</b>														
	String Wt.	Pick Up	Slack Off		Rot. Torque			Jars:			/ <b>62.3</b>		Shock	/ <b>62.3</b>	Mud	/
	<b>268</b>	<b>272</b>	<b>265</b>		<b>11000</b>			Serial #/Hrs			/		Sub:	/	Motor:	/
	Order	Component		Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #	
	<b>1</b>	<b>Bit</b>		<b>SMT</b>	<b>22</b>	<b>1</b>	<b>22</b>		<b>2</b>	<b>7-5/8"REG</b>						<b>RV0699</b>
	<b>2</b>	<b>Near Bit Stab.</b>		<b>RIG</b>	<b>22</b>	<b>1</b>	<b>22</b>	<b>3</b>	<b>9.12</b>	<b>7-5/8"REG</b>	<b>7-5/8"REG</b>					
	<b>3</b>	<b>Shock Sub</b>		<b>OJR</b>	<b>12</b>	<b>1</b>	<b>12</b>	<b>3</b>	<b>11.68</b>	<b>7-5/8"REG</b>	<b>7-5/8"REG</b>					<b>CW10283001</b>
	<b>4</b>	<b>Roller Reamer</b>		<b>RIG</b>	<b>22</b>	<b>1</b>	<b>22</b>	<b>3</b>	<b>8.41</b>	<b>7-5/8"REG</b>	<b>7-5/8"REG</b>					
	<b>5</b>	<b>Drillcollar</b>		<b>RIG</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>30.14</b>	<b>7-5/8"REG</b>	<b>7-5/8"REG</b>					
	<b>6</b>	<b>Roller Reamer</b>		<b>RIG</b>	<b>22</b>	<b>1</b>	<b>22</b>	<b>3</b>	<b>8.66</b>	<b>7-5/8"REG</b>	<b>7-5/8"REG</b>					<b>TOTCO</b>
	<b>7</b>	<b>Drillcollar</b>		<b>RIG</b>	<b>9.5</b>	<b>11</b>	<b>9.5</b>	<b>3</b>	<b>327.16</b>	<b>7-5/8"REG</b>	<b>7-5/8"REG</b>					
	<b>8</b>	<b>Hydro-Mechanical Jar</b>		<b>NOJ</b>	<b>9.5</b>	<b>1</b>	<b>9.5</b>	<b>3</b>	<b>30.54</b>	<b>7-5/8"REG</b>	<b>7-5/8"REG</b>					<b>3819517808</b>
	<b>9</b>	<b>Drillcollar</b>		<b>RIG</b>	<b>9.5</b>	<b>3</b>	<b>9.5</b>	<b>3</b>	<b>89.57</b>	<b>7-5/8"REG</b>	<b>7-5/8"REG</b>					
	<b>10</b>	<b>Crossover</b>		<b>RIG</b>	<b>9.25</b>	<b>1</b>	<b>9.25</b>	<b>3</b>	<b>2.96</b>	<b>6-5/8"REG</b>	<b>7-5/8"REG</b>					
	<b>11</b>	<b>Drillcollar</b>		<b>RIG</b>	<b>8.5</b>	<b>6</b>	<b>8.5</b>	<b>2.875</b>	<b>181.25</b>	<b>6-5/8"REG</b>	<b>6-5/8"REG</b>					
	<b>12</b>	<b>Crossover</b>		<b>RIG</b>	<b>8.25</b>	<b>1</b>	<b>8.25</b>	<b>2.812</b>	<b>2.59</b>	<b>6-5/8"FH</b>	<b>6-5/8"REG</b>					
	<b>13</b>	<b>Heavy Weight Drillpipe (HWDP)</b>		<b>RIG</b>	<b>6.625</b>	<b>9</b>	<b>6.625</b>	<b>4.5</b>	<b>274.81</b>	<b>6-5/8"FH</b>	<b>6-5/8"FH</b>					
	<b>14</b>	<b>Crossover</b>		<b>RIG</b>	<b>8</b>	<b>1</b>	<b>8</b>	<b>2.812</b>	<b>2.6</b>	<b>XT54</b>	<b>6-5/8"FH</b>					
	<b>15</b>	<b>Heavy Weight Drillpipe (HWDP)</b>		<b>RIG</b>	<b>5.5</b>	<b>9</b>	<b>5.5</b>	<b>3.25</b>	<b>276.09</b>	<b>XT54</b>	<b>XT54</b>					
	<b>16</b>	<b>Drillpipe</b>		<b>RIG</b>	<b>5.5</b>	<b>1</b>	<b>5.5</b>	<b>4.67</b>	<b>30.5</b>	<b>XT54</b>	<b>XT54</b>					
Miscellaneous	BOP Test		BOP Drills			Wind	Sea	Weather			DSLTA	Safety Meeting				
	<b>02/23/2023</b>		<b>H2S DRILL.</b>					<b>SEASONAL</b>				<b>DAILY</b>				
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs			<b>10.99/24 hrs</b>	
Personnel and Services Information	COMPANY		SBT	RIG	RIG	EMC	RIG	ARM	MI2	OTH	ARM					<b>Total 85</b>
	CATEGORY		BITS	CTRG	RIG	DFMS	OTHR	OTHR	SCS	VAC	WSC					
	NO. OF PERSONS		1	14	39	2	17	2	6	1	3					
	OPERATING HRS.		24	0	24	24	24	24	24	10	24					
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24					
Trucks/Boats	Standby/Tankers															
BULK	Drill Wtr.-BBLS		Pot Wtr.- BBLS	Fuel- BBLS		489	Barite- SX	Bentonite - SX	Cement G- SX							
REPAIR ASAP	Instrumentation		Other												Reporter	
Computer, Communication & V-Sat Issues																

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>TINT-47 (RE ENTER, SIDETRACK &amp; DRILL ACROSS UNZA RESERVOIR. COMPLETE W/STAND ALONE SCREENS)</b>	Rig <b>T- 591</b>	Foreman(s) <b>AGUILAR ZURITA, ARIEL ROMULO/ MADADI, SALAH/ HASSAAN, MOHAMED OMRAN/ MILLER, CLAYTON LOWELL</b>
	Charge (71- 22096- #: 0047) Wellbores: (0) TINT_47_0	THURAYA	RIG FORMAN OTHER VSAT <b>008821677712557 577-3528</b> SAIPEM-055-458-9424 SAIPEM 013-807-8388 577-3524

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>17097</b>	<b>CONT POOH WITH NPS 8-2/8" BLADED INSERT MILL ASSY, JETTING BOP, PU, MU AND RIH NPS 8-1/8"X5-1/2" PILOT MILL, MILL OUT 7" LNR BODY.</b>	<b>CONT MILL OUT 7" LNR BODY TO +/-11850'.</b>	<b>THE WELL IS LOCATED 291 KM FROM DHG. 0.89 KM S25E OF TINT- 69 AND 0.972 KM N12E OF TINT-9.</b>	<b>17.8</b> (02/09/2023@0800)	
Prev. Depth <b>17097</b>	Liner Size	TOL	MD	TVD	Last Csg Size <b>9 5/8</b> MD <b>11660</b> TVD <b>11660</b> Footage <b>0</b> Ciro % <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations					
									Start	End	Start	End						
04.0	0500 - 0900	0		N	MILL	TO	STDHP	RIG	17097	17097	9500	1145	POOH NPS 8-3/8" 7-BLADED INSERT MILL ASSY ON 5" DP STANDS. > MONITOR WELL WITH TRIP TANK.					
01.0	0900 - 1000	0		N	MILL	TI	SPHDP	RIG	17097	17097	11145	960	POOH NPS 8-3/8" 7-BLADED INSERT MILL ASSY ON 5" HWDP STANDS. > MONITOR WELL WITH TRIP TANK.					
02.0	1000 - 1200	0		N	MILL	HT	BHA	RIG	17097	17097			L/D 6-1/2" JAR & POOH W/ 8-3/8" BLADE MILL BHA ON 6-1/4" DC STDS. L/D BLADE MILL + BIT SUB. . > MONITOR WELL WITH TRIP TANK. > L/D NPS 6-1/2" HJDA DRILLING JAR SN# HJDA-650-0009 @ 10:00 HRS. > > 8.3/8" BLADE INSERT MILL: 25% WORN OUT. > STRING MILL IN GOOD CONDITION					
00.5	1200 - 1230	0		N	MILL	RR	TDS	RIG	17097	17097			SERVICE TOP DRIVE SYSTEM.					
01.2	1230 - 1345	0		N	MILL	OTH	NA	RIG	17097	17097			MAKE UP CORETRAX BOP JETTING TOOL ON 1 STAND 5" DP. JET BOP STACK AND WELL HEAD, L/D JETTING TOOL.					
02.5	1345 - 1615	0		N	MILL	HT	BHA	RIG	17097	17097			M/U NESR 8.1/8" X 5.1/2" PILOT MILL BHA:8.1/2" P. MILL (PIRANHA TYPE) + SUB W/ FLOAT + 21 JNTS 6.1/4" DC + XO + 9 JNTS 5" HWDP + XO + 6.1/2" D. JAR + XO + 6 JNTS 5" HWDP. > P/U NPS 6-1/2" HJDA DRILLING JAR SN# HJDA-650-0009 @ 15:00 HRS. > WEIGHT BELOW JAR 68 KLBS, > BHA WEIGHT 77.3 KLBS. > TOTAL BHA LENGTH: 1149 FT. > MONITOR WELL WITH TRIP TANK.					
01.0	1615 - 1715	0		N	MILL	TI	SPHDP	RIG	17097	17097	0	1148	RIH NESR 8.1/8" X 5.1/2" PILOT MILL BHA ON 5" HWDP. > MONITOR WELL WITH TRIP TANK.					
04.0	1715 - 2115	0		N	MILL	TI	STDHP	RIG	17097	17097	1148	8300	RIH NESR 8.1/8" X 5.1/2" PILOT MILL BHA ON 5" DP. > MONITOR WELL WITH TRIP TANK.					
01.5	2115 - 2245	0		N	MILL	RR	DWKS	RIG	17097	17097			SLIP & CUT DRILLING LINE.					
02.0	2245 - 0045	0		N	MILL	TI	STDHP	RIG	17097	17097	8300	11205	RIH 8-1/8" X 5 1/2" PILOT MILL ASSEMBLY ON 5" DP STANDS FROM DERRICK AT CONTROLLED SPEED TO TOF AT 11205'. >> FILLED UP AND BREAK CIRC. EVERY 20 STANDS.					
04.2	0045 - 0500	0		N	MILL	MILL	MILL	NFM	17097	17097	11205	11209	ESTABLISH MILLING PARAMETERS, PATTERN MILL. MILL OUT 7", 32# LINER BODY >> 550 GPM, SPP 2200 PSI, 80-120 RPM, WOM 5-12 KLBS & TQ 4-6 K.FT-LBS, AVG ROP 3.0 FPH. >> PUMP HI-VIS PILLS AS REQUIRED FOR OPTIMUM HOLE CLEANING. >> NORMAL STEEL MILLED SWarf AT SHAKERS. >> PERIODICALLY CLEAN OUT DITCH MAGNET					

=====QHSE=====

> DRILLS:2X PIT DRILL, 2X TRIP DRILL.

> OBSERVATION/NEAR MISS: 15

> IMPLEMENTING CLOSED LOOP DRILLING PRACTICE & NOT USING WATER PIT.

=====SGA (ERP)=====

SGA#1 IS 1.0 KM TOWARDS THE NW (N: 2,631,579.3 E: 337,893.62)

SGA#2 IS 1.0 KM TOWARDS THE NE (N: 2,631,386.2 E: 339,309.11)

=====ARAMCO PERSONNEL=====

> AL-WALEED ALGHAMDI MATERIAL EXPEDITOR ID# 811523 ON LOCATION 02/13/2023.

=====ODF CORRECTION=====

> ODF FOR RIG T-591 = 35.5 FT> ODF CORRECTION FROM ADC-34 = +1.5 FT.

=====MILLING DATA=====

\*\* MILL RUN #1 (8 3/8" X 7-5/16" TBR PILOT MILL): 11161' TO11172' 11 FT @ 0.47 FT/HR.

>> MILL RUN #2 (8-3/8" BLADED INSERT MILL): 11,172' TO 11,186',14 FT IN 31.5 HRS @ 0.54 FT/HR.

>> MILL RUN #3 (8-3/8" BLADED INSERT MILL): 11,186' TO 11,206',20 FT IN 24 HRS @ 0.83 FT/HR.

>> MILL RUN #4 (8-1/8" PILOT MILL): 11,185' TO 11,209',20 FT IN 4 HRS @ 1 FT/HR.

>> TOTAL FOOTAGE MILLED: 49'

>> REMAINING FOOTAGE TO MILLED: 641'.

>> DAILY METAL RECOVERED: 58 KG (XX LBS)

>> TOTAL METAL RECOVERED: 757 KG (1384 LBS).

=====3RD PARTY PERSONNEL=====

> NESR MILLING ENGINEER ON LOCATION 02/13/2023 @ 16:00 HRS.

=====3RD PARTY EQUIPMENT=====

> NESR MILLING TOOLS ON LOCATION 02/13/2023 @ 16:00 HRS. P/U TOOLS 02/16/2023 @ 10:30 HRS

> NPS 6-1/2" HJDA DRILLING JAR W XT-54 CONN SN# HJDA-650-0009 02/13/2023 @ 16:30 HRS.

> CORETRAX 8-1/4" STRING MILL SN# CX1518 ON LOCATION 02/17/2023 @ 19:30 HRS.

> CORETRAX 8-3/8" STRING MILL SN# CX1646 ON LOCATION 02/17/2023 @ 19:30 HRS.  
 > CORETRAX 9-5/8" X 8" JETTING SUB SN# CX1167 ON LOCATION 02/20/2023 @ 04:30 HRS.  
 =====WELLHEAD DATA=====  
 > CCA 9-5/8" X 13-3/8" = 0 PSI, CCA 13-3/8" X 18-5/8" = 0 PSI. CHECKED 2 X DAILY  
 =====TRUCKING=====  
 > VACUUM TANKERS FOR HAULING WASTE WATER FROM TINT-47: ( 0 LOADS TODAY ) & ( 0 TOTAL LOADS )  
 > DRSS # > PLATE #  
 > WORKING HOURS PER TRUCK = 8 HRS (150 KM F/RIG TO DUMP SITE)  
 > NUMBER OF TRIPS: 0/ DAY

> DUMP TRUCK FOR GARBAGE FROM TINT-47: ( 0 TOTAL LOADS DUMPED )  
 > DRSS # > PLATE #  
 > WORKING HOURS PER TRUCK = 10 HRS  
 > NUMBER OF TRIPS: 0/ DAY=TOTAL LOADS: 0.

=====NOTE=====

NEXT WELL: HRDH-2344

TINT-16 HANDED OVER TO FS PRODUCTION, OK

TINT-46 HANDED OVER TO FS PRODUCTION, OK (X-TREE ACCESSORIES HO IN WOOD BOX)

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS																						
MUD DATA	Weight <b>110</b>	PCF	Funnel Vis. <b>75</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>23</b>	YP <b>73</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>35 / 36</b>	Gels Sec/Min <b>37 / 52</b>	PH <b>9.5</b>	CA PPM <b>0</b>	CL PPM <b>800</b>																						
	FL Temp <b>80</b>		Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>75</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>25</b>	Sand Vol. % <b>0.1</b>	% LGS	MBT	Mud type <b>FLUDSYS</b>	Water Well # <b>TINT-801</b>																							
	Weight <b>110</b>	PCF	Funnel Vis. <b>75</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) API	PV <b>24</b>	YP <b>72</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>35 / 36</b>	Gels Sec/Min <b>38 / 51</b>	PH <b>9.5</b>	CA PPM <b>0</b>	CL PPM <b>800</b>																						
	FL Temp <b>80</b>		Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>75</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>25</b>	Sand Vol. % <b>0.1</b>	% LGS	MBT	Mud type <b>FLUDSYS</b>	Water Well # <b>TINT-801</b>																							
MUD TREATMENT	<b>XANPLEX-D CAUST BARITE</b> 4(50LB) 3(50LBP) 18(5000L)																																		
BIT DATA																																			
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #																					
Miscellaneous	BOP Test <b>02/16/2023</b>	BOP Drills <b>02/15/2023</b>		Wind <b>WINDY</b>	Sea <b>N/A</b>	Weather <b>SEASONAL</b>		DSLTA	Safety Meeting <b>2X DAILY PRE TOUR SM.</b>																										
	Real-Time Data Quality		Sensors Quality		100%	Data Frequency		100%	Real-Time Hrs	10.99/24 hrs																									
Personnel and Services Information	COMPANY		SCC	RIG	EMC	RIG	NFM	RIG	ARM	ARM																									
	CATEGORY		CTRG	RIG	DFMS	SEC	WMFE	OTHR	OTHR	WSC																									
	NO. OF PERSONS		14	45	1	1	2	15	1	2																									
	OPERATING HRS.		0	12	12	12	12	12	12	12																									
	ON LOCATION HRS.		24	24	24	24	24	24	24	24																									
Trucks/Boats	Standby/Tankers <b>AMBULANCE JAJ-2964</b>	<b>ARAMCO TRUCK AB6301</b>																																	
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>412</b>		Barite- SX <b>123</b>		Bentonite - SX <b>9</b>		Cement G- SX <b>0</b>																										
REPAIR ASAP	Instrumentation	Other																																	
	Computer, Communication & V-Sat Issues																																		
	Reporter																																		

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Total  
**81**

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>MHWZ-151102 (MHWZ-151102 IS THE 2ND HORIZONTAL WELL ON MHWZ-151 PAD TARGETING LOWER SARAH FORMATION)</b> Charge #: <b>(87- 22644- 4208)</b> Wellbores: (0) MHWZ_151102_0	Rig <b>T-592</b> Foreman(s) <b>HAZAWBAR, ALHASSAN FARIS/ LAHMARI, ABDELHAFID/ RUBAYA, AHMED MESHAAH/ EDREES, IBRAHIM RAJEH/ BIN LEBDAH, SALMAN FAISAL</b> Engineer Superintendent	THURAYA <b>008821677712408</b>	RIG FORMAN VSAT <b>577-3529</b>	CONTRACTOR/CLERK VSAT <b>577-8820</b>
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Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>0</b>	<b>RIG</b>	<b>RIG</b>	<b>21 KM WEST OF HARADH TOWARD AL MAINTENANCE. MAINTENANCE. KHARJ (2.7KM PAST SASCO STATION). TURN RIGHT FOLLOW SIGNS DRIVE 95 KM</b>	<b>0.0 (@)</b>	
Prev. Depth <b>0</b>	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD Footage Circ % <b>0</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations	
									Start	End	Start	End		
<b>12.0</b>	<b>0500 - 1700</b>	<b>0</b>		<b>M</b>	<b>MAIN</b>	<b>OTH</b>	<b>NA</b>	<b>RIG</b>	<b>0</b>	<b>0</b>			<b>CONT. RIG MAINTENANCE AS PER PLAN, DAY NO: 18.5 DAYS.</b> <b>- PJSM WITH RIG CREW DISCUSSUNG SAFETY OF THE CREW AND EQUIPMENT DURING RIG MAINTENANCE &amp; RIG UP OPERATIONS.</b>  <b>ONGOING MAINTENANCE OPERATIONS:</b> <b>- OEM KERUI CAT3 DERRICK &amp; SUBSTRUCTURE (WAITING FOR PAPERWORK).</b> <b>- INSPECTING LIFTING PAD EYES (ONGOING).</b> <b>- DRAWWORKS MAINTENANCE (WAITING FOR PAPERWORK).</b> <b>- INSPECTION AND MAINTENANCE OF TDS VFD ROOM (WAITING FOR PAPERWORK).</b> <b>- ROTARY TABLE MAINTENANCE (WAITING FOR PAPERWORK).</b> <b>- CROWN BLOCK MAINTENANCE (WAITING FOR PAPERWORK).</b> <b>- TRAVELING BLOCK MAINTENANCE AND INSPECTION (WAITING FOR PAPERWORK).</b> <b>- HOOK MAINTENANCE (WAITING FOR PAPERWORK).</b> <b>- MAINTENANCE OF IRON ROUGHNECK (WAITING FOR PAPERWORK).</b> <b>- DEADLINE ANCHOR MAINTENANCE (WAITING FOR PAPERWORK).</b> <b>- HP LINES INSPECTION AND RECERTIFICATION (WAITING FOR PAPERWORK).</b> <b>- VIBRATOR HOSES AND ROTARY HOSES INSPECTION (WAITING FOR PAPERWORK).</b> <b>- TDS MAINTENANCE (ONGOING IN TOWN).</b> <b>- POOR BOY DEGASSER MAINTENANCE (ONGOING).</b> <b>- MUD PUMPS MAINTENANCE (WAITING FOR PAPERWORK).</b> <b>- MAINTENANCE CAT III FOR MONKEY BOARD (WAITING FOR PAPERWORK).</b> <b>- PAD EYES MPI (WAITING FOR PAPERWORK).</b> <b>- PIPE RACK MPI (ONGOING).</b> <b>- DRAWWORKS MOTOR MAINTENANCE (WAITING FOR PAPERWORK).</b> <b>- COOLING TOWER MAINTENANCE (WAITING FOR PAPERWORK).</b> <b>- EZY TORQUE MAINTENANCE (WAITING FOR PAPERWORK).</b> <b>- HPU MOTORS MAINTENANCE (WAITING FOR PAPERWORK).</b> <b>- MAINTENANCE OF 2 X MAIN ENGINES (ONE ENGINE ONGOING IN TOWN, WAITING FOR PAPERWORK).</b> <b>- V-DOOR MAINTENANCE (WAITING FOR PAPERWORK).</b> <b>- MAINTENANCE AND INSPECTION OF MAIN DIESEL TANKS (WAITING FOR PAPERWORK).</b>	

MHWZ-151102 IS THE 2ND WELL ON MHWZ-151 PAD, DRILLED AS A HORIZONTAL DEVELOPMENT WELL, TARGETING THE LOWER SARAH FORMATION. THE PROPOSED TOTAL DEPTH IS 20,354 FT/14,874 FT MD/TVD @ 90 DEG INC, DRILLED SOUTH AND EAST (150.5 DEG AZIMUTH) WITH EFFECTIVE LATERAL LENGTH OF 5,000 FT. THE WELL WILL BE COMPLETED WITH 5-1/2", 26 PPF, MONOBORE LONG STRING.

