

### Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
23/08/2023	17:00 - 00:00	7.00	SURF	DRILL	RIG	P			ACCEPT RIG AT 17:00 - **BEGIN DON EVENT**  - CONTINUE TO P/U AND RACK BACK 5" 25.6# G3 DP (35 STAND ). - P/U, M/U & RACK BACK 5 STANDS OF 5" HWDP. - R/D AIR SLIPS. - PICK UP LIFTING SUB, P/U, M/U & RACK BACK 1 STAND OF 8.1/4" DC. - PU, MU & RB 4X DRILLABLE DCS STANDS ( 2X8.1/4" DCS + XO + 1X 5" HWDP)  OFFLINE: - HOLD PRE-SPUD MEETING WITH DAY CREW. - CREW CHANGE AT 20:00 HRS. - MIX SPUD MUD - CONTINUE TO CLOSE OUT PRE-SPUD CHECKLIST - PT GROUND AND STAND PIPE MANIFOLDS VALVES AS PER ABRAJ PROCEDURES .
24/08/2023	00:00 - 03:30	3.50	PRE	DRILL	RIG	P			- R/U AIR SLIPS. - CONT, P/U AND RACK BACK 5" 25.6" G3 DP ( TOTAL 50 STANDS).  OFFLINE: - HOLD PRE-SPUD MEETING WITH NIGHT CREW AND 3RD PARTY - CONT. MIXING SPUD MUD - PREPARE & STRAP ALL 24" BHA COMPONENTS - WORK ON BOP / ANNULAR MPI.
24/08/2023	03:30 - 05:00	1.50	PRE	DRILL	RIG	P			PJSM AND TBT, - PT STAND PIPE MANIFOLDS VALVES AS PER ABRAJ PROCEDURES .
24/08/2023	05:00 - 13:15	8.25	PRE	DRILL	RIG	P			-P/U AND RACK BACK 5" 19.5# G2 DP (TOTAL 20 STANDS ).
24/08/2023	13:15 - 13:45	0.50	SURF	DRILL	RIG	P			PJSM FOR PU & MU 24" BHA AND DRILLING 24" HOLE SECTION
24/08/2023	13:45 - 16:15	2.50	SURF	DRILL	RIG	P			- PREPARE FOR BHA HANDLING. - PU 24" KYMERA BIT (SN/ 5308152) - PU BIT BREAKER - M/U 24" KYMERA BIT WITH BIT SUB & 12" SHOCK SUB, 9 1/2" DC AND XO - MAKE UP ABOVE WITH DRILLABLE STAND FROM DERRICK. - CONNECT TDS - STAGE UP PUMPS TO 450 GPM - TAG BOTTOM AT 14 M

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24/08/2023	16:15 - 22:15	6.00	SURF	DRILL	RIG	P			*** SPUD IN KZN-377 AT 24/08/2023 16:15 HRS DRILL 24" HOLE FROM 14 M TO 42 M LIMITING ROP TO 5 M/HR WITH FOLLOWING PARAMETERS: - WOB: 2-20 KLBS - RPM: 60-70 RPM - SPP: 250-260 PSI - FLOW RATE: 450 GPM
24/08/2023	22:15 - 00:00	1.75	SURF	DRILL	RIG	P			POOH AND RACKBACK TWICE DC DRILLABLE STAND WITH XO. PU, MU AND RIH WITH : - 23 15/16" STRING STABILIZER - 9.1/2" DC - 23 15/16" STRING STABILIZER
25/08/2023	00:00 - 00:30	0.50	SURF	DRILL	RIG	P			COMP. MU AND RIH WITH : - 23 15/16" STRING STABILIZER - 9.1/2" DC - 23 15/16" STRING STABILIZER
25/08/2023	00:30 - 06:00	5.50	SURF	DRILL	RIG	P			CONT. DRILLING 24" SECTION WITH ROTARY BHA FROM 44 M TO 96 M FOLLOWING RECOMMENDED DRILLING PARAMETERS. - RPM : 60-100 - TORQUE : 1400-5800 FT.IBS - WOB : 5-20 KIBS - FLOW RATE : 550-750 GPM - SPP: 430-940 PSI  NOTES: - NO LOSSES / NO FLOW OBSERVED - PUMP 50 BBLs HV SWEEPS ON LAST SINGLE OF EVERY STAND DRILLED. - NO OVERPULL WAS OBSERVED BEFORE/AFTER MAKING ANY CONNECTION - RETURN TAKEN FROM CELLAR. - AT 60 M STAGE UP FR TO 750 GPM, AT 80M STAGE UP RPM TO 100 RPM,
25/08/2023	06:00 - 06:15	0.25	SURF	DRILL	RIG	P			- FLOW CHECK THE WELL ( WIHTOUT THE RISER) -STATIC. - CLOSE THE RISER VALVE AND TAKE RETURNS THROUGH SHALE SHAKERS.