## JOURNEY MANAGEMENT:

**CALL T-592 HR OFFICE AT 807-8364 OR ARAMCO OFFICE AT 577-8820 PRIOR TO TURNING OFF MAIN BLACKTOP. PROVIDE - NAME OF COMPANY, NUMBER OF PERSONNEL, COLOR OF VEHICLE AND EMERGENCY CONTACT NUMBER OF BASE PERSONNEL. NIGHT DRIVING BY 3RD PARTY PERSONNEL IS NOT RECOMMENDED**

#### **RIG DIRECTIONS (2 ROUTES):**

- FROM UDH CHECK POINT DRIVE 84 KM TOWARD HARADH & TURN RIGHT, DRIVE 83 KM SKID ROAD TO THE RIG FOLLOWING RIG SIGNS.
- DRIVE FROM HARADH 20KM TOWARDS ALKARJ AND AT THE FIRST BRIDGE PAST SASCO GAS STATION TURN RIGHT DRIVE 40KM OF BLACK TOP. TURN RIGHT

**FOLLOW SIGN BOARD 55KM OF SKID ROAD**

## **ARAMCO PERSONNEL:**

**ARAMCO CLERK MOHAMMED FARAZ AHMED #8162130 ON LOCATION 08/14/2022**

ARAMCO FCT BANDAR ALQAHTANI # 795272 ON LOCATION 1/15/2023

ARAMCO SAFETY ADVISOR MOHAMED LOTFY #8141109 ON LOCATION ON 02/18/2023

ARAMCO HSE ADVISOR ABOUBAKR MOHAMED # 8589500 ON LOCATION ON 02/20/2023

WELLSITE RENTAL EQUIPMENT: DRSS 1003831014

**AL MADEED - SPRAY WATER TANKER, DOOR # 1025, PLATE # 4213**

#### **SAFETY DATA:**

PTW: 6, SAFETY MEETING - 3, HOC- 80

## DRILLS: NA

## NEAR MISS: NA

## **IN HOUSE AUDIT SEP 2022: 18 OPEN, 26 CLOSED**

CORPORATE AUDIT OCT 22, OPEN: 04, CLOSED: 15

## **SURFACE RENTAL EQUIPMENT: NA**

## **NEXT CASING POINT & DIRECTIONAL PLAN:**

**SPUD 22" HOLE & SET 18 5/8" @ 1,634' (50' INTO AHMADI)**

**TARGET ENTRY: 15,354/14,874 FT MD/TVD; WELL TD: 20,354/14,874 FT MD/TVD.**

## Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS					
<b>MUD DATA</b>														
MUD														
TREATMENT														
<b>BIT DATA</b>														
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #

Miscellaneous	BOP Test	BOP Drills	Wind <b>LIGHT</b>	Sea	Weather <b>SEASONAL</b>	DSLTA	Safety Meeting <b>3 X DAILY</b>	
Real-Time Data Quality						<b>No Transmission</b>		
Personnel and Services Information	COMPANY	OTH	RIG	RIG	ARM	OTH	ARM	Total <b>97</b>
	CATEGORY	CTR G	RIG	OTHR	OTHR	VAC	WSC	
	NO. OF PERSONS	16	45	29	4	1	2	
	OPERATING HRS.	0	24	12	12	10	24	
	ON LOCATION HRS.	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers <b>DH 7572</b>							
BULK	Drill Wtr.-BBLS <b>1000</b>	Pot Wtr.- BBLS <b>500</b>	Fuel- BBLS <b>24</b>	Barite- SX	Bentonite - SX	Cement G- SX <b>4050</b>		
REPAIR ASAP	Instrumentation	Other						Reporter
	Computer, Communication & V-Sat Issues							

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D&WO Morning Report (Service Providers View)  
 Copyright 2010 Saudi Aramco. All Rights Reserved  
 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HABA-10 (EVALUATION )</b> Charge (71- 22021-#: <b>0010)</b> Wellbores: (0- 1) HABA_10_1	Rig <b>T- 594</b> Foreman(s) <b>DUNDAS, RYAN MALCOLM/ ALHUWAYMIL, ABDULMAJEED</b> Engineer Superintendent <b>ABDULLAH/ ASWAD, HASSAN KAMAL/ Zahrani, Ali Ibrahim</b>	THURAYA <b>00-882-167-771-4143</b>	RIG FORMAN VSAT <b>378-6536</b>	CONTRACTOR/CLERK VSAT <b>378-6537</b>
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Depth	Last 24 hr operations			Next 24 hr plan			Location			Days Since Spud/Comm (Date)			Formation tops		
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %						
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	LT TYPE	LT ID	Summary of Operations		
01.0	0500 - 0600	0-1	5 7/8	E	CORE	OTH	CORC	HCS	6165	6165			TF	909654	CONTINUE TO CORE WITH HES 5-7/8" X 2-5/8" CONVENTIONAL CORE. POOR ROP RECORDED AT 0.3 FT/HR
00.5	0600 - 0630	0-1	5 7/8	E	CORE	OTH	CORC	HCS	6165	6165			TF	909654	SEE LOSS OF TORQUE ON BIT. PICK UP STRING FREELY WITH NO OVERPULL AS PER HES ENGINEER. CIRCULATE AND RECIPROCALE STRING.
02.0	0630 - 0830	0-1	5 7/8	E	CORE	OTH	CORC	HCS	6165	6165			TF	909654	LOWER STRING TO BOTTOM AND ATTEMPT TO CORE AHEAD. SEE GOOD TORQUE VALUES BUT POOR ROP. ADJUST WOB, FLOW RATE AND ROTARY WITH NO CHANGE IN ROP.DISCUSS POOR ROP WITH ENGINEERING AND DECISION MADE TO POOH. MAX B/G GAS 1,139 PPM AVERAGE B/G 585 PPM. AVERAGED LITHOLOGY FOR LAST 5' IS 40% ANHYDRITE, 10% LIMESTONE AND 50% DOLOMitic LIMESTONE
01.2	0830 - 0945	0-1	5 7/8	E	CORE	CIRC	MPMP	RIG	6165	6165			TF	909654	CIRCULATE BOTTOMS UP AT 200 GPM WITH 72 PCF NACL POLYMER MUD AND 100% CIRCULATION. RECOPROCALE STRING THROUGHOUT. MAX RECORDED GAS BOTTOMS UP 1,851 PPM
00.2	0945 - 1000	0-1	5 7/8	E	CORE	OTH	CORC	RIG	6165	6165			TF	909654	FLOW CHECK.WELL STATIC
00.8	1000 - 1045	0-1	5 7/8	E	CORE	CIRC	MPMP	RIG	6165	6165			TF	909654	PUMP AND SPOT 50 BBLS SOUR SCAV PILL ACROSS OPEN HOLE.
01.8	1045 - 1230	0-1	5 7/8	E	CORE	TO	STDp	RIG	6165	6165	6165	4820	TF	909654	POOH WITH CORING ASSEMBLY ON 5" DP STANDS. MONITOR WELL THROUGH TRIP TANK.
00.5	1230 - 1300	0-1	5 7/8	E	CORE	OTH	CORC	RIG	6165	6165			TF	909654	FLOW CHECK WELL AT LINER SHOE. WELL STATIC. PUMP WEIGHTED SLUG.
01.2	1300 - 1415	0-1	5 7/8	E	CORE	TO	STDp	RIG	6165	6165	4820	3324	TF	909654	CONTINUE POOH WITH CORING ASSEMBLY ON 5" DP STANDS. MONITOR WELL THROUGH TRIP TANK.
00.2	1415 - 1430	0-1	5 7/8	E	CORE	HT	CORC	RIG	6165	6165			TF	909654	CHANGE OUT HANDLING TOOLS FROM 5" TO 4". FLOW CHECK.
01.5	1430 - 1600	0-1	5 7/8	E	CORE	TO	STDp	RIG	6165	6165	3324	1328	TF	909654	CONTINUE POOH WITH CORING ASSEMBLY ON 4" DP STANDS. MONITOR WELL THROUGH TRIP TANK.
00.2	1600 - 1615	0-1	5 7/8	E	CORE	PJSM	CORC	RIG	6165	6165			TF	909654	HPJSM WITH NEW RIG CREW, HES Coring AND FOREMAN. DISCUSS

																PROCEDURE FOR L/D CORE AND ALL ASSOCIATED HAZARDS. FLOW CHECK WELL. STATIC.
01.5	1615 - 1745	0-1	5 7/8	E	CORE	TO	BHA	RIG	6165	6165	1328	90	TF	909654	CONTINUE TO POOH WITH HES 5-7/8" CONVENTIONAL CORE ASSEMBLY ON 4" HWDP STANDS. LAYDOWN NOV 4-3/4" DRILLING JARS.CHECK EACH CONNECTION WHEN BROKE FOR ANY GAS CONTENT. ALL OK. CONTINUOUSLY MONITOR WELL THROUGH TRIP TANK.	
01.2	1745 - 1900	0-1	5 7/8	E	CORE	OTH	CORC	HCS	6165	6165			TF	909654	REMOVE ALL NON-ESSENTIAL PERSONNEL FROM RIG FLOOR. DRILLER, AD AND 2 CORE HANDS PRECAUTIONARY MASK UP WITH SABA. PULL BALL AND PICK UP INNER BBL 90' AND ALLOW TO VENT FOR 1 HOUR WHILE MONITORING VOID BETWEEN BBLS. LOWER INNER BBL AND BREAK TOP CONNECTION TO EXPOSE CORE. ALL READINGS ZERO.	
00.8	1900 - 1945	0-1	5 7/8	E	CORE	OTH	CORC	HCS	6165	6165			TF	909654	CONTINUE TO LAYDOWN 3 TUBES OF INNER STRING FROM CORE# 5. > TOTAL OF 26' RECOVERY. 0% RECOVERED. > TAKE CONTINUOUS GAS READINGS. ALL ZERO.	
00.5	1945 - 2015	0-1	5 7/8	E	CORE	OTH	CORC	HCS	6165	6165			TF	909654	BREAK OFF TOP SECTION OF OUTER BBL AND MOUSEHOLE. PICK UP TO CORE BIT, CONFIRM CONDITION 5-2 AND FULL GAUGE, AND RACKBACK ON DERRICK.	
00.5	2015 - 2045	0-1	5 7/8	N	DRLG	RR	TDS	RIG	6165	6165					SERVICE TOP DRIVE. FLOW CHECK WELL. STATIC	
00.5	2045 - 2115	0-1	5 7/8	N	WH	RTRV	WBSH	RIG	6165	6165					RUN AND RETRIEVE 11" 'DELTA' WEAR BUSHING FROM TBG SPOOL	
02.5	2115 - 2345	0-1	5 7/8	N	BOP	BOPT	BOP	RIG	6165	6165					HPJSM. M/U CUP TEST ASSY W/ 5" DP. FLUSH BOP W/ WATER. P/T ANNULAR, LPR, WELL HEAD VALVES, CHOKE & KILL LINES & VALVES, 300 PSI LOW/ 3000 PSI HIGH FOR 10 MINUTES AS PER ARAMCO STANDARD- OK.	
01.2	2345 - 0100	0-1	5 7/8	N	BOP	OTH	BOP	RIG	6165	6165					L/D CUP TEST ASSY. M/U TEST PLUG ASSY W/ 4" DP.	
03.5	0100 - 0430	0-1	5 7/8	N	BOP	BOPT	RAMS	RIG	6165	6165					CON'T PT BOPE: PT ANNULAR, IBOPE, KILL LINE MANUAL GATE VALVES, STANDPIPE, SAFETY VALVE & BLIND/SHEAR RAMS. L/D BOPE TEST ASSY.	
00.5	0430 - 0500	0-1	5 7/8	N	BOP	OTH	RBOP	RIG	6165	6165					PERFORMED ACCUMULATOR DRAW DOWN TEST...ON GOING AT RT.	

#### Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
27 Feb 0500 - 2015	15.25	15.25	909654		TF	FOT	CORBL	HCS	6165	WASHOUT IN THE INNER BARRELS.

- TOW @ 3574', BOW @ 3588', KOP @ 3598'  
- CURRENT DIRECTIONAL PLAN- LO-1 PH P.4  
- CURRENT WELLPATH 1.22' RIGHT, 0.03' BELOW, 1.32' CENTER TO CENTER.

- ARAMCO RIG CLERK AZEEMODDIN MOHAMMED ID#8099837 ON LOCATION SINCE 23 DEC2022.  
- ABDULAZIZ ALMUTAIRI, #747779 ARAMCO WELLSITE GEOLOGIST ARRIVE ON RIG FEB 17, 2023  
- MOHAMMAD ALJEZAN, #784752 ARAMCO WELLSITE GEOLOGIST ARRIVE ON RIG FEB 17, 2023

- REVIEW & DISCUSS HSE ALERT = NONE  
- DRILLS = 0 X TRIP DRILL, 1 X PIT DRILL, 1 X H2S DRILL  
- OBSERVATION REPORTED IN SLS=6

- NEAR MISS REPORTED= NONE
- RIG CREW SHORTAGE= NONE

**INTERVALS (FT-FT): LITHOLOGY (%):**

- > 6,164' - 6,165': LIMESTONE (0-10), ANHYDRITE (0-40) DOLOMATIC LIMESTONE (0-50).
- > BACKGROUND GASES: 585 PPM.
- > MAX GASES: 1139 PPM @ 6,165'.
- > BTM UP GASES: 1851 PPM @ 6,165'.

- NOV 4-3/4" DRILLING JAR SERIAL #380-47939 ON LOCATION 20-FEB-2023

-1,465 BBLS 72 PCF OBM ON LOCATION

-RADIO COMMUNICATION NOT AVAILABLE WITH DHARAHAN ECC DUE TO DISTANCE. CHECK IN BY PHONE DAILY.

-DAILY DIESEL CONSUMPTION FOR ENGINES (RIG+CAMP): 48.3 BBLS & CUMMULATIVE FOR WELL = 2513.98 BBLS.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS											
MUD DATA	Weight <b>72</b>	Funnel Vis. <b>52 SEC</b>	Filtrate(WL) <b>12 HTHP</b>	Filtrate (WL) API	PV <b>13</b>	YP <b>28</b>	Electrical Stability 0 Volts	3/6 RPM <b>8 / 10</b>	Gels Sec/Min <b>8 / 9</b>	PH <b>10</b>	CA PPM <b>200</b>	CL PPM <b>33000</b>														
	FL Temp <b>125</b>	Cake HTHP <b>0.5</b>	Cake API <b>1</b>	Water Vol.% <b>89</b>	Oil Vol.% <b>1</b>	Solids Vol.% <b>10</b>	Sand Vol.% <b>0</b>	% LGS <b>3.98</b>	MBT <b>5</b>	Mud type <b>NCPOL</b>	Water Well # <b>HABA-810</b>															
	Weight <b>72</b>	Funnel Vis. <b>54 SEC</b>	Filtrate(WL) <b>12 HTHP</b>	Filtrate (WL) API	PV <b>13</b>	YP <b>29</b>	Electrical Stability 0 Volts	3/6 RPM <b>9 / 11</b>	Gels Sec/Min <b>9 / 11</b>	PH <b>10</b>	CA PPM <b>200</b>	CL PPM <b>33000</b>														
	FL Temp <b>0</b>	Cake HTHP <b>0.5</b>	Cake API <b>1</b>	Water Vol.% <b>89</b>	Oil Vol.% <b>1</b>	Solids Vol.% <b>10</b>	Sand Vol.% <b>0</b>	% LGS <b>3.98</b>	MBT <b>5</b>	Mud type <b>NCPOL</b>	Water Well # <b>HABA-810</b>															
MUD TREATMENT	BACT <b>1(5GLD)</b>	G-SCAV AR <b>3(55GL)</b>	S-P-EXTEND <b>1(55GL)</b>																							
BIT DATA	Bit Number <b>12RR</b>	IADC <b>M433</b>	Size <b>5.875</b>	Manufacturer <b>SEC</b>	Serial Number <b>13227814</b>	Type <b>FC3845 / 8 X 13 / 1.037</b>	Jets <b>6138</b>	TFA <b>6164</b>	MD In	MD Out	TVD Out															
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP										
DRILL STRING	Float <b>140</b>	Y																								
	BHA Hrs: <b>145</b>	<b>71</b>																								
	String Wt. <b>140</b>	Pick Up <b>145</b>	Slack Off <b>135</b>		Rot. Torque <b>4000</b>		Jars: Serial #/Hrs	/ <b>71</b>		Shock Sub: <b>/</b>		Mud Motor: <b>/</b>														
	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #												
Miscellaneous	BOP Test <b>02/27/2023</b>	BOP Drills <b>WEEKLY</b>			Wind	Sea	Weather <b>SEASONAL</b>			DSLTA		Safety Meeting <b>TOURLY</b>														
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs			10.99/24 hrs											
Personnel and Services Information	COMPANY	RIG	HCS	SDM	RIG	GDF	BFL	NOJ	HMS	ARN	MI2	ARM			Total <b>101</b>											
	CATEGORY	CTRG	CEQS	DPDS	RIG	DFMS	FILT	JST	MLS	OTHR	SCS	WSC														
	NO. OF PERSONS	<b>14</b>	<b>4</b>	<b>3</b>	<b>67</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>2</b>														
	OPERATING HRS.	<b>0</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>13</b>	<b>24</b>	<b>12</b>	<b>24</b>	<b>24</b>														
	ON LOCATION HRS.	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>														
Trucks/Boats	Standby/Tankers																									
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX																				
REPAIR ASAP	Instrumentation	Other												Reporter												
	Computer, Communication & V-Sat Issues																									
<b>NEED PRINTER FOR RIG CLERK. NON-AVAILABLE</b>																										

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>MDRK-77 (MK-1 VERTICAL PILOT HOLE TO 150' INTO BUZA WITH SIDETRACK OPTION)</b> Charge (66- 22514- #: 0077) Wellbores: (0) MDRK_77_0	Rig <b>T- 598</b> Foreman(s) <b>HASSAN, KHALED ALI/ ELBANAIOUSY, AHMED MOHAMED/ ALJAHDALI, ABDULAZIZ HOMYED/</b> Engineer Superintendent <b>HAZOOM, AHMED ABDULADHEM/</b> <b>QAHTANI, MOHAMMED TURKI</b>	THURAYA <b>+8821677712709</b> RIG FORMAN VSAT <b>5779310</b>	OTHER VSAT <b>8756460</b>	OTHER VSAT <b>8756461</b>	CONTRACTOR/CLERK VSAT <b>5779308</b>
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Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>15815</b>	<b>POH CORETRAX WBCO ASSY, RUN 5- 7/8" ROTARY BHA W/ MWD-GR.</b>	<b>DRILL-OUT SHOE TRACK, DISPLACE HOLE, ROTARY DRILL 5-7/8" HOLE TO +/- 16,275' (150 FT TVD INTO BUZA).</b>	<b>301 KM FROM DH MAIN GATE</b>	<b>42.6</b> (01/15/2023@1500)	<b>UNZA 15805 2' SHALLOW</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>15815</b>	<b>7</b>	<b>11775</b>	<b>15813</b>	<b>15813</b>	<b>9 5/8</b>	<b>1208512082</b>		<b>0</b>	<b>100</b>

Hrs (From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		LT TYPE	LT ID	Summary of Operations		
								Start	End	Start	End					
01.8 0500 - 0645 0		8 3/8	N	CT	CIRC	MPMP	RIG	15815	15815					REVERSE CIRCULATION , DUMP WATER & CONDITION MWT IN/OUT 107 PCF.		
00.8 0645 - 0730 0		8 3/8	N	CT	WCNT	NA	RIG	15815	15815					FLOW CHECK - WELL STATIC. > L/D TEST ASSY. (UPPER FOSV+SIDE ENTRY CIRC SUB+ LOWER FOSV) & SURFACE LINE.		
05.5 0730 - 1300 0		8 3/8	N	CT	WBCO	WBCL	CRW	15815	15815					POH 7" & 9-5/8" CORETRAX WBCO ASSY ON 5.5" DP TO 4102'. > CONTROLLED SPEED WHILE POH AS PER CORETRAX.		
01.5 1300 - 1430 0		8 3/8	N	CT	WBCO	WBCL	CRW	15815	15815					POH & L/D 9-5/8" CORETRAX WBCO ASSY & LTTT PACKER.		
02.0 1430 - 1630 0		8 3/8	N	CT	WBCO	WBCL	CRW	15815	15815					POH 7" CORETRAX WBCO ASSY ON 4" DP TO 984'.		
03.0 1630 - 1930 0		8 3/8	N	CT	WBCO	WBCL	CRW	15815	15815					POH & L/D 7" CORETRAX WBCO ASSY. & L/D BIT.		
03.5 1930 - 2300 0		8 3/8	N	DRLG	HT	BHA	RIG	15815	15815					P/U & M/U 5-7/8" SMITH PDC BIT (MR613C-SN#QF3503) ON ROTARY BHA WITH SPERRY-SUN MWD/GR. > SHALLOW TEST MWD TO 220 GPM - 950 PSI.		
00.5 2300 - 2330 0		8 3/8	N	DRLG	RR	TDS	RIG	15815	15815					SERVICE TDS.		
02.0 2330 - 0130 0		8 3/8	N	DRLG	TI	STDP	RIG	15815	15815	1360	5142			RIH 5-7/8" ROTARY BHA ON 4" DP TO 5142'.		
00.2 0130 - 0145 0		8 3/8	N	DRLG	HT	PEL	RIG	15815	15815					CHANGE PIPE ELEVATOR TO 5-1/2".		
01.2 0145 - 0300 0		8 3/8	N	DRLG	TI	STDP	RIG	15815	15815	5142	7050			RIH 5-7/8" ROTARY BHA ON 5.5" DP TO 7050'. > FILL PIPE EVERY 20 STANDS WHILE RIH.		
01.5 0300 - 0430 0		8 3/8	N	DRLG	SURV	MWD	SPS	15815	15815			TF	909621	TROUBLESHOOTING MWD SIGNAL AND TEST MWD TO 240 GPM - 2370 PSI OK.		
00.5 0430 - 0500 0		8 3/8	N	DRLG	TI	STDP	RIG	15815	15815	7050	8676			RIH 5-7/8" ROTARY BHA ON 5.5" DP TO 8676'. > FILL PIPE EVERY 20 STANDS WHILE RIH.		

Lost Time Details														
From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID		Type	Cause	Object	Resp Co	Depth	LT Summary			
27 Feb 0300 - 0430	1.5	1.5	909621			TF	XTTE	MWD	SPS	7050	TROUBLESHOOTING MWD SIGNAL			

**MDRK-77 WILL BE DRILLED AS MK-1 VERTICAL MAINTAIN POTENTIAL WELL IN THE WEST AREA OF MDRK FIELD TARGETING MOST DEVELOPED UNAYZAH-A SUB LAYERS. THE WELL TD WILL BE 150' INTO BUZA, FOLLOWED BY EITHER A TWIN SIDETRACK OR SINGLE LATERAL SIDETRACK BASED ON THE LOG FOR THE PILOT HOLE.THE WELL WILL BE COMPLETED WITH CONVENTIONAL SAND SCREENS.**

=====PERSONNEL=====

- > ARAMCO HSE ADVISOR BILAL AHMED #8557373 ON LOCATION.
- > ARAMCO MATERIAL CLK HUSSAIN ALAYESH #818382 ON LOCATION.
- > ARAMCO FCT NASSER ALQAHTANI #796644 ON LOCATION.

===== RIG VISIT =====

=====HSE=====

- > DRILLS: 2 X TRIP DRILL , 2 X SWA DRILL.
- > HSE ALERT: NONE.
- > NEAR MISS: SLS#4483701.

**OPERATIONS**

- > IMPLEMENTING CLOSED LOOP DRILLING PRACTICE.
- > 2 X SLB BARITE SILOS ON LOCATION.
- > 3 X BAKER FRAC TANKS ON LOCATION.
- > 2 VACUM TANKER ON LOCATION FROM ALFUWAILH.