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25/08/2023	06:15 - 00:00	17.75	SURF	DRILL	RIG	P			<p>RESUME DRILLING 24" HOLE FROM 96 M TO 358 M WITH FOLLOWING PARAMETERS.</p> <p>FR 1000 GPM , SPP 2000-2350 PSI WOB 20-40 KLBS , RPM 80-100 , TRQ 3-10KFT.LBS</p> <p>AVG ROP 18.12 M/HR.</p> <p>- NO LOSSES OR SWF.</p> <p>- PUMP HIVIS PILL SWEEP EVERY STAND TO IMPROVE HOLE CLEANING.</p> <p>- AT 333M OBSERVED LOSSES(180-200 BPH) STOPPED AFTER DRILLING TO 339M.</p> <p>- MIXING 120 BBL 80 PPB STOPPIT PILL AS PER LCM DECISION TREE</p> <p>- MW: 1.15 SG</p> <p>NOTE:</p> <p>- AT 20:00 TBT AND CREW SHIFT HANDOVER</p>
26/08/2023	00:00 - 14:15	14.25	SURF	DRILL	RIG	P			<p>CONT. DRILLING 24" HOLE FROM 358 M TO 568 M (SECTION TD) WITH FOLLOWING PARAMETERS.</p> <p>FR 1000 GPM , SPP 2350-2630 PSI WOB 25-40 KLBS , RPM 110-130 , TRQ 6-12 KFT.LBS</p> <p>AVG ROP 18.13 M/HR.</p> <p>- NO LOSSES OR SWF.</p> <p>- PUMP HI-VIS PILL SWEEP EVERY STAND TO IMPROVE HOLE CLEANING.</p> <p>- MW: 1.16 -1.22 SG AT SECTION TD.</p> <p>- ARADA TOP AT 460 M.</p> <p>OFFLINE:</p> <p>- PREPARE 18-5/8" CSG. INSTALL CENTERLISERS.</p> <p>- PREPARE BOP FOR STUMP TEST.</p> <p>- RU CEMENT UNIT/ HARD LINE.</p>
26/08/2023	14:15 - 15:15	1.00	SURF	DRILL	RIG	P			<p>PUMP 100 BBLS HI-VIS SWEEP AND CIRC TELL SHAKERS CLEAN WITH 1000 GPM, 2600 PSI</p> <p>- 20 BBLS DOWN HOLE LOSSES OBSERVED WHILE CIRCULATION.</p> <p>- MUD IN/OUT ≈1.22 SG</p>
26/08/2023	15:15 - 15:30	0.25	SURF	DRILL	RIG	P			<p>FLOW CHECK WITHOUT RISER MARGIN -- NO FLOW.</p> <p>MEANWHILE: TBT FOR POOH</p>
26/08/2023	15:30 - 16:15	0.75	SURF	DRILL	RIG	P			<p>- POOH ON ELEVATOR WITH 24" BHA FROM 568 M TO 400 M.</p> <p>- MONITOR WELL THROUGH TRIP TANK.</p>
26/08/2023	16:15 - 16:30	0.25	SURF	DRILL	RIG	P			<p>-SPOT 80 BBL OF LCM ACROSS LOSSES ZONE.</p>

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26/08/2023	16:30 - 17:30	1.00	SURF	DRILL	RIG	P			-CONT. POH ON ELEVATOR WITH 24" BHA FROM 400 M TO 285 M. - MONITOR WELL THROUGH TRIP TANK.  -HAD 2 CONNECTIONES WITH OVERTORQUE CONNECTION AND BRAKE THE SAME USING THE MANUAL TONG.
26/08/2023	17:30 - 17:45	0.25	SURF	DRILL	RIG	P			FLOW CHECK WITHOUT RISER MARGIN -- NO FLOW.
26/08/2023	17:45 - 18:15	0.50	SURF	DRILL	RIG	P			CONT. POOH ON ELEVATOR WITH 24" BHA FROM 285 M TO 142 M. - MONITOR WELL THROUGH TRIP TANK.
26/08/2023	18:15 - 18:45	0.50	SURF	DRILL	RIG	P			- FLOW CHECK WELL WITHOUT THE RISER AT TOP OF FIRST DRILL COLLAR STAND. - OBSERVE LOSSES 22 BBL/HR.
26/08/2023	18:45 - 20:00	1.25	SURF	DRILL	RIG	P			CONT. POOH ON ELEVATOR WITH 24" BHA AND R/B 8.1/4" DC FROM 142 M TO 30 M.
26/08/2023	20:00 - 20:15	0.25	SURF	DRILL	RIG	P			CREW CHANGE AND HANDOVER.
26/08/2023	20:15 - 23:00	2.75	SURF	DRILL	RIG	P			- CONT. POOH ON ELEVATOR WITH 24" BHA R/B 8.1/4" DC STD AND L/D REMAINING BHA ITEMS FROM 30 M TO SURFACE. - TOP STAB & LOWER WERE IN GAUGE, 60% BALLED UP. - LAY DOWN 2X 9 1/2" DC. - LAY DOWN SHOCK SUB - LAY DOWN BIT SUB - LAY DOWN BIT, 100% BALLED UP  NOTE: BIT DULL GRADING: 1-1-SS-A-1-I-BU-TD  - MONITOR WELL ON TRIP TANK, STATIC LOSSES 20 BBLS/HR.
26/08/2023	23:00 - 23:15	0.25	SURF	DRILL	RIG	P			TOFS, CLEAN AND CLEAR RIG FLOOR.
26/08/2023	23:15 - 23:30	0.25	SURF	DRILL	RIG	P			HOLD TBT/PJSM FOR REMOVING THE RAISER.
26/08/2023	23:30 - 00:00	0.50	SURF	DRILL	RIG	P			- DRAIN RISER - COMMENCE DISCONNECTING FLOW LINE FROM RISER - MAINTAIN HOLE FULL TILL DISCONNECT RISER.
27/08/2023	00:00 - 02:00	2.00	SURF	DRILL	RIG	P			- DISCONNECT FLOW LINE FROM RAISER - REMOVE MOUSE HOLE - PULL RISER & LAY DOWN SAME. - R/U 20" MASTER BUSHING. - MAINTAIN FULL HOLE TILL DISCONNECT RISER. RUN TT ON CELLAR AFTER RISER DISCONNECTED. .