**NEXT WELL: MDRK-74 IS 70% READY.**

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS										
MUD DATA	Weight <b>107</b>	PCF	Funnel Vis. <b>62</b>	SEC	Filtrate(WL) <b>1.8</b>	HTHP	Filtrate (WL) API	PV <b>36</b>	YP <b>16</b>	Electrical Stability <b>600</b> Volts	3/6 RPM <b>8 / 9</b>	Gels Sec/Min <b>9 / 14</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>21000</b>									
	FL Temp <b>95</b>	Cake HTHP	Cake API <b>0</b>		Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. % <b>0</b>		% LGS <b>6.56</b>	MBT <b>0</b>	Mud type <b>MXBRDG</b>	Water Well # <b>MDRK-808, MDRK-813</b>											
	Weight <b>107</b>	PCF	Funnel Vis. <b>60</b>	SEC	Filtrate(WL) <b>1.8</b>	HTHP	Filtrate (WL) API	PV <b>36</b>	YP <b>14</b>	Electrical Stability <b>605</b> Volts	3/6 RPM <b>8 / 9</b>	Gels Sec/Min <b>9 / 14</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>21000</b>									
	FL Temp <b>95</b>	Cake HTHP	Cake API <b>0</b>		Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. % <b>0</b>		% LGS <b>6.46</b>	MBT <b>0</b>	Mud type <b>MXBRDG</b>	Water Well # <b>MDRK-808, MDRK-813</b>											
MUD TREATMENT																								
BIT DATA	Bit Number <b>8</b>	IADC <b>M333</b>	Size <b>5.875</b>	Manufacturer <b>SMT</b>	Serial Number <b>GF3503</b>	Type <b>MR613C / 3 X 14 / 0.451</b>	Jets	TFA	MD In	MD Out	TVD Out													
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP								
DRILL STRING												<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>								
	Float <b>Y</b>																							
	BHA Hrs:																							
	String Wt.	Pick Up	Slack Off		Rot. Torque				Jars: Serial #/Hrs			/	Shock Sub:	/	Mud Motor:	/								
	Order	Component			Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #								
	<b>1</b>	<b>Bit</b>			<b>SMT</b>	<b>5.875</b>	<b>1</b>	<b>5.875</b>	<b>0</b>	<b>0.67</b>	<b>3-1/2 IF</b>					<b>GF3503</b>								
	<b>2</b>	<b>Near Bit Roller Reamer</b>			<b>RIG</b>	<b>5.875</b>	<b>1</b>	<b>5.875</b>	<b>1.5</b>	<b>6.45</b>	<b>4 IF</b>					<b>3-1/2 IF</b>								
	<b>3</b>	<b>Pony Collar</b>			<b>RIG</b>	<b>4.75</b>	<b>1</b>	<b>6.375</b>	<b>2.875</b>	<b>15.06</b>	<b>3-1/2 IF</b>					<b>3-1/2 IF</b>								
	<b>4</b>	<b>Roller Reamer</b>			<b>RIG</b>	<b>5.875</b>	<b>1</b>	<b>5.875</b>	<b>1.5</b>	<b>6.11</b>	<b>3-1/2 IF</b>					<b>4 IF</b>								
	<b>5</b>	<b>Measurement While Drilling (MWD)</b>			<b>SPS</b>	<b>4.75</b>	<b>1</b>	<b>4.75</b>	<b>2.812</b>	<b>31.02</b>	<b>4.5 IF</b>													
	<b>6</b>	<b>Filter Sub</b>			<b>SPS</b>	<b>4.75</b>	<b>1</b>	<b>4.75</b>	<b>2.5</b>	<b>6.3</b>	<b>4.5 IF</b>					<b>4.5 IF</b>								
	<b>7</b>	<b>Roller Reamer</b>			<b>RIG</b>	<b>5.875</b>	<b>1</b>	<b>5.875</b>	<b>1.5</b>	<b>6.14</b>	<b>4 IF</b>					<b>4 IF</b>								
	<b>8</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>4.75</b>	<b>23</b>	<b>4.75</b>	<b>2.25</b>	<b>707.72</b>	<b>4 IF</b>					<b>4 IF</b>								
	<b>9</b>	<b>Hydraulic Jar</b>			<b>NOJ</b>	<b>4.75</b>	<b>1</b>	<b>4.75</b>	<b>2.375</b>	<b>28.21</b>	<b>4 IF</b>					<b>HJDA4750061</b>								
	<b>10</b>	<b>Drillcollar</b>			<b>RIG</b>	<b>4.75</b>	<b>3</b>	<b>4.75</b>	<b>2.375</b>	<b>92.17</b>	<b>4 IF</b>					<b>4 IF</b>								
	<b>11</b>	<b>Crossover</b>			<b>RIG</b>	<b>4.875</b>	<b>1</b>	<b>4.875</b>	<b>2.625</b>	<b>3.18</b>	<b>XT39</b>					<b>4 IF</b>								
	<b>12</b>	<b>Heavy Weight Drillpipe (HWDP)</b>			<b>RIG</b>	<b>4</b>	<b>15</b>	<b>4</b>	<b>2.56</b>	<b>457.83</b>	<b>XT39</b>					<b>XT54</b>								
	<b>13</b>	<b>Drillpipe</b>			<b>RIG</b>	<b>4</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>30</b>	<b>XT54</b>					<b>XT54</b>								
Miscellaneous	BOP Test <b>02/24/2023</b>		BOP Drills		Wind <b>NORMAL</b>		Sea <b>ONSHORE</b>		Weather <b>COLD</b>		DSLTA		Safety Meeting <b>PRE-TOUR</b>											
	Real-Time Data Quality			Sensors Quality			<b>100%</b>	Data Frequency		<b>100%</b>	Real-Time Hrs		<b>10.99/24 hrs</b>											
Personnel and Services Information	COMPANY		OTH	<b>RIG</b>	<b>BDF</b>	<b>EMC</b>	<b>SMI</b>	<b>SPS</b>	<b>RO1</b>	<b>RIG</b>	<b>ARM</b>	<b>MI3</b>	<b>ARM</b>	<b>CRW</b>	<b>Total 102</b>									
	CATEGORY		<b>CTRG</b>	<b>RIG</b>	<b>DFMS</b>	<b>DFMS</b>	<b>DFMS</b>	<b>LWD</b>	<b>MLS</b>	<b>OTHR</b>	<b>OTHR</b>	<b>WMS</b>	<b>WSC</b>	<b>WBCS</b>										
	NO. OF PERSONS		<b>14</b>	<b>44</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>18</b>	<b>3</b>	<b>6</b>	<b>3</b>	<b>2</b>										
	OPERATING HRS.		<b>0</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>9</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>15</b>										
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>15</b>										
Trucks/Boats	Standby/Tankers <b>SA TRUCK AB-6356</b>																							
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS <b>584</b>		Fuel- BBLS		Barite- SX		Bentonite - SX		Cement G- SX														
REPAIR ASAP	Instrumentation		Other													Reporter								
	Computer, Communication & V-Sat Issues																							

Date	Well No (Type) :	Rig	Foreman(s)
MONDAY 02/27/2023	HRDH-1823 <b>(DECOMPLETE AND DRILL 8-3/8" SIDE TRACK FROM SUDR TO 5 TVD INTO KFCC. COMPLETE W/ 7" CEMENTED LINER A)</b>	T-701	AJOKU, CHUKWUMA CHIAKA/ IBRAHIM, KHALED ALY/ ALJASEM, MOHAMMED JAWAD/ BHATTACHARYA, SUDIP/ OTAIBI, MUKHLED FARAH
Engineer	Superintendent	RIG FORMAN VSAT	OTHER VSAT
THURAYA 008821677712166	013-577-9678	013-577-9675	CONTRACTOR/CLERK VSAT 013-577-9680
Charge (71- 22058-#: 1823)	Wellbores: (0) HRDH_1823_0		

Depth	Last 24 hr operations			Next 24 hr plan			Location			Days Since Spud/Comm (Date)			Formation tops	
Prev. Depth	Liner Size	TOL	MD	MD	TVB	Last Csg Size	MD	TVB	Footage	Circ %				
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Start	End	Start	End
11245	RIH WHIPSTOCK ASSY ON DP, RUN W/L GYRO TO ORIENT WHIPSTOCK AND SET. DISPLACE TO 107 PCF INNOVERT OBM. MILL 8-3/8" SIDETRACK WINDOW	CONT. 8-3/8" MILL SIDETRACK WINDOW AND RAT-HOLE, CIRC HOLE CLEAN. POOH TO SURFACE,W/ MILLS ASSY. P/U AND M/U BAKER RSS/MWD DRILLING ASSY							THE WELL LOCATION IS 8 KM FROM HARADH ALONG YABREEN ROAD, TURN RIGHT AT T-701 SIGNPOSTS	8.4	(02/18/2023@2000)			
11245	4 1/2	12121	14745	12415	9 5/8	11757	11757			0		100		
														Summary of Operations
03.8	0500 - 0845 0		N	TINL	HT	BHA	RIG	11836	11836					CONTINUE M/U & RIH WITH WIS 9-5/8" CH WHIPSTOCK AND FASTRACK TRI-MILL ASSY ACCORDING TO WIS PROCEDURE. >> CHECK LEAD, FOLLOW AND DRESS MILLS OF FASTRACK ASSY WITH 8-3/8" GAUGE RING - ALL IN GAUGE >> BAKER DD CONDUCT ALIGNMENT SCRIBE OF WHIPFACE TO HBHO >> SCIENTIFIC DRILLING WIRELINE FXN CHECK GYRO STINGER IN THE UBHO - OK
03.2	0845 - 1200 0		N	TINL	TI	STDP	RIG	11836	11836	1375	4770			RIH W/ WIS 9-5/8" TRACK MASTER WHIPSTOCK ASSY ON 5-1/2" DP W/CONTROLLED SPEED 3 MIN/STD TO 4,770'.
00.5	1200 - 1230 0		N	TINL	RR	TDS	RIG	11836	11836					TOP DRIVE SERVICE
05.5	1230 - 1800 0		N	TINL	TI	STDP	RIG	11836	11836	4770	11245			RIH W/ WIS 9-5/8" TRACK MASTER WHIPSTOCK ASSY ON 5-1/2" DP W/CONTROLLED SPEED 3 MIN/STD TO 12,245'.
06.0	1800 - 0000 0		N	TINL	SURV	GYRO	SCD	11836	11836					HPJS, R/U SCIENTIFIC DRILLING W/L SHEAVES AND RIH WITH GYRO TOOL ON WIRELINE. READ TOOL FACE AND ORIENT WHIPSTOCK TOOLFACE TO 90 DEG AZ. >> POOH AND RIG DOWN SCIENTIFIC DRILLING WIRELINE.
01.5	0000 - 0130 0		N	TINL	SET	WPSTK	WI3	11836	11836	11245	11245			HPJS. SET 9-5/8" WIS WHIPSTOCK AS PER WIS PROCEDURE >> CYCLE MCVPV CLOSE (6 CYCLES), PRESSURE UP TO 3500 PSI AND HOLD FOR 5 MIN. >> CONFIRM WHIPSTOCK SET WITH 20 KLB SLACKOFF AND 10 KLB OVERPULL >> SHEAR BREAK BOLT & RELEASE TRI-MILL ASSY FROM WHIPSTOCK. >> BREAK KNOCK OFF PLUG >> WHIPSTOCK SET AT 11,245' AND 90 DEG AZ (TOW @11,219', BOW @ 11,233')
02.0	0130 - 0330 0		N	TINL	CIRC	MPMP	RIG	11836	11836					POSITION MILL 10FT ABOVE TOW. DISPLACE WELL TO 107 PCF OBM AND CONDITION UNTIL MUD WT IN/OUT SAME >> RECORD MUD PUMP SCR'S AND ESTABLISH MILLING PARAMETERS.
01.5	0330 - 0500 0		N	TINL	MILL	MILL	WI1	11836	11836	11219	11222			MILL 8-3/8" SIDETRACK WINDOW IN 9-5/8" CASING WITH WIS TRI-MILL ASSY FROM 11,219' TO 11,222' >> 400 GPM, 80 RPM, WOB 5-10 KLBS & TQ 3-6 K.FT-LBS, AVG ROP 3 FT/HR >> PUMP 20 BBL HI-VIS PILL EVERY 1 FT MILLED. >> ...ONGOING

=====SAFETY & DRILLS=====

>> DRILLS: 4 (1 STOP WORK AUTHORITY, 1 H2S RELEASE & 2 X TRIIP) DRILLS

>> SOC TODAY: 80

>> DISCUSSED KNOWLEDGE ASSET SHARED- ROTARY BUSHING PULLER DROPPED IN WELL WITH RIG CREW.

=====ARAMCO PERSONNEL=====

>> FIELD COMPLIANCE TECH IBRAHIM ALHAZAA ON LOCATION 2/15/2023.

>> ARAMCO MATERIALS EXPEDITOR ABDULLA ALSHUAIBI ON LOCATION 2/21/2023.

=====THIRD PARTY ON LOCATION=====

>> EMEC MUD ENGINEER ON LOCATION 2/15/2023.

>> BAROID MUD ENGINEER ON LOCATION 02/23/2023.

>> RECEIVED MIDAD HMJ S/N: DJ10-650-185 @ 17:00 HRS ON 02/22/2023, P/U @ 04:15 ON 02/24/2023.

>> WIS WHIPSTOCK OPERATOR ON LOCATION 02/24/2023.

>> BAKER DD AND MWD CREW ON LOCATION 02/24/2023.

>> SCIENTIFIC GYRO UNIT AND CREW ON LOCATION 02/25/2023.

>> SLB CENTRIFUGE UNIT AND CREW ON LOCATION 02/26/2023.

>> SLB MUD LOGGING UNIT AND CREW ON LOCATION 02/26/2023.

=====VACCUM TANKERS =====

1-PLATE 4391-BRA DOOR ID#20151 , 2-PLATE 3698-BRA DOOR ID#20-134 N LOCATION SINCE 02/24/2023.

=====NEXT WELLS=====

>> 1ST NEXT WELL JFYN-9: 1 HOLE SIZE PRESET UYJC. LOCATION 100% READY.

>> 2ND NEXT WELL MDRK-19: NDE. LOCATION 0% READY. HELD PRE WO-MEETING ON 1/25/2023.

Remarks

Lateral	Survey MD		Angle	Azimuth	CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS				
MUD DATA	Weight <b>64</b> PCF	Funnel Vis. <b>67</b> SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV <b>20</b>	YP <b>22</b>	Electrical Stability 0 Volts	3/6 RPM <b>8 / 12</b>	Gels Sec/Min <b>10 / 13</b>	PH <b>10</b>	CA PPM <b>240</b>	CL PPM <b>180</b>					
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>1</b>	Water Vol.% <b>97</b>	Oil Vol.% <b>0</b>	Solids Vol.% <b>3</b>	Sand Vol. % <b>0</b>	% LGS <b>1.53</b>	MBT <b>10</b>	Mud type <b>WATER</b>	Water Well # <b>HRDH-3516, UDYN-804</b>						
	Weight <b>107</b> PCF	Funnel Vis. <b>88</b> SEC	Filtrate(WL) 1 HTHP	Filtrate (WL) API	PV <b>39</b>	YP <b>8</b>	Electrical Stability 480 Volts	3/6 RPM <b>5 / 6</b>	Gels Sec/Min <b>7 / 11</b>	PH <b>0</b>	CA PPM <b>0</b>	CL PPM <b>0</b>					
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>0</b>	Water Vol.% <b>15</b>	Oil Vol.% <b>59</b>	Solids Vol.% <b>26</b>	Sand Vol. % <b>0</b>	% LGS <b>2.53</b>	MBT <b>0</b>	Mud type <b>WATER</b>	Water Well # <b>HRDH-3516, UDYN-804</b>						
MUD TREATMENT																	
BIT DATA																	
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class				
Miscellaneous	BOP Test <b>02/21/2023</b>	BOP Drills			Wind <b>MILD</b>	Sea <b>N/A</b>	Weather <b>COLD</b>		DSLTA <b>4238</b>	Safety Meeting <b>DAILY</b>							
	Real-Time Data Quality		Sensors Quality		100%	Data Frequency		100%	Real-Time Hrs		10.99/24 hrs						
Personnel and Services Information	COMPANY		SCC	WI3	BHI	RIG	BAR	EMC	MJH	SCD	CTC	RIG	ARM	ARM	SGR	MI2	Total <b>100</b>
	CATEGORY		CTR G	WPSTK	DPDS	RIG	DFMS	DFMS	SEC	ISS	JST	OTHR	OTHR	WSC	MLS	SCS	
	NO. OF PERSONS		14	1	3	41	1	1	8	2	0	21	2	2	2	2	
	OPERATING HRS.		0	24	12	12	12	12	12	12	0	12	12	24	0	0	
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	0	24	24	24	15	4	
Trucks/Boats	Standby/Tankers <b>AB-7120</b>																
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>426</b>		Barite- SX <b>145</b>		Bentonite - SX <b>8</b>		Cement G- SX <b>660</b>								
REPAIR ASAP	Instrumentation <b>FLOWMETER NEED TO BE REPLACED</b>	Other Computer, Communication & V-Sat Issues											Reporter				

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>QTIF-407 (SINGLE LATERAL ARAB-C HP WITH A PILOT HOLE)</b> Charge (66- 22012- #: 0407) Wellbores: (1) QTIF_407_1	Rig <b>T- 702</b> Foreman(s) <b>BENAZOU, RACHID/ ALBUZAID, MOHANNAD SAMI/</b> Engineer <b>JAROUDI, BASSAM ADNAN/</b> Superintendent <b>ELDEEB, TAREK ABD ALLA</b>
		THURAYA   RIG FORMAN VSAT +8821677711057   013-6787860   OTHER VSAT 013-6787780   CONTRACTOR/CLERK VSAT 013-6735693 / 6787780

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>16450</b>	<b>DISPLACE CASED HOLE TO BRINE. POOH SAMAA 7" C/O ASSY TO SURFACE, P/T BOP, RIH SLB 7" QHSB LOWER COMPLETION.</b>	<b>CONT RIH SLB 7" QHSB LOWER COMPLETION, SET PACKER, POOH RUNNING TOOL, RIH WITH 7" CHAMP PACKER.</b>	<b>QTIF-407, PAD-N8</b>	<b>71.5</b> (12/17/2022@1500)	<b>BUWB 5662 5870' MD (26' SHALLOWER) SULY 6159 6474 ' MD (4' TVD DEEPER) HITH 6656 7291' MD (2' TVD SHALLOWER) ARAB 6927 8204' MD (42' TVD DEEPER) ABAR 6936 8283' MD (49' TVD DEEPER) BAAR 6946 8560' MD (52' TVD DEEPER) ABBR 6950 8814' MD (51' TVD DEEPER) BABR 6952 9296' MD (44' TVD DEEPER) ABCR 6953 9929' MD (33' TVD DEEPER)</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>16450</b>	<b>7</b>	<b>5239</b>	<b>12950</b>	<b>6943</b>	<b>9 5/8</b>	<b>57525558</b>		<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
01.0	0500 - 0600	1		N	CT	CIRC	MPMP	RIG	16450	16450			CIRCULATE BTM UPS. FLOW CHECK - STATIC.
02.0	0600 - 0800	1		N	CT	CIRC	MPMP	RIG	16450	16450			DISPLACE CASED HOLE TO 84 PCF BRINE WITH 250 GPM & 100% CIRC, FLOW CHECK - STATIC.
04.5	0800 - 1230	1		N	CT	TO	STDP	RIG	16450	16450	12335	1300	POOH SAMAA 7" C/O ASSY ON 4" DP TO 1300' MD. - MONITOR WELL ON TRIP TANK - STATIC.
00.5	1230 - 1300	1		N	CT	SDR1	NA	RIG	16450	16450			HELD STAND DOWN MEETING WITH RIG CREW DISCUSS STOP WORK AUTHORITY AND FOCUSING ON FINGER INJURY PREVENTION CAMPAIGN.
01.2	1300 - 1415	1		N	CT	WBCO	WBCL	SAM	16450	16450			HPJSM, M/U SAMAA BOP JETTING TOOL, JET & CLEAN BOP WITH 250 GPM, L/D SAME.
01.8	1415 - 1600	1		N	CT	HT	BHA	RIG	16450	16450			HPJSM, L/D SAMAA 7" WBCO TOOLS, RACK BACK 3 JTS X 4" DP, 3 STD'S X 4" HWDP, L/D STRING MILL, L/D BIT SUB & BIT. * RECOVERED 1.5 KG OF FINE DBRIS IN MAGNETS & JUNK BASKET.
00.8	1600 - 1645	1		N	BOP	OTH	BOP	RIG	16450	16450			HPJSM, P/U 11" FMC TEST PLUG ASSY, R/U TEST UNIT & SURFACE LINES.
00.5	1645 - 1715	1		N	BOP	OTH	BOP	RIG	16450	16450			FLUSH BOP STACK, KILL/CHOKE LINES, CHOKE MANIFOLD, POOR BOY DEGASSER, VENT LINE & FLARE LINE WITH WATER. FUNCTION TEST BOPE FROM TOOLPUSHER / RIG FLOOR CONTROL PANEL & ACCUMULATOR UNIT, FUNCTION TEST RAM MANUAL LOCKS.
00.5	1715 - 1745	1		N	BOP	PJSM	BOP	RIG	16450	16450			PERFORM ACCUMULATOR DRILL WITH ISOLATING CHARGING PUMPS, CLOSED ANNULAR & ALL PIPE RAMS PREVENTERS (RE-OPEN TPR TO SIMULATE CLOSE SBR) & OPENED ONE HCR, RECORDED RESPONSE TIME & FINAL ACCUMULATOR PRESSURE.
02.2	1745 - 2000	1		N	BOP	BOPT	BOP	RIG	16450	16450			P/T 13-5/8" 10K CLASS "A" BOPE STACK 6TH EDITION CONFIGURATION TO 300/2550 PSI FOR 10 MIN. - TEST#1: ANN BOP, KL6, KL7, CHOKE MANIFOLD VALVE #19, UPPER IBOP - TEST#2: UPPER PIPE RAMS, KL 2, KL 5, CL 2, LOWER IBOP - TEST#3: UPPER PIPE RAMS, KL 1, KL 4, CL 1, SAFETY VALVE - TEST#4: MASTER PIPE RAM, IBOP (GREY VALVE), KL 3 - TEST#5: RELEASED TEST JT FROM TEST PLUG, BLIND SHEAR RAMS, CV1, CV 2, AUTOCLAVE HIGH PRESSURE PLUG. - TEST#6: KILL COFLEX HOSE - KL6 - TEST#7: EMERGENCY KILL LINE CONNECTION - KL 7

00.8	2000 - 2045	1		N	BOP	OTH	BOP	RIG	16450	16450			L/D TEST PLUG ASSY & SIDE ENTRY SUB, M/U 7" CUP TESTER ASSY TAILED WITH 3 STDS X 4" HWDP, RUN & SET SAME INSIDE 7" CSG @ 90' BELOW WELL HEAD.
00.8	2045 - 2130	1		N	BOP	BOPT	BOP	RIG	16450	16450			TEST#8: P/T UPPER PIPE RAM, 2 X WELLHEAD VALVES, PRIMARY KILL LINE MANUAL VALVE (KL#1) & SECONDARY KILL LINE MANUAL VALVE (KL#3) TO 300/2550 PSI FOR 10 MIN. - OFFLINE: P/T CHOKE MANIFOLD TO 300/3,000 PSI FOR 10 MIN, OK.
00.5	2130 - 2200	1		N	BOP	OTH	BOP	RIG	16450	16450			L/D CUP TESTER & BOP TESTING EQUIPMENT.
00.8	2200 - 2245	1		C	COMP	HT	PEL	GOC	16450	16450			HPJSM, R/U AL-GHAITH 4-1/2" TUBING HANDLING EQUIPMENT.
02.0	2245 - 0045	1		C	COMP	HT	PKR	SCP	16450	16450			HPJSM, P/U & M/U SLB LOWER COMPLETION ASSY AS FOLLOW: - 4-1/2" 12.6# L-80 NVAM JT CUT AS HALF MULE SHOE + 1 JT X 4-1/2" TBG (12.6#, L-80, NVAM). - ASSY#1: CERAMIC DISK WITH 2 X 4-1/2" PUP JT (12.6#, L-80, NVAM) + 1 JT X 4-1/2" TBG (12.6#, L-80, NVAM). - ASSY#2: CERAMIC DISK WITH 2 X 4-1/2" PUP JT (12.6#, L-80, NVAM) + 2 JT X 4-1/2" TBG (12.6#, L-80, NVAM). - ASSY#3: SLB 7" QHSB HYDRAULIC SET RETRIEVEABLE PACKER WITH & PBR ASSY+ ANCHOR LATCH +X/O+ CIRC SUB + X/O.
00.5	0045 - 0115	1		C	COMP	SDR1	NA	RIG	16450	16450			HELD STAND DOWN MEETING WITH RIG CREW DISCUSS STOP WORK AUTHORITY AND FOCUSING ON FINGER INJURY PREVENTION CAMPAIGN
00.5	0115 - 0145	1		C	COMP	HT	PEL	GOC	16450	16450			HPJSM, R/D AL-GHAITH 4-1/2" TUBING HANDLING EQUIPMENT.
03.2	0145 - 0500	1		C	COMP	TI	STDP	RIG	16450	16450	200	3500	RIH SLB 7" LOWER COMPLETION ASSY ON DRIFTED 4" DP STD AT CONTROLLED SPEED (3 MIN/STD) TO 3,500'. - MONITOR WELL ON TRIP TANK - STATIC.

QTIF-407 WILL BE DRILLED FROM DRILL SITE N-8B AS AN OPEN HOLE SINGLE LATERAL ARAB-C HP WITH A PILOT HOLE. PILOT HOLE TD IS AT (8,751 FT MD/ 7,539 FT TVD) AND L-1 TD IS AT (15,666 FT MD/ 6,954 FT TVD). THE WELL WILL BE COMPLETED WITH SLB 7" PACKER, 4-1/2" TUBING, WLSSV, 2 MAGNUM CERAMIC DISCS AND 2 PDHMS GAUGES. WELL WILL BE DRILLED USING SULAIY OPEN METHOD.

=====NEXT WELL=====

NEXT WELL: QTIF -501 PAD W-5

=====SIMOPS=====

- NO SIMOPS AT PAD-N8-B.
- 52 EA CEMENT BLOCKS ON LOCATION. TRANSFER 42 EA CMT BLOCK TO SP146, AND TRANSFER 68 EA CEMENT BLOCK TO SSA-102.

=====SAFETY=====

- CONDUCT DAILY SAFETY & PRE TOUR MEETING WITH RIG CREW.
- DAILY DISCUSS : OPERATIONAL PARAMETERS TO FOLLOW & SAFE WORK PROCEDURES FOR TASKS AT HAND.
- SAFETY CAMPAIGN: STOP WORK AUTHORITY & NOISE HAZARDS &FOCUSING ON FINGER INJURY PREVENTION CAMPAIGN.
- NEAR MISS ID: NONE.
- HSE ALERTS: ADM 683 - IRON ROUGHNECK
- SAFETY DRILLS: 1 X FIRE DRILL, 1 X FIRE PUMP DRILL, 1 X ACCUMULATOR DRILL.
- STOP CARDS: 15.

=====ARAMCO PERSONNEL ON LOCATION =====

- HUSSAIN ALBOGHAIL #786255 PDP ON LOCATION SINCE 02/13/2023.
- ABDULMOHSEN ALOTAIBI MATERIAL EXPEDITOR #8494366 ON LOCATION SINCE 02/20/2023.
- MOHAMMED AL-HAJRI #796653 FCT ON LOCATION SINCE 02/25/2023.

=====RENTAL EQUIPMENT & SERVICE COMPANIES=====

- 1X EMEC MUD ENG ON LOCATION.
- 2XTAMIMI VACUUM TANKER (PLATE NUMBER: 4809 KRA / 2328 KDA ,DOOR PLATE NUM: 54/6409KDA ), ON LOCATION SINCE 2-NOV-2022.
- TAMIMI 1/2 BACK HOE ON LOCATION .

===== DIRECTIONAL =====

- FOLLOWING DIRECTIONAL L-1 PLAN #9 FINAL, 02/12/2023.
- LAST SURVEY FROM DIRECTIONAL PLAN: 2.5' ABOVE & 0.5' RIGHT.

=====RIG VISIT=====

- ZAUR RAHIMLI ID# 8089274, DOECD HSE COMPLIANCE, VISITED THE RIG ON 02/26/2023 FOR PMS VERIFICATION

=====ERP EQUIPMENT=====

- EMERGENCY BUS OF 66 PERSON IS READY FOR EVACUATION.
- ERP CONTACT NUMBERS VERIFICATION DONE ON 12/11/2022.
- MUD LOGGING UNIT WITH EARLY DETECTION SYSTEM (CORIOLIS). ON LOCATION 1/1/2022
- PERFORM DAILY ECC RADIO CHECK W/DH-ECC.
- INDEPENDENT KILL PUMP ON LOCATION 1/9/2023.
- RAWABI STANDALONE H2S/LEL MONITORING SYSTEM ON LOCATION 05/01/2023
- FIREFLY IGNITION SYSTEM ON LOCATION 05/01/2023
- 900 BBLS KILL MUD 107 PCF

===== DIRECTIONAL PLAN =====

FOLLOW PLAN L-1 #P9

Remarks

Lateral	Survey MD		Angle		Azimuth		CLength		TVD		N/S(-)Coordinate				E/W(-)Coordinate			Vertical Sec		DLS															
MUD DATA	Weight <b>84</b> PCF	Funnel Vis. <b>32</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts		3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9.5</b>	CA PPM <b>0</b>	CL PPM <b>295000</b>																						
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>84</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>16</b>	Sand Vol. % <b>0</b>		% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>WBM-CAC</b>	Water Well # <b>QTIF-928</b>																							
	Weight <b>84</b> PCF	Funnel Vis. <b>32</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts		3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9.5</b>	CA PPM <b>0</b>	CL PPM <b>295000</b>																						
	FL Temp <b>0</b>	Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>84</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>16</b>	Sand Vol. % <b>0</b>		% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>WBM-CAC</b>	Water Well # <b>QTIF-928</b>																							
MUD TREATMENT	<b>CAACL-98 RD</b>		<b>CAOH2</b>	<b>BCTR</b>	<b>CAACL-80</b>	<b>O-3670R</b>	<b>OXYGON</b>																												
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out																								
	<b>11RR</b>	<b>M332</b>	<b>6.125</b>	<b>REED</b>	<b>S278613</b>	<b>TK63M1A / 3 X 14 / 0.451</b>	<b>13261</b>	<b>16450</b>																											
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP																			
DRILL STRING			<b>150</b>	<b>1</b>	<b>1</b>	<b>NO</b>	<b>A</b>	<b>X</b>	<b>0</b>	<b>3550</b>	<b>270</b>	<b>192</b>	<b>307.58</b>			<b>57</b>																			
	Float	<b>Y</b>																																	
	BHA Hrs:	<b>24</b>																																	
Miscellaneous	String Wt.	Pick Up	Slack Off					Rot. Torque				Jars: Serial #/Hrs		/	Shock: Sub:		/	Mud	/																
	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #																					
	BOP Test <b>02/26/2023</b>		BOP Drills <b>02/26/2023</b>				Wind		Sea	Weather		DSLTA <b>6666</b>		Safety Meeting <b>2</b>																					
Personnel and Services Information	Real-Time Data Quality			Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs			<b>11.49/24 hrs</b>																				
	COMPANY		<b>RIG</b>	<b>SCP</b>	<b>RIG</b>	<b>OES</b>	<b>RUE</b>	<b>GEI</b>	<b>XLG</b>	<b>RIG</b>	<b>ARM</b>	<b>NCS</b>	<b>OTH</b>	<b>ARM</b>	<b>SAM</b>	<b>GOC</b>			Total <b>97</b>																
	CATEGORY		<b>CTR</b>	<b>PSSC</b>	<b>RIG</b>	<b>DFMS</b>	<b>H2S</b>	<b>ISPCT</b>	<b>MLS</b>	<b>OTHR</b>	<b>OTHR</b>	<b>PCS</b>	<b>VAC</b>	<b>WSC</b>	<b>WBCS</b>	<b>CSR</b>																			
	NO. OF PERSONS		<b>15</b>	<b>1</b>	<b>39</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>22</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>2</b>																			
	OPERATING HRS.		<b>0</b>	<b>8</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>15</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>24</b>	<b>10</b>	<b>24</b>	<b>12</b>	<b>6</b>																			
	ON LOCATION HRS.		<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>12</b>	<b>24</b>																			
Trucks/Boats	Standby/Tankers																																		
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>560</b>		Barite- SX		Bentonite - SX		Cement G- SX										Reporter																
REPAIR ASAP	Instrumentation		Other																																
Computer, Communication & V-Sat Issues																																			

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Date <b>MONDAY 02/27/2023</b>	Well No (Type): <b>JLMN-49 (TEST SARAH HYDROCARBON GAS EXISTENCE THAT EXTENDED FROM JLMN- 34 SPOT.)</b> Charge #: <b>(87- 22714- 1295)</b> Wellbores: (0) JLMN_49_0	Rig <b>T901</b>	Foreman(s) <b>DELLALOU, AHMED/ ALYAHYA, MOHAMMED YAHYA/ ALI, MOHAMMAD BAQER/ ALMASMOOM, SALAHALDEEN SALEH/</b> Superintendent <b>DKANE, AWAD ALI</b>
		THURAYA <b>008821677712891</b>	RIG FORMAN VSAT <b>572-5913</b>
			CONTRACTOR/CLERK VSAT <b>572-3066</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>11715</b>	<b>RIH W/ 8-3/8" WIPER TRIP ASSY, CHC, SPOT HI-VIS PILL, POH &amp; L/D WIPER TRIP BHA, CHANGE OUT &amp; P/T RAMS.</b>	<b>P/T RAMS, RUN 4.5" MONOBORE COMPLETION, DRIFT &amp; TEST, RUN 4.5" MONOBORE COMPLETION.</b>	<b>1220 KMS FROM DMG, 139 KMS FROM ARAR ON TURAIF HIGHWAY, TAKE RIGHT 35 KM SKID ROAD.</b>	<b>31.0 (01/27/2023@0500)</b>	<b>QUSB 6866 QBHS 10679 SARH 10738 QASM 10958</b> <b>203' DEEPER 20' DEEPER 6' DEEPER 66' DEEPER</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>11715</b>					<b>9 5/8</b>	<b>7429</b>	<b>7346</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
00.5	0500 - 0530	0	8 3/8	N	CT	RW	BIT	RIG	11715	11715	11572	11715	PRECAUTIONARY REAM & WASH DOWN LAST 2 STANDS.			
02.5	0530 - 0800	0	8 3/8	N	CT	CIRC	MPMP	RIG	11715	11715			SWEEP HOLE WITH HI-VIS PILLS IN TANDEM AND CIRCULATED HOLE CLEAN. BTU GAS: 11.2%.			
01.5	0800 - 0930	0	8 3/8	N	CT	CIRC	MPMP	RIG	11715	11715			EXTENDED FLOW CHECK - WELL STATIC. SPOTTED 300 BBLS HI-VIS PILL ACROSS OPEN HOLE.			
00.8	0930 - 1015	0	8 3/8	N	CT	TO	BHA	RIG	11715	11715	11715	11258	POH 5 STANDS.			
00.5	1015 - 1045	0	8 3/8	N	CT	CIRC	MPMP	RIG	11715	11715			EXTENDED FLOW CHECK - WELL STATIC.			
03.5	1045 - 1415	0	8 3/8	N	CT	TO	BHA	RIG	11715	11715	11258	7429	POH W/ 8-3/8" WIPER TRIP ASSY IN OPEN HOLE TO 9-5/8" SHOE. HOLE IN GOOD CONDITION.			
00.5	1415 - 1445	0	8 3/8	N	CT	CIRC	MPMP	RIG	11715	11715			FLOW CHECKED - WELL STATIC. SLUGGED PIPE.			
01.8	1445 - 1630	0	8 3/8	N	CT	TO	STDP	RIG	11715	11715	7429	3720	POH W/ 8-3/8" WIPER TRIP ASSY INSIDE 9-5/8" CSG TO 3720'.			
00.2	1630 - 1645	0	8 3/8	N	CT	CIRC	MPMP	RIG	11715	11715			FLOW CHECKED - WELL STATIC.			
01.0	1645 - 1745	0	8 3/8	N	CT	TO	STDP	RIG	11715	11715	3720	1677	POH W/ 8-3/8" WIPER TRIP ASSY INSIDE 9-5/8" CSG TO 5 STDS ABOVE BHA.			
00.5	1745 - 1815	0	8 3/8	N	CT	CIRC	MPMP	RIG	11715	11715			EXTENDED FLOW CHECK - WELL STATIC.			
04.0	1815 - 2215	0	8 3/8	N	CT	HT	BHA	RIG	11715	11715			POH W/ 8-3/8" WIPER TRIP BHA TO SURFACE. > L/D 2 X 6-1/2" DC, 6-1/2" NAPESCO D/JAR, SAMAA PBL SUB, REAMER, & BIT.			
01.0	2215 - 2315	0	8 3/8	N	WH	RTRV	WBSH	RIG	11715	11715			RETRIEVED 11" VG WEAR BUSHING AS PER VG ENG.			
01.0	2315 - 0015	0	8 3/8	N	WH	OTH	NA	IWS	11715	11715			R/U JETTING TOOL AND JET BOP & WELLHEAD AREA.			
02.5	0015 - 0245	0	8 3/8	N	BOP	OTH	RAMS	RIG	11715	11715			RIH 5 STDS 5" DP FROM DERRICK. INSTALLED FOSV, CLOSED 5" LOWER MASTER RAMS. CHANGED OUT TOP MASTER BLIND RAMS AND UPPER PIPE RAMS TO 4.5" PIPE RAMS.			
01.0	0245 - 0345	0	8 3/8	N	BOP	OTH	RAMS	RIG	11715	11715			SWAP OVER TEST ASSY F/ 5" TO 4-1/2" TUBING. FLUSHED BOP STACK. (PERFORMED DUMMY RUN WITH TEST PLUG LANDED AT 36.1' FT).			
01.2	0345 - 0500	0	8 3/8	N	BOP	BOPT	RAMS	RIG	11715	11715			P/T ANNULAR TO 300/7000 PSI AND RAMS TO 300/8500 FOR 10 MINS EA TEST. ON GOING AT REPORT TIME.			

JLMN-49 IS PLANNED TO BE DRILLED DIRECTIONALLY (DEVIATED S-SHAPE WELL TYPE) TO +/- 11,570 FT MD / 11,135 FT TVD (OR 250 FT INTO QUWARAH MEMBER).

PRIOR TO EXITING BLACKTOP ONTO SKID ROAD ALL MUST CALL ARAMCO CLERK @ 013-572-3066.

PROVIDE NAME OF COMPANY, NUMBER OF PERSONNEL, COLOR OF VEHICLE, & EMERGENCY CONTACT.

NIGHT DRIVING IS NOT RECOMMENDED & SPECIAL PRECAUTIONS MUST BE FOLLOWED.

> ARAMCO FOREMAN HAMZA AMGHAR #8576602 ON LOCATION 2/19/2023.

> ARAMCO RIG CLERK ARTHUR MARASIGAN JR. #8531364 ON LOCATION 02/05/2023.

> DRILLS: 1 X TRIP DRILL.

> NEXT CASING POINT: 4-1/2" AT 11,696' (MD) / 11,207' (TVD).

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight <b>80</b>	Funnel Vis. <b>67</b>	Filtrate(VL) <b>3</b>	Filtrate (WL) API	PV <b>24</b>	YP <b>27</b>	Electrical Stability <b>870</b> Volts	3/6 RPM <b>10 / 11</b>	Gels Sec/Min <b>11 / 17</b>	PH	CA PPM <b>276000</b>
	FL Temp <b>90</b>	Cake HTHP <b>2</b>	Cake API <b>0</b>	Water Vol. % <b>16.7</b>	Oil Vol. % <b>67</b>	Solids Vol. % <b>16.3</b>	Sand Vol. % <b>0</b>	% LGS <b>7.88</b>	MBT <b>0</b>	Mud type <b>INVER</b>	Water Well # <b>JLMN-820</b>
	Weight <b>80</b>	Funnel Vis. <b>64</b>	Filtrate(VL) <b>2.8</b>	Filtrate (WL) API	PV <b>23</b>	YP <b>27</b>	Electrical Stability <b>880</b> Volts	3/6 RPM <b>10 / 11</b>	Gels Sec/Min <b>11 / 17</b>	PH	CA PPM <b>271422</b>
	FL Temp <b>90</b>	Cake HTHP <b>2</b>	Cake API <b>0</b>	Water Vol. % <b>16.7</b>	Oil Vol. % <b>67</b>	Solids Vol. % <b>16.3</b>	Sand Vol. % <b>0</b>	% LGS <b>7.91</b>	MBT <b>0</b>	Mud type <b>INVER</b>	Water Well # <b>JLMN-820</b>

MUD TREATMENT	VG6 3(55LB)																					
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets	TFA	MD In	MD Out	TVD Out											
	8RR	M422	8.375	SMT	SM2163	ZR616C / 4 X 14 / 4 X 13 / 1.12	11715	11715														
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av	Bit HHP						
					3	2	BT	A	X	0		400	115	217.19	315.46	29						
DRILL STRING	Float	Y																				
	BHA Hrs:	0.8																				
	String Wt.	Pick Up	Slack Off			Rot. Torque		Jars:		/	148.5		Shock		/	Mud		/	Motor:		/	
	270	305	260					Serial #/Hrs		/			Sub:		/							
	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #								
Miscellaneous	BOP Test		BOP Drills		Wind		Sea	Weather			DSLTA		Safety Meeting									
	02/14/2023				NORMAL		N/A	SEASONAL		3637												
	Real-Time Data Quality			Sensors Quality			100%	Data Frequency			100%	Real-Time Hrs			10.99/24 hrs							
Personnel and Services Information	COMPANY	INW	SPR	OTH	RIG	EMC	SMI	HMS	RIG	ARM	SCM	GD1	MI2	OTH	ARM	SAM	GEP				Total 113	
	CATEGORY	BRCR	CSR	CTRG	RIG	DFMS	DFMS	MLS	OTHR	OTHR	PCS	SLS	SCS	VAC	WSC	WBCS	WHES					
	NO. OF PERSONS	1	9	14	36	2	11	4	16	2	6	4	1	3	2	1	1					
	OPERATING HRS.	0	0	0	24	24	9	24	12	12	0	0	0	10	24	16	2					
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24					
Trucks/Boats	Standby/Tankers																					
	AB-4079																					
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS		Fuel- BBLS	358	Barite- SX	Bentonite - SX	Cement G- SX	3600													
REPAIR ASAP	Instrumentation	Other																			Reporter	
	Computer, Communication & V-Sat Issues																					

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>MHWZ-905 (MHWZ-905 WILL BE DRILLED AS PILOT HORIZONTAL WATER DISPOSAL WELL IN MHWZ )</b> Charge #: <b>(87- 22644- 4209)</b> Wellbores: (0) MHWZ_905_0	Rig <b>T902</b>	Foreman(s) <b>D'Aoust, Scott Reece/ Alqatari, Hussam Sadiq/ Kubaisy, Ibrahim Ali/ Bin Lebda, Salman Faizal</b>
		THURAYA <b>+88216-777-12892</b>	RIG FORMAN VSAT <b>577-6995</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>10900</b>	<b>DRILL 6-1/8" LATERAL HOLE SECTION.</b>	<b>DRILL 6-1/8" LATERAL HOLE SECTION</b>	<b>MHWZ-905</b>	<b>27.4 (01/30/2023@1900)</b>	<b>ARBD 6078 44 FT SHALLOWER ABDR 6158 33 FT SHALLOWER</b>
Prev. Depth <b>9480</b>	Liner Size <b>7</b>	TOL <b>1311</b>	MD <b>6770</b>	TVD <b>6209</b>	Last Csg Size MD TVD Footage <b>9 5/8 53035303 1420</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
15.2	0500 - 2015 0	6 1/8	N	DRLG	D	RSS	BHI		9480	10447			BAKER RSS DRILLED 6-1/8" LATERAL HOLE SECTION WITH 72 PCF WBM. FULL RETURNS. PUMP SWEEPS AS NEEDED  ROTATION - 120-140 RPM TORQUE - 3.5-8.5 LFT-LBS PRESSURE - 2,000-2,800 PSIF PUMP RATE - 220-250GPM WOB 10-15 KLBS
00.5	2015 - 2045 0	6 1/8	N	DRLG	RR	TDS	RIG		10447	10447			SERVICED TDS  TAKE SCR'S
08.2	2045 - 0500 0	6 1/8	N	DRLG	D	RSS	BHI		10447	10900			BAKER RSS DRILLED 6-1/8" LATERAL HOLE SECTION WITH 72 PCF WBM. FULL RETURNS. PUMP SWEEPS AS NEEDED  ROTATION - 140-150 RPM TORQUE - 3.5-9.5 LFT-LBS PRESSURE - 2,150 PSI PUMP RATE - 220 GPM WOB 10-12 KLBS  - PROJECTION TO BIT AT 10,900 FT: 6,242 FT TVD, 89.2 INCLINATION, 149.7 AZIMUTH, 11.2 FT ABOVE AND 2.03 FT RIGHT OF DIRECTIONAL PLAN G.0

**\*\*WELL OBJECTIVE\*\***

MHWZ-905 WILL BE DRILLED BY T902 AS PILOT HORIZONTAL WATER DISPOSAL WELL IN MHWZ AREA WHERE WATER FROM A PROPOSED U.R

GAS SEPARATION PLANT WILL BE INJECTED INTO THE ARAB D RESERVOIR. THE EFFECTIVE LATERAL WILL BE 6,000 FT. IT WILL BE LANDED 19 FT TVD INTO ABDR

=====

**\*\*JOURNEY MANAGEMENT\*\***

FROM HARADH DRIVE 20KM TOWARDS ALKARJ. AFTER THE SASCO THE FIRST BRIDGE TURN RIGHT AND FOLLOW RIG SIGNS.  
CALL T-902 RIG OFFICE AT 013-511-5161 OR ARAMCO CLERK AT 013-577-6589 PRIOR TO TURNING SKID ROAD. PROVIDE TO ARAMCO OFFICE-

NAME OF CO, NUMBER OF PERSONNEL, COLOR OF VEHICLE EMERGENCY CONTACT OF BASE PERSONNEL. NIGHT DRIVING IS NOT RECOMMENDED

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**\*\*RENTAL TOOLS\*\***

NESR 4-3/4" HYDRO MECHANIC DRILLING JAR WITH XT-39 CONNECTION (SN: HJDA-475-0021) ON LOCATION SINCE 2/18/2023

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**\*\*ARAMCO PERSONNEL\*\***

- ARAMCO CLERK HUSSNAIN ARSHAD BADGE #8068403 ON LOCATION SINCE 1/29/2023

=====

**\*\*SAFETY\*\***

DRILLS - N/A

SWA - 2

NEAR MISS - N/A

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**\*\*LITHOLOGY\*\***

FROM 9,320 FT TO 10,740 FT: 20-90% LIMESTONE, 10-80% DOLOMitic LIMESTONE

MAX GAS: 152,186 UNITS AT 10,121 FT

MIN GAS: 30,595 UNITS AT 10,023 FT

**\*\*WELL TD\*\***

- +/- 12,773 FT (MD) - 6,258 FT (TVD) DIPPING AT 89 DEGREES HOLDING 150 AZIMUTH

**\*\*WELL SITE CONTRACTOR EQUIPMENT'S ON LOCATION\*\***

- SALOMI SPRAY TANKER# ARA-2888 ON LOCATION SINCE 8/1/2022
- SALOMI VACUUM TANKERS ON LOCATION BRA-6304, ZDA-9919, UDA-4351 ON LOCATION
- TAMIMI VACUUM TANKERS ON LOCATION BRA-3995, BRA-3844, BRA-3833, BRA-4373 ON LOCATION

**\*\*NEXT LOCATION\*\***

- KHRM-399726 IS READY BUT STILL NEEDS SOME SKID ROAD AND LOCATION MAINTENANCE - ON GOING
- START PREMOVE IN +/- 2-4 DAYS WITH KCA DEUTAG
- WATER WELL ASSOCIATED WITH KHRM-399726 IS KHRM-807 READY
- RIG RELEASE APPROXIMATELY MARCH 8-10TH

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS
0	10791	89.12	149.69	94	6240.23	-4308.40	2493.75	-4308.4	0.25
0	10697	89.27	149.51	94	6238.91	-4227.34	2446.19	-4227.34	0.1
0	10603	89.27	149.42	94	6237.71	-4146.38	2398.44	-4146.38	0.08
0	10509	89.21	149.47	95	6236.47	-4065.44	2350.65	-4065.44	0.41
0	10414	89.18	149.86	94	6235.13	-3983.45	2302.68	-3983.45	0.12
0	10320	89.21	149.75	94	6233.81	-3902.21	2255.41	-3902.21	1.07
0	10226	89.24	150.76	94	6232.54	-3820.61	2208.77	-3820.61	0.21
0	10132	89.24	150.56	95	6231.29	-3738.67	2162.72	-3738.67	0.07
0	10037	89.18	150.54	94	6229.98	-3655.96	2116.01	-3655.96	0.51
0	9943	89.18	151.02	95	6228.64	-3573.93	2070.13	-3573.93	0.56
0	9848	89.24	150.49	94	6227.33	-3491.04	2023.73	-3491.04	0.18
0	9754	89.18	150.65	94	6226.03	-3409.18	1977.54	-3409.18	0.14
0	9660	89.27	150.56	94	6224.76	-3327.29	1931.41	-3327.29	0.1
0	9566	89.21	150.63	94	6223.51	-3245.41	1885.26	-3245.41	0.46
0	9472	89.21	151.06	94	6222.22	-3163.33	1839.47	-3163.33	0.1
0	9378	89.30	151.03	94	6220.99	-3081.08	1793.97	-3081.08	1.49