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27/08/2023	02:00 - 03:30	1.50	SURF	CASING	RIG	P			TBT R/U FRANKS TRS 18 5/8" CSG HANDLING EQUIPMENTS. INSPECT SAME. - RIG UP SDE - RIG UP BOWL, SLIPS LIFTER, SLIPS AND CONTROL PANEL. - RIG UP POWER TONG.  NOTE: - MONITOR CELLAR AND MAINTAIN HOLE FULL
27/08/2023	03:30 - 03:45	0.25	SURF	CASING	RIG	P			PJSM FOR 18.5/8" CASING RUNNING.
27/08/2023	03:45 - 13:30	9.75	SURF	CASING	RIG	P			RIH WITH 18 5/8" CSG (R3 K-55 87.5# BTC ) FROM SURFACE TO 540 M.  - FUNCTION TEST FLOAT SHOE. - BAKER LOCK THE FIRST TWO CONNECTIONS. - USE BACK-UP TONGS AND SAFETY CALMP FOR FIRST JOINTS. - FILL UP CASING EVERY JOINT WHILE RIH THROUGH TDS. - MU JTS TO MU DIAMOND. - MONITOR WELL ON CELLAR, STATIC LOSSES 6-10 B/HR. - TOTAL JTS RUN FS JT + 41 OF 42 JTS.  NOTE: - AT 8:00 TBT AND CREW SHIFT HANDOVER.
27/08/2023	13:30 - 14:00	0.50	SURF	CASING	RIG	P			- RIG DOWN FRANKS SLIP LIFTER. - REMOVE CASING BUSHING TO ALLOW MODIFIED CENTRALIZER TO PASS THOUGH ROTARY.
27/08/2023	14:00 - 14:45	0.75	SURF	CASING	RIG	P			- P/U LAST JOINT CSG WITH MODIFIED CENTRALIZER - INSTALL CASING BUSHING AND PLACE STRING IN MANUAL SLIPS. - CHANGE OUT ELEVATOR TO 5" DP ELEVATOR.
27/08/2023	14:45 - 15:15	0.50	SURF	CASING	RIG	P			MU 18.5/8" WATER BUSHING TO HWDP STAND THEN MU STAND TO LAST CASING JOINT #42.
27/08/2023	15:15 - 16:15	1.00	SURF	CASING	RIG	P			- RIH AND WASH DOWN WITH 200 GPM, 50 PSI PRESSURE. - PLACE WATER BUSHING ABOUT 0.5 M ABOVE CELLAR FLOOR - INSTALL ANT TIGHT BASE CLAMP - LANDED OFF CASING ON BASE CLAMP - 18.5/8" CSG SHOE AT 564.7 M
27/08/2023	16:15 - 16:30	0.25	SURF	CASING	RIG	P			FILL UP CASING & BREAK CIRCULATION
27/08/2023	16:30 - 17:15	0.75	SURF	CASING	RIG	P			- B/O WATER BUSHING AND L/D. - RACK BACK HWDP STAND. - INSTALL 26" MASTER BUSHING