MUD DATA	Weight 72 PCF	Funnel Vis. 57 SEC	Filtrate(WL) 8.6 HTHP	Filtrate (WL) API	PV 19	YP 22	Electrical Stability 0 Volts	3/6 RPM 9 / 10	Gels Sec/Min 9 / 11	PH 10	CA PPM 280	CL PPM 81000
	FL Temp 0	Cake HTHP 2	Cake API 1	Water Vol.% 89.5	Oil Vol.% 0	Solids Vol.% 10.5	Sand Vol. % 0	% LGS 5.9	MBT 0	Mud type NCPOL	Water Well # MHWZ-822, MHWZ-823	
	Weight 72 PCF	Funnel Vis. 55 SEC	Filtrate(WL) 9 HTHP	Filtrate (WL) API	PV 21	YP 20	Electrical Stability 0 Volts	3/6 RPM 9 / 10	Gels Sec/Min 9 / 10	PH 10.4	CA PPM 240	CL PPM 82000
	FL Temp 0	Cake HTHP 2	Cake API 1	Water Vol.% 89.5	Oil Vol.% 0	Solids Vol.% 10.5	Sand Vol. % 0	% LGS 5.9	MBT 0	Mud type NCPOL	Water Well # MHWZ-822, MHWZ-823	
	Weight 72 PCF	Funnel Vis. 58 SEC	Filtrate(WL) 8.4 HTHP	Filtrate (WL) API	PV 20	YP 23	Electrical Stability 0 Volts	3/6 RPM 9 / 10	Gels Sec/Min 9 / 11	PH 10.2	CA PPM 240	CL PPM 83000
	FL Temp 130	Cake HTHP 2	Cake API 1	Water Vol.% 89.5	Oil Vol.% 0	Solids Vol.% 10.5	Sand Vol. % 0	% LGS 5.8	MBT 0	Mud type NCPOL	Water Well # MHWZ-822, MHWZ-823	
	Weight 72 PCF	Funnel Vis. 0 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 0	YP 0	Electrical Stability 0 Volts	3/6 RPM 0 / 0	Gels Sec/Min 0 / 0	PH 0	CA PPM 0	CL PPM 0
	FL Temp 0	Cake HTHP 0	Cake API 0	Water Vol.% 90	Oil Vol.% 0	Solids Vol.% 10	Sand Vol. % 0	% LGS 0	MBT 0	Mud type NCPOL	Water Well # MHWZ-822, MHWZ-823	
MUD TREATMENT	BCTR N 3(5GLD)	CACO3-25 50(55LB)	CACO3-50 50(55LB)	CAUST 6(25KG)	FLO-TROL 120(50LB)	MRBL-M 3(2200L)	ECCO-TEMP 4(50KG)	SOURSCAV 8(50LB)	DUOVIS-NS 6(25KG)			

BIT DATA	Bit Number 10	IADC M332	Size 6.125	Manufacturer REED	Serial Number S296801	Type TK63M1A / 3 X 13 /	Jets 0.389	TFA 6783	MD In 10900	MD Out	TVD Out
	Feet 10	Hours 140	WOB 0	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure
											GPM 2150 220 182 250.62 36
											Jet Vel DP Av DC Av Bit HHP

Float	
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DRILL STRING	Y																		
	BHA Hrs:	60.3																	
	String Wt.	Pick Up	Slack Off		Rot. Torque			Jars:			/ 60.8		Shock Sub:		/	Mud Motor:			
	120	125	110		6500			Serial #/Hrs			/		/		/				
	Order	Component				Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #		
	1	Bit				REED	6.125	0	6.125	1.25	0.53						S296801		
	2	RSS				BHI	5.024	1	5.024	1.024	9.62						BAKER		
	3	Sub				TK2	5	1	5	0.984	10.27						BAKER		
	4	Measurement While Drilling (MWD)				BHI	4.75	1	4.75	1.5	19.9						BAKER		
	5	Stabilizer				BHI	5	1	5	1.496	3.3						BAKER		
	6	BCPM. Bi-directional Communication and Power Module				BHI	4.75	1	4.75	1	17.12						BAKER		
	7	Component Not listed				TK2	4.75	1	4.75	1.875	14.27						BAKER		
	8	Non Magnetic Drill Collar ( NMDC )				BHI	4.75	1	4.75	2.688	2.5						BAKER		
	9	Modular Stabilizer				BHI	4.8	1	5.25	2.69	5.26						BAKER		
	10	Float Sub				BHI	4.75	1	4.75	2.75	3.01						BAKER		
	11	Filter Sub				BHI	4.75	1	4.75	3	8.02						BAKER		
	12	Crossover				RIG	4.75	1	4.75	2	1.39						RIG		
	13	Heavy Weight Drillpipe (HWDP)				RIG	4	2	4	2.563	61.15						RIG		
	14	Hydraulic Jar				NOJ	4.75	1	4.75	2.25	29.92						OA-475-0021		
	15	Heavy Weight Drillpipe (HWDP)				RIG	4	3	4	2.563	91.97						RIG		
	16	Drillpipe				RIG	4	0	4	3.34	6496						RIG		
	BOP Test 02/22/2023			BOP Drills			Wind NORMAL		Sea NORMAL		Weather NORMAL		DSLTA 4699		Safety Meeting 2 X DAILY				
	Real-Time Data Quality				Sensors Quality				100%	Data Frequency				100%	Real-Time Hrs		10.99/24 hrs		
Personnel and Services Information	COMPANY		OTH	BHI	RIG	BAR	SGR	RIG	ARM	OTH	ARM	BDF					Total 94		
	CATEGORY		CTR G	DPDS	RIG	DFMS	MLS	OTHR	OTHR	VAC	WSC	DFMS							
	NO. OF PERSONS		16	3	41	12	4	13	1	1	2	1							
	OPERATING HRS.		0	24	24	24	24	12	12	10	24	0							
	ON LOCATION HRS.		24	24	24	24	24	24	24	24	24	24							
Trucks/Boats	Standby/Tankers <b>AB-4091</b>																		
BULK	Drill Wtr.-BBLS <b>220</b>		Pot Wtr.- BBLS <b>726</b>		Fuel- BBLS		Barite- SX		Bentonite - SX		Cement G- SX <b>0</b>								
REPAIR ASAP	Instrumentation		Other Computer, Communication & V-Sat Issues														Reporter		

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Date <b>MONDAY</b> 02/27/2023	Well No (Type) : <b>SRYN-700</b> <b>(SIDETRACK &amp; DRILL</b> <b>SINGLE LATERAL</b> <b>ACROSS UNZA)</b> Charge (71- 22559-#: 0700) Wellbores: (0-1) SRYN_700_1	Rig <b>T907</b>	Foreman(s) <b>BOWES, JEFFREY LYNN/</b> Engineer <b>ALGHAMDI, BASIL ALI/</b> Superintendent <b>LAHLAH, AZZEDINE</b>
THURAYA	RIG FORMAN VSAT <b>00821677711442</b>	CONTRACTOR/CLERK VSAT <b>013-574-6991</b>	CONTRACTOR/CLERK VSAT <b>013-574-6967</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>14608</b>	<b>CONT TO DISPLACE, SPOT MUD WASH, POOH W/ RUNNING TOOLS WHILE L/D EXCESS DP, L/D 2-3/8" INNER STRING</b>	<b>CONT TO L/D 23/8" INNER STRING, RIH W/ SCRAPER BHA, CHC, POOH WHILE L/D ALL DP</b>	<b>509 KM FROM DHAHRAN MAIN GATE</b>	<b>37.3</b> (01/20/2023@2000)	<b>KHFF 9115 0.5' SHALLOWER</b> <b>KFBR 9329 8.3' SHALLOWER</b> <b>BKBR 9481 8.5 SHALLOWER</b> <b>KFCR 9762 5.9' SHALLOWER</b> <b>BKCR 9995 5.4' SHALLOWER</b> <b>KFDA 10118 4.9 SHALLOWER</b> <b>BKDC 10351 7.9' SHALLOWER</b> <b>UNYZ 10436 37' SHALLOWER</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
<b>14608</b>	<b>7</b>	<b>9006</b>	<b>11109</b>	<b>10452</b>	<b>9 5/8</b>	<b>10350</b>	<b>10350</b>	<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
07.5	0500 - 1230	0-1		C	COMP	CIRC	MPMP	RIG	14608	14608			CONT TO DISPLACE 70 PCF OBM W/ 70 PCF BRINE PERFORM DISPLACE & MUD WASH JOB AS FOLLOWS: PUMP 10 BBLS NEAT DIESEL. PUMP 35 BBLS OF 70 PCF VISCOSUS PUSH SPACER. PUMP 35 BBLS OF 70 PCF NON-VISCOSUS CLEANING SPACER. PUMP 70 PCF BRINE UNTIL CLEAN BRINE ON SURFACE. CONT TO PUMP UNTIL CLEAN BRINE AT SURFACE. BACKGROUND GAS DROPPED TO 2% WHEN WELL CLEAR OF 70 PCF OBM PUMP100 BBLS OF 70 PCF SAMMA MUD WASH DISPLACE W/ 147 BBLS OF 70 PCF BRINE TO SPOT 65 BBLS OF MUD WASH IN ANNULUS AROUND SCREENS. PICK-UP TO STING OUT OF WFD PACK-OFF. SPOT 40 BBLS MUD WASH IN SCREENS LEAVING 5 BBLS IN INNER STRING TO COMPENSATE FOR METAL DISPLACEMENT. INITIAL LOSS RATE @ 50 BPH. KEEP HOLE FULL W/ TRIP TANK.
													*FINAL SET DEPTHS FOR LOWER COMPLETION EQUIPMENT. *4-1/2" DEEP CASING TOOL TURBORUNNER @ 14,553'. *4-1/2" DOUBLE VALVE FLOAT COLLAR @ 14,537' *WFD CSI MECHANICAL PACKER #1 @ 13,624'. *WFD CSI MECHANICAL PACKER #2 @ 11,614'. *WFD CSI MECHANICAL PACKER #3 @ 11,061'. (48' ABOVE 7" LINER SHOE) *SLB 5.25" ID TIE BACK RECEPTACLE @ 11,001' (108' ABOVE 7" LINER SHOE) (TOP OF LOWER COMPLETION)
01.0	1230 - 1330	0-1		C	COMP	TO	STDP	RIG	14608	14608	14553	13624	POOH ON ELEVATORS W/ 5" DP TO LOCATE LOWER WFD ICD PACKER AT 13,624' KEEP HOLE FULL ON BACK SIDE WITH TRIP TANK.
00.2	1330 - 1345	0-1		C	COMP	HT	PKR	WCS	14608	14608			LOCATE LOWER WFD PACKER #1 AT 13,624' AND ENGAGE SAME W/ OVERPULL
01.2	1345 - 1500	0-1		C	COMP	TO	STDP	RIG	14608	14608	13624	11614	POOH ON ELEVATORS W/ 5" DP TO LOCATE #2 WFD ICD PACKER AT 11,614' KEEP HOLE FULL ON BACK SIDE WITH TRIP TANK, 40 BPH LOSSES
00.2	1500 - 1515	0-1		C	COMP	HT	PKR	WCS	14608	14608			LOCATE WFD PACKER #2 AT 11,614' AND ENGAGE SAME W/ OVERPULL
00.8	1515 - 1600	0-1		C	COMP	CIRC	MPMP	RIG	14608	14608			CIRC ONE STRING VOLUME AT TOP OF SCREENS. FLOW CHECK TO OBTAIN STATIC LOSS RATE, STATIC LOSSES @ 35 BPH KEEP HOLE FULL ON BACK SIDE WITH TRIP TANK
01.0	1600 - 1700	0-1		C	COMP	TO	STDP	RIG	14608	14608	11614	11061	POOH ON ELEVATORS W/ 5" DP TO LOCATE #3 WFD ICD PACKER AT 11,061' KEEP HOLE FULL ON BACK SIDE WITH TRIP TANK, 35 BPH LOSSES
00.2	1700 - 1715	0-1		C	COMP	HT	PKR	WCS	14608	14608			LOCATE WFD PACKER #3 AT 11,061' AND ENGAGE SAME W/ OVERPULL
02.5	1715 - 1945	0-1		C	COMP	TO	STDP	RIG	14608	14608	11061	5874	CONT TO POOH ON ELEVATORS W/ 5" DP KEEP HOLE FULL ON BACK SIDE WITH TRIP TANK, 25 BHP LOSSES
00.5	1945 - 2015	0-1		C	COMP	HT	PEL	RIG	14608	14608			CHANGE OUT HANDLING EQUIPMENT FROM 5" TO 4"

02.5	2015 - 2245	0-1		C	COMP	LDP	STRG	RIG	14608	14608	5874	3560	CONT TO POOH W/ SLB/WFD RUNNING TOOLS AND INNER STRING WHILE L/D ALL 4" DP AND HWT IN HOLE MONITOR WELL ON TRIP TANK, 15 BPH LOSSES
01.0	2245 - 2345	0-1		C	COMP	HT	PEL	RIG	14608	14608			CHANGE OUT HANDLING EQUIPMENT FROM RIG TOOLS 4" TO NABORS TONGS & EQUIPMENT 2-3/8" MONITOR WELL ON TRIP TANK, 10 BPH LOSSES
01.0	2345 - 0045	0-1		C	COMP	HT	PBR	WCS	14608	14608			HPJSM, REVEIW JSA W/ CREW & WFD ENGINEER L/D WFD RUNNING TOOL, 100% RECOVERY.
04.2	0045 - 0500	0-1		C	COMP	HT	TBG	RIG	14608	14608			POOH & L/D ALL 2-3/8" TBG USED AS INNER STRING MONITOR WELL ON TRIP TANK, WELL STATIC TOTAL LOSSES INTO FORMATION 290 BBLS OF BRINE. ONGOING AT RPT TIME....

ODF: -5'

#### -----FLAT TIME KPI -----

RIG MOVE KPI: 7.29 DAYS, ACTUAL: 4.1 DAYS.  
DP TRIPPING KPI: 18 STD/HR / ACTUAL: 21 STD/HR

7" LINER KPI: 14 JT/HR/ACTUAL: 16 JTS/HRS

4-1/2 TBG KPI: 13 JT/HR / ACTUAL: 14 JT/HR

3-1/2" SMART UPPER COMPLETION KPI: 12 JT/HR / ACTUAL: XX JT/HR

TOL 7" @ 9006 FT, BTM OF 7" LNR @ 11,109 FT

#### -----CASING SETTING DEPTHS-----

8-1/2" SECTION 10,267' TVD/11,481'MD / ACTUAL: 10,452 FT TVD/11,112 FT MD.

6-1/8" SECTION: 10,499' TVD/14,607' MD /ACTUAL: TVD/MD

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#### ERP

-1/2 LFL @ 480 M, RER 100 PPM @ 0 M, RER 30 PPM @ 0 M.

-GOR UNAIZA A RESERVOIR = 1,100 SCF/STB & H2S : 0.0 %.

-STAGING AREA #1 (1 KM): N: 23.5543.93/E:47.3528.82, STAGING AREA #2 (1 KM): N: 23.5438.76/E: 47.3516.09

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#### HSE:

##### TOPICS DISCUSSED:

1. SAFETY MOMENT MADE BY DESIGNATED PERSONNEL FOR THE DAY.
  2. DISCUSSED HIGHLIGHTED SET OBSERVATIONS.
  3. DISCUSSED HSE FLASH @ WELL BH 0194 NK- FATALITY LEVEL III INCIDENT.
- SAFETY: PRE-TOUR SAFETY MEETINGS: (2), WEEKLY SAFETY MEETINGS: (0), PTW: (2), JSA: (2), NEAR MISS (0), INCIDENTS: (0), DRILLS (0)

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#### POB:

- ARAMCO CLERK, ABDUL SUBHAN, #8457964 ON LOCATION SINCE 8/30/2022.

- PDP, NAWAF ALGHANIM, #786220 ON LOCATION SINCE 02/26/2023.

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#### AUDIT

- 2ND QSI 05/26/2022-TOTAL 55 ITEMS: CLOSED (54), OPEN (1).

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#### - MUD/COMPLETION DIESEL IN BBLS:

- STOCK: 50/CONSUMED:61/RECIEVED:0

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#### NEXT WELLS

- ABMK-702: KOM 01/03/2023, STRIP OUT 100%, LOCATION 100%

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#### RENTAL TOOLS

- AB SPRINT FRAC TANKS IN LOCATION ON 11/5/2022.

- 4-3/4" GE-DJ-00040 ON LOCATION 2/18/2023 @22:00 AM

- 100 BBLS OF HALL 20% VDA ACID ON LOCATION SINCE 21/01/2023@ 20:00.

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#### WELLSITE EQUIPMENT:

- NONE.

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#### LAST PPT TEST: 2/22/2023

PPT SPURT: 60 MICRON: 1.4ML/20 MICRON: 1 ML

PPT TTL: 60 MICRON: 3.4 ML/20 MICRON: 2.8 ML

PRESSURE: 2,500/TEMP: 250 F

WATER PHASE SALINITY: 323,230 MG/L

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#### LAST PSD TEST:

- DATE: 02/21/2023 DEPTH: 14,000'.

- ACTIVE: D0.1:5.59 /D0.5:28.36/D0.9:77.99

- UNDER SHAKER: D0.1:5.19/D0.5:26.7/D0.9:71.94

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#### WELL CONTROL DATA:

-BALANCE MW: 63.2 PCF, CURRENT MW: 70 PCF (OVERBALANCE: 443 PSI) DEPTH: 10453' TVD DEPTH: 11112'MD.

-VOLUMES TAKEN AT 14604':

STRING VOLUME: 211.87 BBLS

ANNULUS VOLUME: 582.2 BBL

ANNULUS VOLUME WITH NO STRING= 888 BBL

-SLOW CIR RATES AT DEPTH OF: 14,334 FT.

SCR: #1 MP @ 20 SPM-620, @ 30 SPM-810, @ 40 SPM-1120.

SCR: #2 MP @ 20 SPM-600, @ 30 SPM-800, @ 40 SPM-1100.

**L-0-1 WINDOW INFORMATION:**

- T.O.W @ 9,139'B.O.W. @ 9,152'

**- 6-1/2" DIRECTIONAL INFO:**

- DISTANCE FROM PLAN: 25.6' ABOVE & 0.0' LEFT OF PLAN #1 DATED FEB 7, 2023.

**- ECC HAS NO RADIO COMMUNICATION ON SRYN-700, DAILY PHONE COMMUNICATION CHECK PERFORMED**

**ARAMCO VEHICLE SERVICE DETAILS**

- ARAMCO CAR WITH NUMBER DH-7499 SERVICED ON 12/18/2022, NEXT SERVICE DUE 2/18/2023.

Remarks

**WOE, MR. NADER HUSSAIN ALKHAYWANI, BADGE # 772731 VISITING THE RIG TO OVERSEE THE RUNNING OF LOWER COMPLETIONS.**

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate			E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight <b>70</b>	PCF	Funnel Vis. <b>45</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) HTHP	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts		3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9</b>	CA PPM <b>0</b>	CL PPM <b>100000</b>
	FL Temp <b>0</b>		Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>100</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>0</b>	Sand Vol. % <b>0</b>		% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>CACL</b>	Water Well # <b>SRYN-821</b>	
	Weight <b>70</b>	PCF	Funnel Vis. <b>45</b>	Filtrate(WL) <b>0</b>	Filtrate (WL) HTHP	PV <b>0</b>	YP <b>0</b>	Electrical Stability <b>0</b> Volts		3/6 RPM <b>0 / 0</b>	Gels Sec/Min <b>0 / 0</b>	PH <b>9</b>	CA PPM <b>0</b>	CL PPM <b>100000</b>
	FL Temp <b>0</b>		Cake HTHP <b>0</b>	Cake API <b>0</b>	Water Vol. % <b>100</b>	Oil Vol. % <b>0</b>	Solids Vol. % <b>0</b>	Sand Vol. % <b>0</b>		% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>CACL</b>	Water Well # <b>SRYN-821</b>	
MUD TREATMENT	<b>CACL2-80</b>	<b>HEC</b>	<b>CAOH2</b>	<b>S-BSOLV</b>										
BIT DATA														
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
Miscellaneous	BOP Test <b>02/11/2023</b>	BOP Drills <b>03/04/2023</b>		Wind <b>NORMAL</b>	Sea <b>N/A</b>	Weather <b>NORMAL</b>	DSLTA <b>5752</b>	Safety Meeting <b>TRIPPING &amp; L/D DRILL STRING</b>						
Personnel and Services Information	Real-Time Data Quality		Sensors Quality		96%	Data Frequency		99%	Real-Time Hrs		<b>10.99/24 hrs</b>			
Trucks/Boats	Standby/Tankers <b>DH-7499</b>													Total <b>85</b>
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>42</b>	Barite- SX	Bentonite - SX	Cement G- SX <b>1200</b>								
REPAIR ASAP	Instrumentation	Other												Reporter
Computer, Communication & V-Sat Issues														

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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date	Well No (Type) :	Rig	Foreman(s)	NIWA, DARREN MICHAEL/ ELGABER, MAHMOUD AHMED/ BAIKELOV, CHINGIZ/ ALDOSARI, ABDULRAHMAN MUTLAQ
MONDAY 02/27/2023	<b>UTMN-429 (SIDETRACK AND DRILL LAT ACROSS ARAB -D)</b> Charge (71- 23057- #: 0429) Wellbores: (0) UTMN_429_0	T914	Engineer Superintendent	THURAYA <b>008821677712134</b>
			RIG FORMAN VSAT	673-5692
			OTHER VSAT	673-8524 673-7419

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
6561	<b>RIG UP ON UTMN-429 LOCATION, RAISE DERRICK &amp; SUB BASE. CONT RIG UP OPERATIONS.</b>	<b>CONT RIG UP OPERATIONS.</b>	<b>155 KM FROM DMG, 3 KM NORTH OF UTMN GOSP-7</b>	<b>0.0 (@)</b>	
Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size MD TVD
7190	7	3800	6766	6766	9 5/8 4237 4237
Footage					Circ %
-629					

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
24.0	0500 - 0500	0	N	RM	RU	NA	RIG	0	0				<b>HELD PRE JOB-SAFETY MEETING WITH ALL PERSONNEL REVIEW SAFE WORKING PROCEDURES WHILE RIGGING UP AND SPOTTING LOADS. GOOD COMMUNICATION AND TEAM- WORK. REVIEW JSA FOR ALL LIFTS AND MONITOR WIND SPEEDS.</b>  <b>- RIG UP: 80 %</b>  <b>- RAISE DERRICK &amp; SUBSTRUCTURE.</b> <b>- INSTALL FLARE LINES-ONGOING.</b> <b>- ASSEMBLY BOP'S- ONGOING.</b> <b>- INSTALL TDS- ONGIONG.</b> <b>- GENERAL R/U OPERATIONS.</b>  <b>&gt;&gt; TIME SINCE RIG RELEASE = 7.5 DAYS.</b> <b>&gt;&gt; RIG MOVE DISTANCE: 84.50 KM (57.67 KM BLACK-TOP &amp; 26.83 KM SKID-ROAD)</b>

- ODF CORRECTION: N/A.

===== SAFETY =====

- H2S= 1.18%. RER VALUES: 1/2 LFL = 176 M, 100 PPM = 411 M, 30 PPM = 778 M.

- RIG MOVE SAFETY MEETING WITH ALL PERSONNEL.

- PRE TOUR-SAFETY MEETING RIG CREWS.

===== ARAMCO PERSONNEL =====

- ABDUL JABBAR RIG CLERK ID# 8285305 ON LOCATION SINCE 11/22/21.

===== WATER & VAC TANKERS=====

- AL-GHAZI- RW-515, RW-505.- AL-GHEENA- RW-325, RW-307

===== RENTAL TOOLS =====

===== DIESEL =====

- DIESEL CONSUMPTION FOR ENGINES (RIG + CAMP) = (DAILY: 13 BBL'S / CUMULATIVE FOR CURRENT WELL: 106 BBL'S).