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Site: KZN-377

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27/08/2023	17:15 - 20:00	2.75	SURF	CEMT	RIG	P			<ul style="list-style-type: none"> <li>- TBT</li> <li>- M/U STING-IN SUB WITH 5" DP G3 STD</li> <li>- INSTALL PIPE CENTERLIZER AND SECURE SAME.</li> <li>- RIH INNER STRING TO 563 M</li> <li>- TAG SHOE STING-IN AT 564.17 M</li> <li>- M/U SURFACE LINE WITH FOSV+ SES+ FOSV+PUP.</li> <li>- STING IN AND SET 20 KLBS ON STINGER.</li> </ul>
27/08/2023	20:00 - 20:45	0.75	SURF	CEMT	RIG	P			<ul style="list-style-type: none"> <li>- CIRCULATE AND CONDITION HOLE WITH 200 GPM, 60 PSI.</li> </ul> <p>OFFLINE:</p> <ul style="list-style-type: none"> <li>- CONDUCT PJSM PRIOR TO PERFORM CMT JOB.</li> <li>- PREPARE PVC PIPES FOR TOP FILL JOB.</li> </ul>
27/08/2023	20:45 - 21:00	0.25	SURF	CEMT	RIG	P			<ul style="list-style-type: none"> <li>- FLUSH SURFACE LINES.</li> <li>- PRESSURE TEST CEMENT LINES 300/2000 PSI H FOR 5/ 5 MIN.</li> <li>- rig LINE UP TO CMT UNIT, CLOSE UPPER FOSV AND APPLY 500 PSI ON TDS.</li> </ul>
27/08/2023	21:00 - 23:30	2.50	SURF	CEMT	RIG	P			<p>PERFROM 18-5/8" CEMENT AS FOLLOW:</p> <ul style="list-style-type: none"> <li>- MIX AND PUMP 362 BBL OF LEAD SLURRY (1.43 SG) WITH FR: 5-6 BBL/MIN,</li> <li>- MIX AND PUMP 151 BBL OF TAIL SLURRY (1.67 SG) WITH FR: 4-5 BPM</li> <li>- CEMENT RETURN TO CELLAR AFTER PUMPING 20 BBLS OF TAIL CMT.</li> <li>- DISPLACE CMT WITH 5 BBLS MIX WATER FOLLOWED BY 17.8 BBLS 1.22 SG MUD. (5 BBLS UNDER DISPLACEMENT)</li> <li>- BLED BACK 0 BBLS RETURNED - CHECK FLOAT HOLDING.</li> <li>- CEMENT IN PLACE AT 23:30 hrs..</li> </ul>
27/08/2023	23:30 - 00:00	0.50	SURF	CEMT	RIG	P			<ul style="list-style-type: none"> <li>- BREAK OUT CEMENT LINES FROM SIDE ENTRY SUB.</li> <li>- STING OUT CEMENT STRINGER AND LD CEMENT ASSEMBLY</li> <li>- LOAD FOAM BALL INTO DRILL PIPE STRING. POOH UP WITH FULL STAND.</li> <li>- CIRCULATE 120% STRING VOLUME, 850-900 GPM.</li> <li>- POOH AND RACK BACK 1 STAND</li> </ul> <p>MEANWHILE, LEVEL IN CELLAR WAS DROPPING, FILL UP WITH 1.22 SG MUD.</p>

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28/08/2023	00:00 - 01:15	1.25	SURF	CEMT	RIG	P			<b>** CEMENT TOP FILL JOB #1 **</b> - IMMEDIATELY SWITCH TO CELLAR FOR TOP FILL - PUMPED 1000 LTR OF ECONOLITE - POOH PVC PIPE FOR ECONOLITE TO SURFACE. - PUMP CEMENT WITH GOOD RETURNS.START SEEN CEMENT AT CELLAR AFTER~ 10 BBL PUMPED, CONT PUMP CEMENT TILL TOTAL OF 40 BBLS - PULL PVC PIPE. - CLEAN AND CLEAR CEMENT FROM CELLAR. FILL CELLAR AND KEPT WATCHING THE LEVEL - OBSERVE DROP IN CEMENT LEVEL FILL UP WITH 1.22 SG MUD.
28/08/2023	01:15 - 02:00	0.75	SURF	CEMT	RIG	P			WAIT ON CEMENT. KEPT FILLING CELLAR WITH 1.22 SG MUD. OBSERVE MUD LEVEL IN CELLAR DROP.  <b>MEANWHILE:</b> - RD CEMENT LINES AND POOH & RACKBACK REMAINING 5" DP STANDS. - CHECK TOC OBSERVED AT +/- 4M DEEP INSIDE BELOW CELLAR.
28/08/2023	02:00 - 03:00	1.00	SURF	CEMT	RIG	P			<b>** CEMENT TOP FILL JOB #2 **</b> - RUN 2X CEMENT PVC PIPES TO 4 M BELOW CELLAR. - PUMP CEMENT WITH GOOD RETURNS.START SEEN CEMENT AT CELLAR AFTER 8 BBL PUMPED ,CONT PUMP CEMENT TILL TOTAL OF 20 BBLS. - CLEAN AND CLEAR CEMENT FROM CELLAR. WATCHING THE LEVEL - STATIC AT BASE CLAMP.
28/08/2023	03:00 - 03:30	0.50	SURF	CEMT	RIG	P			WOC, KEEP MONITOR MUD LEVEL AT CELLAR- STATIC.  <b>MEANWHILE:</b> - CLEAR RIG FLOOR. - TBT AND ARRANGE 20" RISER.
28/08/2023	03:30 - 05:30	2.00	SURF	RIGU	RIG	P			- REMOVE MASTER BUSHING. - R/U 20" RISER , ENERGISE SEALS. - CONNECT FLOW LINE, INSTALL KILL LINE, TRIP TANK LINE AND DUMP VALVE - RU MOUSE HOLE.  <b>** OFFLINE:</b> - TBT AND PREPARING 17.5" BHA AT RIG FLOOR. - CONTINUE MONITORING LEVEL IN CELLAR, STATIC. - CLEAN MUD PITS AND PREPARED HYDROGAURD MUD 1.28 SG.  <b>NOTE:</b> - CREW CHANGE AT 05:00 HRS.
28/08/2023	05:30 - 05:45	0.25	SURF	DRILL	RIG	P			TBT PRIOR PU AND RIH 17.5" BHA