===== UPDATED NEXT LOCATIONS READINESS =====

- UTMN- 619: STRIPPED-OUT 100% & LOCATION 50%. KOM ON 1/3/2023

===== VISITORS =====

- BRENT KCA DS ON LOCATION.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate	E/W(-)Coordinate	Vertical Sec	DLS					
<b>MUD DATA</b>														
<b>MUD TREATMENT</b>														
<b>BIT DATA</b>														
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
Miscellaneous	BOP Test	BOP Drills	Wind	SEASONAL	Sea	N/A	SEASONAL	DSLTA	5052	Safety Meeting	PRE TOUR SAFETY MEETING			
			Real-Time Data Quality								No Transmission			
Personnel and Services Information	COMPANY	OTH	RIG	SMI	MJH	ASH	RUE	RIG	ARM	ARM				
	CATEGORY	CTR G	RIG	DFMS	SEC	FLD	H2S	OTHR	OTHR	WSC				
	NO. OF PERSONS	16	62	1	6	4	1	28	2	2				
	OPERATING HRS.	0	24	12	24	12	24	24	12	24				

Total  
122

	ON LOCATION HRS.	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers <b>ARAMCO P/U DH-7561</b>	4 X RAW WATER TANKERS	CAMP DIESEL: 47 BBLS	GASOLINE: 79 BBLS						
BULK	Drill Wtr.-BBLS <b>120</b>	Pot Wtr.- BBLS <b>309</b>	Fuel- BBLS <b>20</b>	Barite- SX <b>15</b>	Bentonite - SX <b>450</b>	Cement G- SX <b>450</b>				
REPAIR ASAP	Instrumentation Computer, Communication & V-Sat Issues	Other								Reporter

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>HRDH-320 (RETRIEVE STUCK ME PLUG AND RUN 7" TIEBACK LINER)</b>	Rig <b>T915</b>	Foreman(s) <b>METAWEA, ELSAYED IBRAHIM/ KATHIRI, MOHAMMED MEZHEF/</b>
Engineer Superintendent	<b>NGO, TUAN ANH/ ALDOSARI, ABDULRAHMAN MUTLAQ</b>		
THURAYA <b>008821677714137</b>	RIG FORMAN VSAT <b>0135763076</b>	OTHER VSAT <b>0135763067</b>	CONTRACTOR/CLERK VSAT <b>0135115191</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>12155</b>	<b>N/U &amp; P/T 13 X 13 SPOL &amp; BOPE, S/L RTRV'D JB &amp; 2 X 7" ME PLUGS, R/U HALL RCD.</b>	<b>RIH 6-1/8" C/O ASSY, CHC, FC, POOH &amp; L/D C/O ASSY, RIH GS ASSY, RTRV OLD JB &amp; 7" ME PLUG, BH, CONFIRM WELL DEAD, RTRV PUMP THRU PLUG, BH, FC, R/D RCD.</b>	<b>265 KM FROM DAHARAN MAIN GATE (CLOSE TO HRDH PWI W1)</b>	<b>6.0</b> (02/21/2023@0500)	
<b>Prev. Depth</b>	<b>12155</b>	<b>Liner Size 7</b>	<b>TOL 2184</b>	<b>MD 6229</b>	<b>TVD 6229</b>
				<b>Last Csg Size 9 5/8</b>	<b>MD 41644164</b>
				<b>TVD</b>	<b>Footage 0</b>
					<b>Circ % 100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
<b>04.0</b>	<b>0500 - 0900</b>	<b>0-1</b>		<b>N</b>	<b>BOP</b>	<b>NU</b>	<b>BOP</b>	<b>RIG</b>	<b>12155</b>	<b>12155</b>			<b>HPJSM, N/U 13 5/8" X 13 5/8" OLD SPACER SPOOL &amp; 13 5/8" CLASS A 5M BOPE.</b>			
<b>03.5</b>	<b>0900 - 1230</b>	<b>0-1</b>		<b>N</b>	<b>BOP</b>	<b>BOPT</b>	<b>BOP</b>	<b>RIG</b>	<b>12155</b>	<b>12155</b>			<b>HPJSM, M/U TEST ASSY, P/T BOP'S &amp; RELEASED EQUIPMENT TO 300/2550 PSI AS PER ARAMCO STANDARDS, L/D TEST ASSY. - FULL BOPE TEST PERFORMED ON STUMP ON 2/20/2023. - P/T CHOKE MANIFOLD OFF-LINE ON 2/21/2023. - PERFORMED ACCUMULATOR DRILL, OK.</b>			
<b>01.0</b>	<b>1230 - 1330</b>	<b>0-1</b>		<b>N</b>	<b>BOP</b>	<b>NU</b>	<b>SNIP</b>	<b>RIG</b>	<b>12155</b>	<b>12155</b>			<b>HPJSM, N/U 7" SHOOTING NIPPLE.</b>			
<b>06.0</b>	<b>1330 - 1930</b>	<b>0-1</b>		<b>N</b>	<b>FISH</b>	<b>OTH</b>	<b>NA</b>	<b>GD1</b>	<b>12155</b>	<b>12155</b>			<b>HPJSM, R/U GDMC S/L PCE, P/T SAME TO 2500 PSI, OK. &gt; RIH INTERWELL GS PULLING TOOLS, ENGAGED &amp; RETREIVED JUNK BASKET @ 2240', POOH, L/D SAME. &gt; RIH INTERWELL GS PULLING TOOLS, ENGAGED &amp; RETREIVED 1ST 7" ME PLUG @ 2250', POOH, L/D SAME. &gt; RIH INTERWELL GS PULLING TOOLS, ENGAGED &amp; RETREIVED 2ND 7" ME PLUG @ 2300', POOH, L/D SAME. &gt; R/D GDMC S/L EQUIPMENT.</b>			
<b>01.0</b>	<b>1930 - 2030</b>	<b>0-1</b>		<b>N</b>	<b>BOP</b>	<b>ND</b>	<b>SNIP</b>	<b>RIG</b>	<b>12155</b>	<b>12155</b>			<b>HPJSM, N/D SHOOTING NIPPLE</b>			
<b>07.0</b>	<b>2030 - 0330</b>	<b>0-1</b>		<b>N</b>	<b>BOP</b>	<b>NU</b>	<b>RCD</b>	<b>HUD</b>	<b>12155</b>	<b>12155</b>			<b>HPJSM, R/U HALL RCD AND RELATED EQUIPMENT, P/T AS PER HALL STANDSRDS, OK</b>			
<b>01.5</b>	<b>0330 - 0500</b>	<b>0-1</b>		<b>N</b>	<b>BOP</b>	<b>NU</b>	<b>BNIP</b>	<b>RIG</b>	<b>12155</b>	<b>12155</b>			<b>HPJSM, N/U BELL NIPPLE &amp; FLOW LINE.</b>			

> ODF CORRECTION: -14 FT

===== ARAMCO PERSONNEL ON LOCATION =====

- ARAMCO FOREMAN ALI MOHAMED ID # 8589271 ON LOCATION SINCE 2/19/2023.

- MATERIAL EXPEDITOR KHALID DALBHI ID#8334170 ON LOCATION.

===== DIESEL CONSUMPTION / WELL=====

- DIESEL CONSUMPTIONS FOR ENGINES (RIG+CAMP): (DAILY: 33 BBLS/ TOTAL: 361 BBLS).

===== NEXT WELLS =====

- HRDH-440: KOM CONDUCTED ON 1/03/2023, STRIP OUT 100%, LOCATION 85%.

- HRDH-336: KOM CONDUCTED ON 01/23/2023, STRIPPING-OUT: 00% & LOCATION: 00%.

===== OILSERV ACID TANK W/ 100 BBLS 20 % VDA ON LOCATION SINCE 13-FEB-2023.

Remarks

Lateral	Survey MD	Angle	Azimuth	CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS	
MUD DATA	Weight <b>91 PCF</b>	Funnel Vis. <b>60 SEC</b>	Filtrate(WL) <b>16 HTHP</b>	Filtrate (WL) API	PV <b>23</b>	YP <b>30</b>	Electrical Stability	3/6 RPM <b>9 / 12</b>	Gels Sec/Min <b>9 / 16</b>	PH <b>8.5</b>	CA PPM <b>0</b>	
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>1</b>	Water Vol. <b>100</b>	Oil Vol. %	Solids Vol. %	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>WBM</b>	Water Well # <b>HRDH-894, HRDH-892</b>	
	Weight <b>91 PCF</b>	Funnel Vis. <b>61 SEC</b>	Filtrate(WL) <b>16 HTHP</b>	Filtrate (WL) API	PV <b>23</b>	YP <b>30</b>	Electrical Stability	3/6 RPM <b>9 / 12</b>	Gels Sec/Min <b>9 / 16</b>	PH <b>8.5</b>	CA PPM <b>0</b>	CL PPM <b>250000</b>
	FL Temp <b>0</b>	Cake HTHP <b>1</b>	Cake API <b>1</b>	Water Vol. <b>100</b>	Oil Vol. %	Solids Vol. %	Sand Vol. % <b>0</b>	% LGS <b>0</b>	MBT <b>0</b>	Mud type <b>WBM</b>	Water Well # <b>HRDH-894, HRDH-892</b>	
MUD TREATMENT	UTG-XG	MRBL-F	BARITE	PACR								
BIT DATA	8(55LB)	7(2200L)	12(5000L)	10(55LB)								
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade
											Class	Serial #
	BOP Test	BOP Drills	Wind	Sea	Weather	DSLTA	Safety Meeting					

Miscellaneous	02/20/2023	2/26/2023	SEASONAL		SEASONAL	4183	PRE-SPUD SAFETY MEETING.						
	Real-Time Data Quality					No Transmission							
Personnel and Services Information	COMPANY	INW	RIG	JCT	RIG	EMC	NFM	HUD	RIG	ARM	GD1	ARM	Total <b>95</b>
	CATEGORY	BRCR	CTR G	COIL	RIG	DFMS	WMFE	MPD	OTHR	OTHR	SLS	WSC	
	NO. OF PERSONS	1	17	10	37	1	1	4	16	1	4	3	
	OPERATING HRS.	15	0	0	24	24	0	9	0	12	12	24	
	ON LOCATION HRS.	24	24	5	24	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers	<b>ARAMCO PU AB-6460</b>			<b>4 X RAW WATER TANKERS</b>		<b>CREW BUS</b>						
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX	69	Bentonite - SX	30	Cement G- SX	2000				
REPAIR ASAP	Instrumentation	Other											Reporter
	Computer, Communication & V-Sat Issues												

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 (0500-0500) Saudi Aramco

Date	MONDAY 02/27/2023	Well No (Type): <b>ZULF-657</b> <b>(SINGLE LATERAL WELL FROM ZULF-650/659)</b> Charge #: <b>(66- 22062- 0657)</b> Wellbores: (0) ZULF_657_0	Rig <b>V140A</b>	Foreman(s) <b>LOY, VINCENT/ OSMAN, MUHANID ISMAIL</b> <b>MOHAMED/ ANOUN, KAREEM AHMED/</b> <b>ALSAIHAJI, ZAINAB ABD ULKAREEM/</b> <b>HAWSAWI, ABDULLAH OMAR</b>		
			Engineer Superintendent <b>THURAYA</b> <b>+88021677712653</b>	RIG FORMAN VSAT <b>673-5724</b>	OTHER VSAT <b>673-5731</b>	CONTRACTOR/CLERK VSAT <b>673-5728 (CLERK)</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>9070</b>	<b>RIH UPPER ESP COMPLETION, SPACE OUT, M/U TBG HANGER, FEED TRSSV C.LINE AND ESP CABLE THROUGH HGR.</b>	<b>LAND TBG HANGER. SET 4 1/2" RBP. SET ESP PKR. INSTALL BPV. N/D BOP. N/U TBG BONNET &amp; X-MASS TREE. RETRIEVE RBP. SECURE WELL. SKID TO ZULF-658.</b>	<b>ZULF-650/659 PLATFORM</b>	<b>35.7</b> (02/16/2023@1015)	<b>ZKB2</b> <b>6904</b> <b>6120' TVD</b>

Prev. Depth	Liner Size	TOL	MD	TVD	Last Csg Size	MD	TVD	Footage	Circ %
					<b>9 5/8</b>	<b>71126121</b>		<b>0</b>	<b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	LT TYPE	LT ID	Summary of Operations
04.5	0500 - 0930 0			C	COMP	HT	TBG	FMC	9070 9070				RIH W/ BORETS UPPER ESP COMPLETION ON 4-1/2" 11.6#, J-55, NVAM TBG. INSTALL ESP CABLE CLAMP ON EACH CONNECTION.
02.0	0930 - 1130 0			C	COMP	DTU	DRFT	MSL	9070 9070				R/UP MANSOORI SLICK LINE EQUIP. RIH W. 3.875" DRIFT TO 1984 FT. POH AND R/D MANSOORI SLICK LINE EQUIP.
00.5	1130 - 1200 0			C	COMP	HT	TBG	FMC	9070 9070				RIH W/ BORETS UPPER ESP COMPLETION ON 4-1/2" 11.6#, J-55, NVAM TBG. INSTALL ESP CABLE CLAMP ON EACH CONNECTION.
00.5	1200 - 1230 0			C	COMP	SDR1	NA	RIG	9070 9070				HELD SAFETY STAND DOWN MEETING WITH RIG CREW & THIRD PARTY.
01.5	1230 - 1400 0			C	COMP	HT	TBG	FMC	9070 9070				RIH W/ BORETS UPPER ESP COMPLETION ON 4-1/2" 11.6#, J-55, NVAM TBG. INSTALL ESP CABLE CLAMP ON EACH CONNECTION.
00.5	1400 - 1430 0			C	COMP	HT	ESPL	SBA	9070 9070				SAWAFI PERFORMED ELECTRICAL CHECKS, OK
02.0	1430 - 1630 0			C	COMP	HT	TBG	FMC	9070 9070				RIH W/ BORETS UPPER ESP COMPLETION ON 4-1/2" 11.6#, J-55, NVAM TBG. INSTALL ESP CABLE CLAMP ON EACH CONNECTION.
01.2	1630 - 1745 0			C	COMP	DTU	DRFT	MSL	9070 9070				R/UP MANSOORI SLICK LINE EQUIP. RIH W. 3.875" DRIFT TO 2000 FT. POH AND R/D MANSOORI SLICK LINE EQUIP.
01.5	1745 - 1915 0			C	COMP	OTH	PKR	SCP	9070 9070				P/U AND RIH WITH 2 MORE JOINTS OF 4-1/2" 11.6# TUBING AND STING INTO WTFD MFIV WITH SHIFTING TOOL T/5'. SHIFTED MFIV OPEN AND OBSERVED 7 BBL LOSSES. TAGGED TOP OF PBR WITH NO-GO AND CALCULATED SPACE OUT ** RECORDED 50 BPH STATIC LOSSES. ** PUT FOSV AT THE LAST JOINT BEFORE STING INTO QUANTUM PKR & KEEP TRIP TANK RUNNING.
00.2	1915 - 1930 0			C	COMP	OTH	PKR	SCP	9070 9070				STING OUT OF QUANTUM PACKER GENTLY CLOSING MFIV. FLOW CHECK. WELL STATIC.
00.5	1930 - 2000 0			C	COMP	WO	NA	RIG	9070 9070		WON	909565	WAIT ON WEATHER DUE TO LIGHTNING AND HIGH WIND SPEED, WHILE MONITERING WELL ON TRIP TANK.
01.2	2000 - 2115 0			C	COMP	HT	TBG	FMC	9070 9070				POH W/ 8 JTS X 4 1/2" 11.6#, J-55, NVAM TBG LANDING JOINTS FOR SPACE-OUT AS PER SLB INSTRUCTIONS.
01.8	2115 - 2300 0			C	COMP	HT	SSSV	SCP	9070 9070				P/U SLB TRSSV VALVE AND TERMINATE 1/4" CONTROL LINE. PSI TEST TO 6000 PSI. FUNCTION TEST TRSSV VALVE, OK.
01.0	2300 - 0000 0			C	COMP	HT	TBG	FMC	9070 9070				P/U AND RIH WITH SPACE OUT - 2 JTS X 4-1/2" 11.6#, 2 X 10' PJS AND 2 JTS X 4-1/2" 11.6# J-55 NVAM TBG, P/U & M/U TUBING HANGER ASSY, INSTALL ESP CABLE CLAMP ON EACH CONNECTION.
00.5	0000 - 0030 0			C	COMP	SDR1	NA	RIG	9070 9070				HELD SAFETY STAND DOWN MEETING WITH RIG CREW & THIRD PARTY.
00.8	0030 - 0115 0			C	COMP	DTU	DRFT	MSL	9070 9070				R/UP MANSOORI SLICK LINE EQUIP. PERFORM S. LINE RUNS AS FOLLOW:- - RIH W/ 3.875" DRIFT TILL TAG TRSSV. - RIH W/ 3.795" DRIFT AND PASS FREE THRU TRSSV. POH AND R/D MANSOORI SLICK LINE EQUIP.
01.5	0115 - 0245 0			C	COMP	HT	SSSV	SCP	9070 9070				SLB TERMINATE CONTROL LINE AND FEED THROUGH THE HANGER.
02.2	0245 - 0500 0			C	COMP	HT	ESPL	SBA	9070 9070				SAWAFI TERMINATE AND FEED THROUGH ESP CABLE IN 11" VG TUBING HANGER.....ONGOING @ RT.

Lost Time Details

From - To	Hrs	Cum. Hrs	LT ID	Parent LT ID	Type	Cause	Object	Resp Co	Depth	LT Summary
<b>27 Feb 1930 - 2000</b>	.5	.5	<b>909565</b>		<b>WON</b>	<b>WTHR</b>	<b>NA</b>	<b>ARM</b>	<b>4421</b>	<b>HAD LIGHTNING AND HIGH WIND SPEED</b>

**WELL OBJECTIVE: ZULF-657 IS AN OIL PRODUCER THAT WILL BE DRILLED AS A HORIZONTAL SINGLE LATERAL PRODUCER TARGETTING KHFJ STINGER FROM ZULF-650/659 PF TO A TOTAL DEPTH OF 10,056 FT.**

## BATCH DRILLING SEQUENCE PF ZULF-650/659

- BATCH DRILL 22" HS: 653/655/654/658 (COMPLETED)
  - BATCH DRILL 16" HS: 658/654/655/653 (COMPLETED)
  - ZULF-653: DRILL 8.5 PH + L-1 12-1/4 (COMPLETED)
  - ZULF-654: DRILL 8.5 PH (COMPLETED)
  - ZULF-655: DRILL 8.5 PH + L-1 12-1/4 (COMPLETED)
  - ZULF-658: DRILL 8.5 PH (COMPLETED)
  - ZULF-658: DRILL L-1 12-1/4 (COMPLETED)
  - ZULF-654: DRILL L-1 12-1/4 (COMPLETED)
  - BATCH DRILL 22" HS: 651/657 (COMPLETED)
  - BATCH DRILL 16" HS: 657/651 (COMPLETED)
  - BATCH DRILL 12-1/4" HS: 651 (COMPLETED)
  - BATCH DRILL 12-1/4" HS: 657 (COMPLETED)
  - ZULF-657: 8-1/2 (COMPLETED) + COMPLETION (CURRENT)
  - DRILL RESERVOIR SECTION OF EACH SL WELL (8-1/2) AND RUN COMPLETION (658/654/651/653)

- ZULF-655: DRILL L-1 8-1/2, L-2 8-1/2, L2 6-1/8
- ZULF-650: COMPLETION
- FLOW BACK

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- ZULF-650/659 PF. - RIG POSITION: LAT: 28 DEGREE 28.85 N LONG,49 DEGREE 23.94 E. RIG HEADING 329 DEG
- WATER DEPTH: 169 FT. AIR GAP: 45.5 FT RKB TO MSL: 113.75 FT & RKB TO SEABED: 282.8 FT.

FINAL LEG PENETRATIONS: BOW 12L PORT 12L STARBOARD 12L DIFF PKG/OP: 10.25 FT

#### **ZUL E-657 CASING POINTS (RKB):**

- 30" CONDUCTOR SHOE AT 337 FT (PRESET)
  - 18-5/8" CSG SHOE AT 2214 FT (ACTUAL)
  - 13-3/8" CSG SHOE AT 4797 FT (ACTUAL)
  - 9-5/8" CSG SHOE AT 7112 FT (ACTUAL)

#### **PERSONNEL ONBOARD:**

#### **CONTRACTOR MANAGEMENT VISITS:**

- ADAM L JONES (HSE SUPERVISOR) #8255685 DEP. RIG 10-NOV-2022**  
**-JAMIE PEARSON (HSE MANAGER) #8035490 DEP. RIG 22-APR-2022**

#### **RENTALS ONBOARD:**

- 6.5" NPS JAR SN #HJDA-650-0012 CONN XT-54 ON BOARD FROM 6-FEB-2023 (MNF#2100680293).  
- 6.5" NPS JAR SN #H IDA-650-0016 CONN XT-54 ON BOARD FROM 15-FEB-2023 (MNF#2100681962)

HSE

- HSE:**

  - H2S/FIRE/ ABANDON DRILL CONDUCTED ON 02/26/2023.
  - PERFORMED HELICOPTER CRASH DRILL & FOAM SYSTEM TRAINING ON 26-FEB 2023.
  - SAFETY ALERTS: REVIEWED HSE ALERT AS RECEIVED.

## **NEXT LOCATION:**

- BATCH DRILLING SAME ZULF 650/659 PLATFORM.

## MUD SAMPLES:

- LC-50 WBM MUD SAMPLE: COLLECTED 1 X WBM SAMPLE. TRANSPORTED TO TAN TO BE TESTED UNDER MF# 2400580325
  - LC-50 OBM MUD SAMPLE: COLLECTED 1 X OBM SAMPLE. TRANSPORTED TO TAN TO BE TESTED UNDER MF#2400583498

TRAJECTORY: ZULF-657 L0 PLAN 4.3 FJ\_08FEB23 PROPOSAL REPORT

### Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS
MUD DATA	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM	
	77 PCF	30 SEC	0 HTHP	API	0	0	0 Volts	0 / 0	0 / 0	9.5	0	197000	
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #		
	0	0	0	92	0	8	0	0	0	CACL			
	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM	
	77 PCF	30 SEC	0 HTHP	API	0	0	0 Volts	0 / 0	0 / 0	10	0	198000	
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #		
MUD	0	0	0	92	0	8	0	0	0	CACL	Water Well #		
	Weight	Funnel Vis.	Filtrate(WL)	Filtrate (WL)	PV	YP	Electrical Stability	3/6 RPM	Gels Sec/Min	PH	CA PPM	CL PPM	
MUD	77 PCF	31 SEC	0 HTHP	API	0	0	0 Volts	0 / 0	0 / 0	10	0	198000	
	FL Temp	Cake HTHP	Cake API	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. %	% LGS	MBT	Mud type	Water Well #		
MUD	0	0	0	92	0	8	0	0	0	CACL	Water Well #		

TREATMENT																		
BIT DATA																		
DRILL STRING	Order Component Provider Nominal Size # Joints OD Size ID Size Length Top Thread Bottom Thread Weight Grade Class Serial #																	
Miscellaneous	BOP Test <b>02/11/2023</b> BOP Drills <b>TOURLY</b> Wind <b>25-27 KTS NW</b> Sea <b>3-4 FT</b> Weather <b>SEASONAL</b> DSLTA Safety Meeting <b>TOURLY</b>																	
	Real-Time Data Quality Sensors Quality 100% Data Frequency 100% Real-Time Hrs 10.74/24 hrs																	
Personnel and Services Information	COMPANY	SBA	SCB	GOS	SCP	SDM	RIG	BAR	OES	BFL	ARM	NCS	MSL	MI2	FMC	ARM	GEP	Total <b>97</b>
	CATEGORY	ALS	BRCR	CTR G	PSSC	DPDS	RIG	DFMS	DFMS	FILT	OTHR	PCS	SLS	SCS	PRS	WSC	WHES	
	NO. OF PERSONS	7	1	13	1	4	52	1	1	3	0	2	3	1	4	3	1	
	OPERATING HRS.	24	0	0	24	0	24	12	12	0	0	24	6	0	20	24	5	
	ON LOCATION HRS.	24	24	24	24	24	24	24	24	0	24	24	24	24	24	24	24	
Trucks/Boats	Standby/Tankers <b>RAWABI-9</b>																	
BULK	Drill Wtr.-BBLS <b>1624</b>	Pot Wtr.- BBLS <b>1206</b>	Fuel- BBLS <b>1290</b>	Barite- SX <b>2113</b>	Bentonite - SX <b>779</b>	Cement G- SX <b>2787</b>												
REPAIR ASAP	Instrumentation	Other																Reporter
	Computer, Communication & V-Sat Issues																	

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>MRJN-3026</b> <b>( MRJN-3026 WILL BE DRILLED AS A SINGLE LATERAL GAS PRODUCER WELL TARGETING THE MAIN KHAFJI RESERVOIR)</b> Charge #: <b>(66- 22073- 3026)</b> Wellbores: (0) MRJN_3026_0	Rig <b>V141A</b> Foreman(s) <b>COWLEY, DAVID KERR/ YASSIN, MAHMOUD</b> Engineer <b>MOHAMED/ SABER, RAYAN NABIL/ ALBRIAKAN, ABDULLAH</b> Superintendent <b>DHAFER/ UMAIRIN, ISA SALEM</b>
THURAYA <b>821677712546</b> <b>378-8321</b>	RIG FORMAN VSAT <b>378-8321</b>	OTHER VSAT <b>3788322 378-8323</b>

Depth <b>8492</b>	Last 24 hr operations <b>CIRC., R/UP CMT HEAD, PERFORM CMT JOB AS PER PROGRAM, INSTALLED PACK OFF FOR CSG HANGER, LIFT 13 5/8" BOP., SUSPEND OPERATION TO SKID RIG TO MRJN-3025.</b>				Next 24 hr plan <b>SKID RIG TO WELL MRJN- 3025, N/UP BOP, TEST SAME, P/UP &amp; RIH W/ 12 1/4" CLEAN OUT ASSY., C/O 13 3/8" SHOE TRACK, DRILL 10' NEW FORMATION.</b>				Location <b>MRJN-3021/3030- 3303 PF</b>		Days Since Spud/Comm (Date) <b>42.7 (02/07/2023@1300)</b>		Formation tops		
Prev. Depth <b>8492</b>									Last Csg Size <b>9 5/8</b>	MD <b>84826576</b>	TVD	Footage <b>0</b>	Circ % <b>100</b>		
Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth	Event depth	Start	End	Start	End	Summary of Operations
02.5	<b>0500 - 0730</b>	0	12 1/4	N	CSG	CIRC	MPMP	RIG	8492	8492					<b>RIG UP BAKER CMT CIRC HEAD AND SURFACE LINES, CIRC. BTM UP.</b>
00.5	<b>0730 - 0800</b>	0	12 1/4	N	CSG	PJSM	CSG	BCM	8492	8492					<b>HPJSM WITH ALL PERSONAL INVOLED TO CMT JOB</b>
04.0	<b>0800 - 1200</b>	0	12 1/4	N	CSG	CMC	CSG	BCM	8492	8492					<b>FLUSHED SURFACE LINES AND PRESSURE TESTED SAME TO 300/3,000 PSI &amp; PREFORMED 1ST. STAGE OF CMT AS FOLLOW: - RIG: PUMPED 100 BBLS OF 100 PCF SEAL BOND SPACER - DROPPED HALL BYPASS PLUG (BOTTOM PLUG). - BAKER MIXED &amp; PUMPED 90 BBLS OF 105 PCF LEAD SLURRY AT 5 BPM AND 166 BBLS OF 118 PCF TAIL SLURRY AT 5 BPM - DROPPED HAL DISPLACEMENT PLUG (TOP PLUG). - BAKER MIXED &amp; PUMPED 10 BBLS OF CEMENT BEHIND PLUG AT 5 BPM. - RIG: PUMPED 20 BBLS OF 100 PCF SPACER - RIG PUMPED 138 BBLS 95 PCF OBM MUD. - RIG: PUMPED 15 BBLS OF 100 PCF BAKER SPACER. - RIG: DROPPED DV OPENING PLUG. - RIG: PUMPED 15 BBLS OF 100 PCF BAKER SPACER. - RIG: DISPLACED CMT WITH 393 BBLS OF 95 PCF OBM (REDUCED RATE FOR LAST 20 BBL). - RIG: CONTINUED DISPLACING AND OPENED DV AT 3000 PSI AS PER DV ENGINEER.</b>
01.5	<b>1200 - 1330</b>	0	12 1/4	N	CSG	CIRC	MPMP	RIG	8492	8492					<b>CIRC THROUGH OPEN DV PORTS FOR SECOND STAGE.</b>
00.5	<b>1330 - 1400</b>	0	12 1/4	N	CSG	PJSM	CSG	BCM	8492	8492					<b>HPJSM WITH ALL PERSONAL INVOLED TO CMT JOB.</b>
03.0	<b>1400 - 1700</b>	0	12 1/4	N	CSG	CMC	CSG	BCM	8492	8492					<b>PERFORM 2ND STAGE CMT JOB AS FOLLOW: - RIG: PUMPED 100 BBLS OF 100 PCF BAKER SPACER AT 10 BPM. - BAKER: MIXED &amp; PUMPED 296 BBLS OF 105 PCF SLURRY AT 6 BPM. - DROPPED HAL CLOSING PLUG AS PER DV ENGINEER. - BAKER: MIXED &amp; PUMPED 10 BBLS OF 105 PCF SLURRY AT 5 BPM, FOLLOWED BY 10 BBLS OF SPACER. - RIG: PUMPED 370 BBLS OF 95 PCF OBM MUD AT 10 BPM (SLOW DOWN AT LAST 20 BBLS AS PER HAL DV ENGINEER). - CLOSED THE DV AT 2400 PSI AS PER HAL DV ENGENEER. - HELD FOR 10 MINS OK. - BLED OFF, CHECK FOR BACK FLOW. OK</b>
00.5	<b>1700 - 1730</b>	0	12 1/4	N	CSG	CIRC	MPMP	RIG	8492	8492					<b>FLUSHED LINES, DIVERTER AND WH, RIG DOWN CEMENT HEAD AND HOSES.</b>
00.5	<b>1730 - 1800</b>	0	12 1/4	N	CSG	HT	PEL	RIG	8492	8492					<b>CHANGE CASING BAILS TO DRILLING BAILS.</b>
00.5	<b>1800 - 1830</b>	0	12 1/4	N	CSG	SET	FMH	CAM	8492	8492					<b>RELEASED RT FROM FMH HANGER, L/D 10 3/4" LANDING JOINTS.</b>
01.0	<b>1830 - 1930</b>	0	12 1/4	N	CSG	HT	PEL	FMC	8492	8492					<b>RIG DOWN FRANKS CSG EQUIPMENT</b>
00.5	<b>1930 - 2000</b>	0	12 1/4	N	CSG	SET	FMH	CAM	8492	8492					<b>MAKE UP CAM JETTING TOOL JET HANGER, RACK BACK SAME.</b>
01.0	<b>2000 - 2100</b>	0	12 1/4	N	CSG	SET	FMH	CAM	8492	8492					<b>M/U CAM PACK OFF ASSY ON HWDP. RIH AND ENGAGED PACK-OFF, TESTED WITH 20 KLBS OVERPULL AND P/TESTED TO 5,000 PSI. SET AND RELEASED PACK OFF. POOH AND RIG DOWN</b>

**MRJN-3026 WILL BE DRILLED AS A SINGLE LATERAL GAS PRODUCER WELL TARGETING THE MAIN KHAFJI RESERVOIR GAS CAP**

## HEADING: 332 DEG

**WATER DEPTH: 169 FT**

**RIG FLOOR TO MSL: 114.83 FT**

**FINAL AIRGAP: 47 FT**

**FINAL RIG PENETRATION: BOW 9.5 FT, STBD 9.5 FT, PORT 10.5 FT**

- UNPLANNED 24" CSG AT 702 FT
  - PLANNED 18-5/8" AT 2,428 FT (50' TVD INTO RUS), ACTUAL 2416 FT MD, 2410 FT TVD
  - PLANNED 13-3/8" AT 5,659 FT (50' TVD ABOVE LAWHAH), ACTUAL 5716 FT MD, 5318 FT TVD
  - PLANNED 9-5/8" AT 8427 FT, ACTUAL XXX FT MD, XXX FT TVD
  - 8-1/2" HOLE TD AT 12,191 FT MD, ACTUAL XXX MD, XXX FT TVD

**ABDULRAHMAN TAYAR, ARAMCO PDP, ID# 786040, ONBOARD 19 FEBRUARY 2023.**

RECEIVED 8 1/2" PBL SUB WITH S/N: WES825BP826 ON 26-JAN-2023.DRSS 1003820188

RECIEVED 6-1/2" GULF ENERGY JAR # HJDA-650-0015 ON 26-JAN 2023 DRSS#1003820231

RECEIVED 13 3/8" HALL. CMT RETAINER SETTING TOOL ON 13 DEC 2022

RECIEVED 6-1/2" OIL SERV JAR # HJDA-676-0008 ON 15-FEB 2023 DRSS#1003844288

HSE-

- LAST H2S DRILL, FIRE AND RIG ABANDON DRILL: 21 FEBRUARY 2023.

**NEXT WELL: 12-1/4 SECTION MRJN 3025**

## Remarks

D&WO Morning Report (Service Providers View)  
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 Daily Onshore  
 (0500-0500) Saudi Aramco

Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>NIBN-817 (WATER SUPPLY WELL)</b> Charge (63- 22040-#: <b>0817</b> ) Wellbores: (0) NIBN_817_0	Rig <b>ZPEC-1</b>	Foreman(s) <b>HABKRI, MOUSSA IBRAHIM/ ABOELKHEIR, MOHAMED HANY/ BAGHDADY, WALEED MOHAMED/ SARRANI, HASSAN FAHAD</b>
		THURAYA <b>+8821677712973</b>	RIG FORMAN VSAT <b>0135723760</b> OTHER VSAT <b>0135723461</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>1519</b>	<b>RIH 17" BHA, COC, PT CSG, DISPLACE TO MUD, DRILL 17" HOLE, POOH 17" BHA, L/D REAMERS., RIH SLICK BHA.</b>	<b>DRILL 17" BHA.</b>	<b>NIBN-817. 400 -/+ KM FR DMG, 48 KM SOUTH ON TINAT RD, LEFT 48 KM SKID RD</b>	<b>15.7</b> (02/11/2023@1200)	
<b>Prev. Depth</b> <b>1465</b>	Liner Size <b>18 5/8</b>	TOL <b>1464</b>	MD <b>1464</b>	TVD <b>1464</b>	Footage <b>54</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
<b>01.0</b>	<b>0500 - 0600</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>TI</b>	<b>BHA</b>	<b>RIG</b>	<b>1465</b>	<b>1465</b>	<b>550</b>	<b>1316</b>	<b>CONT RIH 17" BHA TAGGED TO OF CMT @ 1316'</b>
<b>07.5</b>	<b>0600 - 1330</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>DC</b>	<b>KELLY</b>	<b>RIG</b>	<b>1465</b>	<b>1465</b>	<b>1316</b>	<b>1455</b>	<b>HPJSM, M/U KELLY, CLEAN OUT CEMENT W/ WTR &amp; GS TO 1455' (10' ABOVE 18-5/8" CSG SHOE).</b>
<b>01.0</b>	<b>1330 - 1430</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>1465</b>	<b>1465</b>			<b>PUMP HI-VIS AND CHC, PRESSURE TEST CASING TO 500 PSI-OK.</b>
<b>01.0</b>	<b>1430 - 1530</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>1465</b>	<b>1465</b>			<b>DISPLACE HOLE TO 67 PCF NACL NON-DAMAGING POLYMER MUD.</b>
<b>01.5</b>	<b>1530 - 1700</b>	<b>0</b>	<b>22</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>1465</b>	<b>1465</b>			<b>COC &amp; FLOAT SHOE.</b>
<b>05.5</b>	<b>1700 - 2230</b>	<b>0</b>	<b>17</b>	<b>N</b>	<b>DRLG</b>	<b>D</b>	<b>KELLY</b>	<b>RIG</b>	<b>1465</b>	<b>1519</b>			<b>ROTARY DRILLING 17" HOLE W/ 67 PCF NACL NON-DAMAGING POLYMER MUD. HAD TOTAL LOSSES @ 1519' (54' BELOW SHOE) - SWEEP HOLE 2X25 BBLS HVP EVERY CONNECTION. - WASH UP &amp; REAM DOWN TWICE EVERY CONNECTION.</b>
<b>00.5</b>	<b>2230 - 2300</b>	<b>0</b>	<b>17</b>	<b>N</b>	<b>DRLG</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>1519</b>	<b>1519</b>			<b>PUMP 50 BBLS HI-VIS AND CIRC, NO RETURN.</b>
<b>03.0</b>	<b>2300 - 0200</b>	<b>0</b>	<b>17</b>	<b>N</b>	<b>DRLG</b>	<b>TO</b>	<b>BHA</b>	<b>RIG</b>	<b>1519</b>	<b>1519</b>	<b>1519</b>	<b>0</b>	<b>HPJSM, POOH 17" BHA TO SURFACE &amp; L/D REAMERS.</b>
<b>03.0</b>	<b>0200 - 0500</b>	<b>0</b>	<b>17</b>	<b>N</b>	<b>DRLG</b>	<b>TI</b>	<b>BHA</b>	<b>RIG</b>	<b>1519</b>	<b>1519</b>	<b>0</b>	<b>1519</b>	<b>HPJSM, RIH W/17" SLICK BHA TO BTM.</b>

#### WELL OBJECTIVE:

NIBN-817 WILL BE USED AS A DRILLING WATER SUPPLY WELL SUPPORTING EXPLORATORY CONVENTIONAL NIBN-10  
 THE WELL SHOULD BE COMPLETED AS AN OPEN HOLE IN THE UMER AQUIFER

=====

#### OPTION A (UMER)

THE WELL SHOULD BE COMPLETED AS AN OPEN HOLE IN THE UMER AQUIFER AT TOTAL DEPTH OF 2400 FT BGL, IF UMER PRODUCTION RATE AND WATER

QUALITY WERE ACCEPTABLE THEN COMPLETE THE WELL AS AN OPTION A. PUMPING TEST WILL BE REQUIRED WITH PUMP SETTINGS AT 1000 FT BGL

#### WELL DESIGN OPTION :(A)

- 30"CONDUCTOR @ +/- 125' RKB (100' BGL)
- 24" CSG. @ +/- 805' RKB (780' BGL).
- 18-5/8" CSG. @ +/-1425' RKB (1400' BGL). SET 18-5/8" CSG @ 1465' RKB.
- 17" OPEN HOLE @ +/- 2425' RKB (2400 BGL)

\*\* ELEVATION FROM RIG FLOOR TO GROUND LEVEL: 25 FT.

"DE HELD A PRE-SPUD MEETING AND STUCK PIPE AWARNESS WITH RIG FOREMEN ON 2/16/2023.

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#### OPTION :(B) (SFNY)

IF THE UMER TEST RESULTS DIDN'T MEET REQUIREMENTS, THEN CONTINUE DRILLING TO SFNY AQUIFER.

THE WELL SHOULD BE COMPLETED WITH +/- 880 FT OF 7" SCREEN ACROSS THE BEST WASI AQUIFER SAND AT TOTAL DEPTH OF 5800 FT BGL.

#### WELL DESIGN OPTION :(B)

- 30"CONDUCTOR @ +/- 125' RKB (100' BGL)
- 24" CSG. @ +/- 805' RKB (780' BGL).
- 18-5/8" CSG. @ +/-1425' RKB (1400' BGL).
- 13 3/8"CSG @ +/- 3570' RKB (3545' BGL)
- 9 5/8" LNR @ +/- 4920' RKB (4895' BGL)
- 8-1/2" HOLE: SET 7" SCREEN LINER @ 5800' RKB (5775' BGL).

\*\* ELEVATION FROM RIG FLOOR TO GROUND LEVEL: 25 FT.

=====

- ARAMCO LINK DATA TRANSMISSION SERVICE WILL BE USED FOR THIS WELL.

- CUSTOMIZE MUDLOGGING SERVICES ARE REQUIRED IN THIS WELL FROM SURFACE TO TD.

-RUN ZDL/CN/GR LOGS FROM TOTAL DEPTH TO 100 FT ABOVE THE 18-5/8" CASING SHOE. CONTINUE GR TO SURFACE.

\* NEXT LOCATION:

\* WELL NAME: NIBN-821

\* REQUEST DATE: 12/11/2022

\* LOCATION READINESS: READY

NEAREST HOSPITAL FOR EMERGENCY & CONTACT:  
- NADEC HARADH HOSPITAL 0135849009 (137 KM)

PRE- TOUR SAFETY MEETING WITH CREW:

HANDLING DRILL PIPE

A) TONGS-ALWAYS TIE BACK TONGS WHEN NOT BEING USED; ONLY SHIFT, CLOSE AND SET THE TONGS BY THE HANDLES; MAKE SURE THE TONG JAWS ARE SET CORRECTLY FOR THE PIPE SIZE; FLOORMEN NEVER MUST STAND BETWEEN THE TONGS, ALWAYS STAND WELL CLEAR; PINCH POINTS HAZARD.

B) SLIP- LIFT AND SET THE SLIPS WITH THE PALM OF THE HANDS UPWARDS; ALWAYS USE CORRECT NUMBER OF CREW MEN TO LIFT AND SET THE SLIPS; NEVER KICK IN THE SLIPS, NEVER LET THE SLIPS SLIDE ON THE PIPE.

C) ELEVATORS- ONLY OPEN AND CLOSE ELEVATORS BY THE HANDLES, NEVER PUT YOUR HANDS ON THE SHOULDER OF THE ELEVATOR, NEVER NEAR THE LINK EYES, NEVER IN THE JAW AREA; DURING TRIPPING FLOOR MEN MUST WATCH ELEVATOR/BLOCKS SO AS NOT TO BE HIT OR TRAPPED; WHEN TRIPPING OUT, POSITION AND CLOSE ELEVATORS BEFORE PUTTING YOUR HAND ON THE SLIPS; WHEN TRIPPING IN LOWER THE SLIPS WITH THE PIPE, MOVE HANDS CLEAR, THEN OPEN ELEVATOR

WATER HAULAGE: WATER SOURCE: NIBN-819

- DAILY NUMBER OF TRIPS = 9 TRIPS; TOTAL NUMBER OF TRIPS = 122 TRIPS.

- DAILY DISTANCE = 28 KM X 9 TRIP = 252 KM; TOTAL DISTANCE = 8904 KM.

- DAILY VOLUME = 288 M3; TOTAL VOLUME = 3904 M3

WASTE CUTTINGS AND WASTE WATER (CUBIC METER) COUNT TO DEPTH: FT RKB

- DAILY WASTE CUTTINGS = 10 M3 WASTE CUTTINGS TOTAL CUMULATIVE = 172 M3

- DAILY WASTE WATER (RIG) = 111.3 M3 WASTE WATER TOTAL CUMULATIVE = 572.4 M3.

- DAILY WASTE WATER (CAMP) = 32 M3 WASTE WATER TOTAL CUMULATIVE = 700 M3.

SERVICE COMPANY:

SCHLUMBERGER MUD LOGGING SERVICES ON LOCATION 2/09/2023 @ 20:00 HRS.

RENTAL TOOLS:

\* RECEIVED 12" SHOCK SUB S/N: ST5-1200-108 ON LOCATION 08/02/2023 AT 12:30

\* RECEIVED COUGAR 8" DRILLING JAR S/N: DJ6-800-447 ON 02/22/2023 AT 15:00

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD	N/S(-)Coordinate			E/W(-)Coordinate			Vertical Sec	DLS
MUD DATA	Weight <b>67</b>	PCF	Funnel Vis. <b>57</b>	SEC	Filtrate(WL) <b>0</b>	HTHP	Filtrate (WL) API	PV <b>10</b>	YP <b>17</b>	Electrical Stability <b>0</b>	Volts	3/6 RPM <b>5 / 8</b>	Gels Sec/Min <b>5 / 9</b>	PH <b>9</b>	CA PPM <b>280</b>	CL PPM <b>52000</b>
	FL Temp <b>90</b>		Cake HTHP <b>0</b>		Cake API <b>1</b>		Water Vol. %	Oil Vol. %	Solids Vol. %		Sand Vol. % <b>0</b>	% LGS <b>0.66</b>	MBT <b>0</b>	Mud type <b>NCPOL</b>	Water Well # <b>TINT-803</b>	
	Weight <b>67</b>	PCF	Funnel Vis. <b>56</b>	SEC	Filtrate(WL) <b>0</b>	HTHP	Filtrate (WL) API	PV <b>10</b>	YP <b>21</b>	Electrical Stability <b>0</b>	Volts	3/6 RPM <b>6 / 10</b>	Gels Sec/Min <b>6 / 10</b>	PH <b>10</b>	CA PPM <b>200</b>	CL PPM <b>50000</b>
	FL Temp <b>95</b>		Cake HTHP <b>0</b>		Cake API <b>1</b>		Water Vol. %	Oil Vol. %	Solids Vol. %		Sand Vol. % <b>0</b>	% LGS <b>0.78</b>	MBT <b>0</b>	Mud type <b>NCPOL</b>	Water Well # <b>TINT-803</b>	
MUD TREATMENT	XC <b>15(50LB)</b>	POLY-SAL	CAUST	SODASH	NACL	MRBL-F	BICB	CITRICACID								
BIT DATA	Bit Number <b>4RR</b>	IADC <b>435</b>	Size <b>17</b>	Manufacturer <b>HTC</b>	Serial Number <b>Z002YT</b>	Type <b>VGAT3C10MH</b>	Jets <b>/ 1 X 16 / 3 X 18 /</b>		TFA <b>0.942</b>	MD In <b>1465</b>	MD Out <b>1519</b>					
	Feet <b>10</b>	Hours <b>70</b>	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM <b>250</b>	Jet Vel <b>350</b>	DP Av <b>119</b>	DC Av <b>32.49</b>	Bit HHP <b>38.13</b>
	Float <b>Y</b>															
	BHA Hrs: <b>148</b>															
	String Wt. <b>110</b>	Pick Up <b>111</b>	Slack Off <b>110</b>	Rot. Torque <b>2000</b>			Jars: Serial #/Hrs			/	Shock Sub: <b>/</b>	Mud Motor: <b>/</b>				
	Order <b>1</b>	Component <b>Bit</b>			Provider <b>HTC</b>	Nominal Size <b>17</b>	# Joints <b>1</b>	OD Size <b>17</b>	ID Size <b>1.4</b>	Length	Top Thread <b>7- 5/8"REG</b>	Bottom Thread	Weight	Grade	Class	Serial # <b>Z002YT</b>

DRILL STRING	2	Near Bit Roller Reamer	RIG	17	1	17		7.07	7-5/8"REG	7-5/8"REG		
	3	Shock Sub	CTC	12	1	12	3	14.7	7-5/8"REG	7 5/8"REG		
	4	Drillcollar	RIG	9.5	1	9.5	3	31	7-5/8"REG	7-5/8"REG		
	5	String Reamer	RIG	17	1	17	3	7.14	7-5/8"REG	7-5/8"REG		
	6	Drillcollar	RIG	9.5	2	9.5	3	61.13	7-5/8"REG	7-5/8"REG		
	7	Crossover	RIG	9.5	1	9.5	3	2.7	6-5/8"REG	7-5/8"REG		
	8	Drillcollar	RIG	8	8	8	2.813	243.99	6-5/8"REG	6-5/8"REG		
	9	Hydro-Mechanical Jar	CTC	8	1	9	2.785	29	6-5/8"REG	6-5/8"REG		DJ6-800-447
	10	Drillcollar	RIG	8	2	8	2.813	61.28	6-5/8"REG	6-5/8"REG		
	11	Crossover	RIG	8	1	8.25	2.875	2.6	4-1/2'IF	6-5/8"REG		
	12	Heavy Weight Drillpipe (HWDP)	RIG	5	6	5	3	182.39	4-1/2'IF	4-1/2'IF		
	13	Drillpipe	RIG	5	1	5		30.33	4-1/2"IF	4-1/2"IF		
Miscellaneous	BOP Test 02/26/2023	BOP Drills 02/26/2023	Wind NORMAL	Sea N/A	Weather SEASONAL	DSLTA	Safety Meeting <b>DAILY PRE TOUR-MEETING</b>					
	Real-Time Data Quality	Sensors Quality	98%	Data Frequency	100%	Real-Time Hrs	10.99/24 hrs					
Personnel and Services Information	COMPANY	GOS	RIG	OES	SGR	RIG	ARM					
	CATEGORY	CTR G	RIG	DFMS	MLS	OTHR	WSC					
	NO. OF PERSONS	13	35	1	2	28	2					Total <b>81</b>
	OPERATING HRS.	0	24	12	12	12	12					
	ON LOCATION HRS.	24	24	24	24	24	24					
Trucks/Boats	Standby/Tankers <b>DH-7512</b>	ZPEC 4X4 AMBULANCE	ZPEC PICK UP	08 WATER TANKERS								
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS <b>177</b>	Fuel- BBLS	Barite- SX	Bentonite - SX	Cement G- SX <b>500</b>						
REPAIR ASAP	Instrumentation	Other										Reporter
	Computer, Communication & V-Sat Issues											

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>KTUF-801 (WATER SUPPLY)</b> Charge #: <b>( - )</b> Wellbores: (0) KTUF_801_0	Rig <b>ZPEC-2</b>	Foreman(s) Engineer Superintendent <b>SUBAIE, SHABEEB ABDULLAH/ DOSSARI, MOHAMMED ABDULLAH/ BAGHDADY, WALEED MOHAMED/ SARRANI, HASSAN FAHAD</b>
		THURAYA <b>+8821677713736</b>	RIG FORMAN VSAT <b>013-5723576</b> OTHER VSAT <b>0135723085</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops		
<b>125</b>	<b>CONT CMT 24" CONDUCTOR,WOC,CUT 24" CSG, N/U 30" DVRT, RIH W/22" BHA, COC</b>	<b>CONT COC, DRLG 22" HOLE SECTION</b>	<b>80 KM BEFORE SHAYBAH CHECK POINT, TURN RIGHT 253 KM SKID ROAD</b>	<b>0.0</b> (02/25/2023@0900)			
Prev. Depth <b>125</b>	Liner Size	TOL	MD TVD	Last Csg Size <b>24</b>	MD <b>125</b> TVD <b>125</b>	Footage <b>0</b>	Circ % <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations			
									Start	End	Start	End				
<b>01.0</b>	<b>0500 - 0600</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>CSG</b>	<b>CMC</b>	<b>CSG</b>	<b>HCM</b>	<b>125</b>	<b>125</b>			<b>CON'T, HALLIBURTON PUMP 60 BBLS OF 85 PCF SPACER AHEAD, HALLIBURTON MIX &amp; PUMP 102 BBL 490 SXS CMT CLASS G 118 PCF, THEN PUMPED 20 BBLS OF 85 PCF SPACER BEHIND FOLLOWED BY 23 BBLS OF MUD TO DISPLACE CEMENT TO 40' ABOVE SHOE, CLOSED VALVE. ** HAD GOOD CMT RETURN AT SURFACE. - D-AIR 3000L = 28 GAL- STABILIZER 434B =170 GAL-LATEX 2000 = 825 GAL- CFR-3= 50 LBS. **SPACER ADDITIVES: D-AIR 3000L = 5 GAL -TUNED SPACER =1450 LBS.</b>			
<b>06.0</b>	<b>0600 - 1200</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>CSG</b>	<b>WOC</b>	<b>CSG</b>	<b>RIG</b>	<b>125</b>	<b>125</b>			<b>WAIT ON CMT. - CLEAN MUD TANKS AND MIX NaCl MUD.</b>			
<b>03.5</b>	<b>1200 - 1530</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>WH</b>	<b>NU</b>	<b>WH</b>	<b>RIG</b>	<b>125</b>	<b>125</b>			<b>HPJSM, CUT 24" CSG LANDING JOINT &amp; L/D SAME, FINAL CUT &amp; DRESS 24" CSG, WELD 30" X 24" WELD NECK FLANGE.</b>			
<b>06.5</b>	<b>1530 - 2200</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>BOP</b>	<b>NU</b>	<b>DVRT</b>	<b>RIG</b>	<b>125</b>	<b>125</b>			<b>HPJSM, N/U 30" X 1M ANNULAR BOP, 30"-1M MUD CROSS, 2 X 7 1/6"-2M HCR &amp; 2 X 8" INVASION LINES FUNCTION TEST-OK.</b>			
<b>02.0</b>	<b>2200 - 0000</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>BOP</b>	<b>NU</b>	<b>BNIP</b>	<b>RIG</b>	<b>125</b>	<b>125</b>			<b>HPJSM, N/U BELL NIPPLE &amp; CONNECT FLOW LINE SAME .</b>			
<b>03.0</b>	<b>0000 - 0300</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>DRLG</b>	<b>LDP</b>	<b>BHA</b>	<b>RIG</b>	<b>125</b>	<b>125</b>	<b>0</b>	<b>89</b>	<b>HPJSM, M/U &amp; RIH W/22' BHA TO TOP OF CEMENT @ 89'</b>			
<b>02.0</b>	<b>0300 - 0500</b>	<b>0</b>	<b>28</b>	<b>N</b>	<b>DRLG</b>	<b>DC</b>	<b>KELLY</b>	<b>RIG</b>	<b>125</b>	<b>125</b>	<b>89</b>	<b>100</b>	<b>COC WITH WATER AND GEL SWEEP TO 115' 10 FT ABOVE 24" CSG SHOE..... ON GOING @ RT</b>			

#### OBJECTIVE:

KTUF-801 WILL BE USED AS A DRILLING WATER SUPPLY WELL SUPPORTING EXPLORATORY CONVENTIONAL WELL KTUF-1

UMER AQUIFER:

- 24" CSG @ +/- 125' RKB
  - 18-5/8" CSG. @ +/- 1005' RKB
  - 13-3/8" CSG. @ +/- 1925' RKB
  - 8-1/2" OPEN HOLE. 3025' RKB
- 

- NEXT LOCATION:

- \* WELL NAME: N/A
  - \* REQUEST DATE: N/A
  - \* LOCATION READINESS: N/A
- 

\*\*NEAREST HOSPITAL FOR EMERGENCY CONTACT,

- SHAYBAH CLINIC PH: 0135788222, (TOTAL: +/- 330KM)

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\*\* ELEVATION FROM RIG FLOOR TO GROUND LEVEL: 25 FT.

\*\* ARAMCOLINK DATA TRANSMISSION SERVICE WILL BE USED FOR THIS WELL TO PICK UP CSG POINTS AND FORMATION TOPS BY RCC TEAM.

\*\* WIRELINE LOGGING AND MUD LOGGING IS REQUIRED FOR THIS WELL

\*\* NO COVERAGE FOR RADIO CHECK & CONDUCTED A DAILY PHONE COMMUNICATION CHECK WITH DAHRAN DRILLING ECC. OK.

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\*RIG LOCATION: 80 KM BEFORE SHAYBAH CHECK POINT, TURN RIGHT 250 KM SKID ROAD, (FOLLOW RIG SIGN BOARD)

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JOURNEY MANAGEMENT PLAN:

CALL ZPEC-2 OFFICE AT 013-5723576 PRIOR TO TURNING ON SKID ROAD, NO SIGNAL FROM THAT POINT, PROVIDE - NAME OF COMPANY, NUMBER OF PERSONNEL, COLOR OF VEHICLE AND EMERGENCY CONTACT NUMBER OF BASE PERSONNEL, ALL VEHICLES SHOULD HAVE A SUPPLY OF DRINKING WATER.

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## SAFETY DISCUSS:HAZARDOUS COMMUNICATION AND NIPPLE UP BOP

**DRILLS: NONE**

**STOP CARDS: 5**

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### **RENTAL TOOLS:**

\* RECEIVED 12" SHOCK SUB S/N: ST5-1200-127 ON LOCATION 23/02/2023 AT 16:00.

- 1ST RUN: P/U ON 02/25/23@ 11:00AM. L/D ON 02/25/2023 @ 23:00

- 2ND RUN: P/U ON 02/27/2023 @ 02:30

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### **SERVICE COMPANY:**

\* OES MUD ENGINNER.

\* HALLIBURTON CMT CREW AND UNIT ON LOCATION 02/24/2023 @ 09:00 HR'S.

\* HAL MUD LOGGER CREW AND UNIT ON LOCATION 02/25/2023 AT 14:00

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### **ARAMCO:**

"DE HELD A PRE-SPUD MEETING AND STUCK PIPE AWARNESS WITH RIG FOREMEN ON 2/26/2023"

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### **ZPEC TANKERS, HEAVY EQUIPMENT & VEHICLES ON LOCATION:**

\* 8 RAW WATER TANKERS

\* 1 ZPEC 4X4 AMBULANCE CAR.

\* 1 ZPEC PICK-UP CAR.

\* 2 X SWEET WATER TANKER

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### **\* WATER HAULAGE ZPEC TANKERS:**

- WATER SOURCE: RIG PA-866S WATER PIT. STRAIGHT DISTANCE = 113.5 KM. ROUND TRIP 227 KM.

- DAILY NUMBER OF TRIPS =7 TRIPS; TOTAL NUMBER OF TRIPS = 17 TRIPS.

- DAILY DISTANCE =7 X (2 X 113.5) =1589 KM; TOTAL DISTANCE =3859 KM.

- DAILY VOLUME =58800 GAL; TOTAL VOLUME =142800GAL

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\* SWEET WATER FOR CMT JOB: DAILY TRIP= 0.85 (TOTAL TRIPS=0.85) (27 M3).

=====

\* SWEET WATER: NUMBER OF TRIP= 1 (TOTAL TRIPS=6)

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### **WASTE MANAGEMENT KPI:**

- DRILLING WASTE CUTTINGS: DAILY=0M3/ TOTAL=10.28 M3

- DRILLING WASTE FLUIDS: DAILY= 0 M3 / TOTAL= 16 M3

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### **MUD PIT RECYCLED WATER VOLUME (M3):**

- DAILY: RECYCLED WATER VOLUME: 0 M3.

- TOTAL: RECYCLED WATER VOLUME:0 M3.

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### **VACUUM TANKERS:**

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength		TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec	DLS	
MUD DATA	Weight <b>66</b> PCF	Funnel Vis. <b>60</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>15</b>	YP <b>28</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>9 / 10</b>	Gels Sec/Min <b>16 / 25</b>	PH <b>9.5</b>	CA PPM <b>300</b>	CL PPM <b>5000</b>			
	FL Temp <b>85</b>	Cake HTHP <b>0</b>	Cake API <b>3</b>	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. % <b>0</b>	% LGS <b>4</b>	MBT <b>25</b>	Mud type <b>SPUD</b>	Water Well # <b>KTUF-802</b>				
	Weight <b>66</b> PCF	Funnel Vis. <b>60</b> SEC	Filtrate(WL) <b>0</b> HTHP	Filtrate (WL) API	PV <b>15</b>	YP <b>28</b>	Electrical Stability <b>0</b> Volts	3/6 RPM <b>9 / 10</b>	Gels Sec/Min <b>16 / 25</b>	PH <b>9.5</b>	CA PPM <b>300</b>	CL PPM <b>5000</b>			
	FL Temp <b>85</b>	Cake HTHP <b>0</b>	Cake API <b>3</b>	Water Vol. %	Oil Vol. %	Solids Vol. %	Sand Vol. % <b>0</b>	% LGS <b>4</b>	MBT <b>25</b>	Mud type <b>SPUD</b>	Water Well # <b>KTUF-802</b>				
MUD TREATMENT	<b>BARITE 4(5000L)</b>														
BIT DATA	Bit Number	IADC	Size	Manufacturer	Serial Number	Type	Jets		TFA	MD In	MD Out	TVD Out			
	<b>2RR</b>	<b>435</b>	<b>22</b>	<b>SMT</b>	<b>RV0267</b>	<b>GSI12</b>	<b>/ 3 X 14 / 3 X 18 /</b>		<b>1.197</b>	<b>125</b>	<b>125</b>				
	Feet	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Pressure	GPM	Jet Vel	DP Av	DC Av
									<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
	Float	<b>Y</b>													
	BHA Hrs:														
	String Wt.	Pick Up	Slack Off		Rot. Torque			Jars: Serial #/Hrs			/	Shock Sub:	/ <b>48</b>	Mud Motor:	/

DRILL STRING	Order	Component		Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #				
	1	Bit		SMT	22	1	22		1.89	7 5/8" REG					RV0267				
	2	Near Bit Roller Reamer		RIG	22	1	22	3	8.03	7 5/8" REG	7 5/8" REG								
	3	Shock Sub		CTC	12	1	12	3	15.22	7 5/8" REG	7 5/8" REG				ST-1200-001				
	4	Drillcollar		RIG	9.5	1	9.5	3	30.22	7 5/8" REG	7 5/8" REG								
	5	String Reamer		RIG	22	1	22	3	8.08	7 5/8" REG	7 5/8" REG								
	6	Drillcollar		RIG	9.5	2	9.5	3	60.71	7 5/8" REG	7 5/8" REG								
	7	Crossover		RIG	9.5	1	9.5	2.875	2.47	6 5/8" REG	7 5/8" REG								
	8	Drillcollar		RIG	8	15	8.5	2.875	460.28	6 5/8" REG	6 5/8" REG								
	9	Crossover		RIG	8.25	1	8.25	2.875	2.6	4.5" IF	6 5/8" REG								
	10	Heavy Weight Drillpipe (HWDP)		RIG	5	6	5	3.125	182.53	4.5" IF	4.5" IF								
	11	Drillpipe		RIG	5	8	5	4.3	251.48	4.5" IF	4.5" IF								
Miscellaneous	BOP Test	BOP Drills		Wind CALM	Sea N/A	Weather HOT		DSLTA	Safety Meeting <b>PRE-TOUR SAFETY MEETING</b>										
	Real-Time Data Quality		Sensors Quality			100%	Data Frequency		100%	Real-Time Hrs		11.49/24 hrs							
Personnel and Services Information	COMPANY		RZT	RIG	OES	HMS	RIG	HCM	ARM	Total <b>78</b>									
	CATEGORY		CTR G	RIG	DFMS	MLS	OTHR	PCS	WSC										
	NO. OF PERSONS		13	47	1	2	11	2	2										
	OPERATING HRS.		0	24	12	1	12	1	12										
	ON LOCATION HRS.		24	24	24	24	24	24	24										
Trucks/Boats	Standby/Tankers																		
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS <b>227</b>		Barite- SX	Bentonite - SX	Cement G- SX	<b>1700</b>											
REPAIR ASAP	Instrumentation		Other Computer, Communication & V-Sat Issues												Reporter				

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Date <b>MONDAY 02/27/2023</b>	Well No (Type) : <b>BRRI-237 (ELIMINATE HIGH TCA PRESSURE &amp; REPLACE DAMAGED TUBING)</b> Charge #: <b>(61- 22025- 0237)</b> Wellbores: (0) BRRI_237_0	Rig <b>ZPEC-3</b> Foreman(s) Engineer Superintendent	<b>DOBINSKI, STEFAN BERN/ ALGAAFRAY, AMR MUHAMMAD/ MOQATI, FAHAD GHAZI/ AKBAR, HUSSAIN QASSIM</b>
		RIG FORMAN VSAT <b>6792207</b>	CONTRACTOR/CLERK VSAT <b>6792208</b>

Depth	Last 24 hr operations	Next 24 hr plan	Location	Days Since Spud/Comm (Date)	Formation tops
<b>5776</b>	<b>RIH MILLING ASSY, MILL OUT CEMENT &amp; TTBP, POOH</b>	<b>POOH, RUN CLEAN OUT ASSY TO TD, CHC, POOH, RUN RBP</b>	<b>132 KM FROM DHRN MAIN GATE, N-3010517.37, E-360392.01; ZONE: 39 (INSIDE BRRI CAUSEWAY)</b>	<b>13.5 (02/13/2023@1600)</b>	
Prev. Depth <b>9595</b>	Liner Size <b>4 1/2</b>	TOL <b>5702</b>	MD <b>9593</b>	TVD <b>8820</b>	Last Csg Size <b>7</b> MD <b>9288</b> TVD <b>8685</b> Footage <b>-3819</b> Circ % <b>100</b>

Hrs	(From - To)	Lateral	Hole size	Cat.	Major OP	Action	Object	Resp. Co	Hole depth		Event depth		Summary of Operations
									Start	End	Start	End	
<b>02.0</b>	<b>0500 - 0700</b>	<b>0</b>		<b>N</b>	<b>MILL</b>	<b>HT</b>	<b>BHA</b>	<b>RIG</b>	<b>9595</b>	<b>9595</b>			<b>M/U BUMPER SUB, JARS &amp; 7" STRING MAGENT ASSY.</b>
<b>07.0</b>	<b>0700 - 1400</b>	<b>0</b>		<b>N</b>	<b>MILL</b>	<b>TI</b>	<b>STDP</b>	<b>RIG</b>	<b>9595</b>	<b>9595</b>	<b>0</b>	<b>5700</b>	<b>RIH WITH 3-7/8" HOLLOW MILL ASSY ON 4" DP TO TOL AT 5700'. &gt;&gt; MONITOR DISPLACEMENT &gt;&gt; FILL, BREAK CIRC &amp; FLUSH DP EVERY 20 STANDS</b>
<b>02.0</b>	<b>1400 - 1600</b>	<b>0</b>		<b>N</b>	<b>MILL</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>9595</b>	<b>9595</b>			<b>CUMULATIVE TIME FOR FILL &amp; FLUSH DP</b>
<b>01.5</b>	<b>1600 - 1730</b>	<b>0</b>		<b>N</b>	<b>MILL</b>	<b>CIRC</b>	<b>MPMP</b>	<b>RIG</b>	<b>9595</b>	<b>9595</b>			<b>M/U TDS, BREAK CIRCULATION &amp; CIRCULATE HOLE CLEAN AT TOL. RECORD STRING PARAMETERS &amp; WORK MILL THROUGH PBR / TOL. FLOW CHECK - WELL STATIC.</b>
<b>03.2</b>	<b>1730 - 2045</b>	<b>0</b>		<b>N</b>	<b>MILL</b>	<b>OTH</b>	<b>NA</b>	<b>RIG</b>	<b>9595</b>	<b>9595</b>			<b>P/U DP JOINTS &amp; M/U TDS WHILE RIH TO TAG TOP OF CEMENT AT ABOVE TTBP (5800' REPORTED DEPTH FROM RIGLESS OPERATIONS 10/04/2015). NO TAG FOUND. CONTINUE RIH SLOWLY WITH CIRCULATION TO 5195' - 139' PAST REPORTED TOG TOC ABOVE MTTBP SETTING DEPTH.</b>
<b>02.0</b>	<b>2045 - 2245</b>	<b>0</b>		<b>N</b>	<b>MILL</b>	<b>MILL</b>	<b>MILL</b>	<b>RIG</b>	<b>9595</b>	<b>9595</b>	<b>5776</b>	<b>5801</b>	<b>CIRCULATE WELL WITH 75 PCF CACL2 BRINE. FLOW CHECK - WELL STATIC.</b>
<b>03.8</b>	<b>2245 - 0230</b>	<b>0</b>		<b>N</b>	<b>MILL</b>	<b>MILL</b>	<b>MILL</b>	<b>RIG</b>	<b>9595</b>	<b>9595</b>	<b>5195</b>	<b>5940</b>	<b>START MILLING CEMENT / TTBP AT 5915' UNTIL DROP AT 5940'. BULLHEAD CASING WITH 300 BBL 75 PCF CACL2 BRINE. FLOW CEHCK - WELL ON TOTAL LOSSES. CHASE PLUG DOWN TO 6050. NO TAG.</b>
<b>02.5</b>	<b>0230 - 0500</b>	<b>0</b>		<b>N</b>	<b>MILL</b>	<b>TO</b>	<b>STDP</b>	<b>RIG</b>	<b>9595</b>	<b>9595</b>	<b>6050</b>	<b>3500</b>	<b>POOH WITH HOLLOW MILL ASSY. &gt;&gt; CONTINUOUSLY FILL UP TCA WITH 60 BPH OF 75 PCF CACL BRINE.</b>

#### ARAMCO POB

>> RIG CLERK SIDDIKI MOULANA # 8518454 IS ON LOCATION SINCE 2 JAN, 2023.  
 >> MATERIAL EXPEDITOR YOUSEF ALHUSSAIN #8501320 ON LOCATION SINCE FEB 13, 2023  
 >> MATERIAL EXPEDITOR ADWAN ALSHAMMARI #8509385 ON LOCATION SINCE FEB 20, 2023  
 >> NAWOD HSE ADVISOR DIMITRIY FROL #8541868 ON LOC FOR HSE SUPPORT

#### -----ERP EQUIPMENT & CONTINGENCY PLAN-----

>> 55 SEAT BUS AT RIG SITE FOR EMERGENCY EVACUATION. (CHECKED DAILY)  
 >> 25 SEAT BUS 24 HRS RIG FOR EMERGENCY EVACUATION. (CHECKED DAILY)  
 >> RAWABI STAND ALONE H2S / LEL PERIMETER MONITORING SYSTEM ACTIVE SINCE FEB 12, 2023

#### -----SAFETY DATA-----

>> DRILLS PERFORMED: TRIP  
 >> OBSERVATIONS SUBMITTED:

#### -----DIESEL CONSUMPTION-----

>> DAILY RIG CONSUMPTION: 21 BBL  
 >> DAILY MAIN CAMP DIESEL CONSUMPTION: 5 BBL  
 >> TOTAL DAILY RIG DIESEL CONSUMPTION: 26 BBL  
 >> CUMULATIVE MONTHLY DIESEL CONSUMPTION FEB 2023: 450 BBLS

#### -----NEXT LOCATION READINESS-----

>> BRRI-236 - STRIP OUT: 100%, WELLSITE: 100%

>> BRRI-213 - STRIP OUT: 100%, WELLSITE: 100%

>> BRRI-305 - STRIP OUT: 100%, WELLSITE: 0%

-----HAULING TRUCKS SUPPLY ON LOCATION-----

>> AL ASKAR RAW WATER TANKER #1820 & #1742 ON LOCATION.

Remarks

Lateral	Survey MD		Angle	Azimuth		CLength	TVD	N/S(-)Coordinate		E/W(-)Coordinate		Vertical Sec		DLS
MUD DATA	Weight 81 PCF	Funnel Vis. 50 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 0	YP 0	Electrical Stability 0 Volts	3/6 RPM 0 / 0	Gels Sec/Min 0 / 0	PH 9.5	CA PPM 0	CL PPM 250300		
	FL Temp 0	Cake HTHP 0	Cake API 0	Water Vol.% 99	Oil Vol.% 0	Solids Vol.% 1	Sand Vol.% 0	% LGS 0	MBT 0	Mud type CACL	Water Well # SEA			
	Weight 81 PCF	Funnel Vis. 50 SEC	Filtrate(WL) 0 HTHP	Filtrate (WL) API	PV 0	YP 0	Electrical Stability 0 Volts	3/6 RPM 0 / 0	Gels Sec/Min 0 / 0	PH 9.5	CA PPM 0	CL PPM 250300		
	FL Temp 0	Cake HTHP 0	Cake API 0	Water Vol.% 99	Oil Vol.% 0	Solids Vol.% 1	Sand Vol.% 0	% LGS 0	MBT 0	Mud type CACL	Water Well # SEA			
MUD TREATMENT	CACL2-80 17(2200L)	DUOVIS-NS 3(50LB)												
BIT DATA														
DRILL STRING	Order	Component	Provider	Nominal Size	# Joints	OD Size	ID Size	Length	Top Thread	Bottom Thread	Weight	Grade	Class	Serial #
Miscellaneous	BOP Test 02/16/2023	BOP Drills	Wind SEASONAL	Sea N/A	Weather SEASONAL	DSLTA	Safety Meeting PRE-TOUR / AS REQUIRED							
	Real-Time Data Quality							No Transmission						
Personnel and Services Information	COMPANY		GOS	RIG	OES	ASH	RUE	ARM	ARM	HTS				Total 82
	CATEGORY		CTR G	RIG	DFMS	FLD	H2S	OTHR	WSC	WTSE				
	NO. OF PERSONS		12	57	1	2	3	4	2	1				
	OPERATING HRS.		0	12	12	12	12	12	24	0				
	ON LOCATION HRS.		24	24	24	24	24	24	24	24				
Trucks/Boats	Standby/Tankers AB-5548	ZPEC MTC	EMERGENCY ESCAPE BUSSES (2)											
BULK	Drill Wtr.-BBLS	Pot Wtr.- BBLS	Fuel- BBLS	Barite- SX 8	Bentonite - SX	Cement G- SX 220								
REPAIR ASAP	Instrumentation	Other												Reporter
	Computer, Communication & V-Sat Issues													

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