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28/08/2023	05:45 - 09:00	3.25	SURF	DRILL	RIG	P			P/U & M/U AND RIH 17.1/2" BHA TO 180 M : - NOV BIT , TYPE: TK625 ,SN: E268398 (6 X 13), - BIT SUB (WITH FLOAT VALVE) - 2 X 9 1/2" DC - 17 3/8" STRING STAB + 7.5/8" REG X 6.5/8" REG XO - 9X 8 1/4"DC - 8" POWER STROKE HYDRAULIC JARS - 3X 8 1/4" DC - 6.5/8" REG X 4.1/2 NC50 XO - 4 X 5" HWDP.  WEIGHT BELOW THE JAR IS 50 KLBS  OFFLINE: - CONTINUE MONITORING LEVEL IN CELLAR, STATIC. - CONT. PREPARE TANKS FOR DISPLACEMENT WITH HYDROGAURD MUD 1.28 SG.
28/08/2023	09:00 - 09:30	0.50	SURF	DRILL	RIG	P			SERVICE TDS.
28/08/2023	09:30 - 10:30	1.00	SURF	DRILL	RIG	P			CONT. RIH 17.1/2" BHA F 284 M TO 516 M WITH 11 X 5" HWDP AND 5" 25.6# G3 DP STANDS.  TOTAL BHA WEIGHT 80 KLBS.
28/08/2023	10:30 - 11:30	1.00	SURF	DRILL	RIG	N	RREP		ATTEMPT TO DUMP TRIP TANK ( SPUD MUD) BUT UNABLE DUE TO TRIP TANK PUMP FAILURE , TROUBLESHOT THE SAME.
28/08/2023	11:30 - 12:30	1.00	SURF	DRILL	RIG	P			- WASH DOWN PRECAUTIONARY FROM 516 M TO 562 M - TAGGED ON CEMENT AT 562 M - COMMENCED DISPLACING WELL TO HYDROGAURD MUD.
28/08/2023	12:30 - 13:30	1.00	SURF	DRILL	RIG	P			- DRILL OUT CEMENT, FLOAT SHOE & RAT HOLE FROM 562 M TO 568 M USING BELOW PARAMETERS WOB: 5 -12 K, ROT: 50-80 RPM, TQ: 3-6.5 KFT-LBS, FR: 700-800 GPM, SPP: 1700-2300 PSI. - WIPE STRING THROUGH THE SHOE SEVERAL TIMES WITHOUT ISSUE. - PUMP 50 BBLs HI-VIS ON FLY AFTER CLEARING RAT HOLE - MW IN \ MW OUT = 1.28 SG



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Active datum: WELL @81.17m (above Mean Sea Level)			

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28/08/2023	13:30 - 00:00	10.50	INT1	DRILL	RIG	P			DRILL 17.5" HOLE SECTION FROM 568 M TO 905 M - WOB: 2-18 KLBS, ROT: 80-120 RPM, TQ: 4-12 KFT-LBS, FR: 1050-1100 GPM, SPP: 3600-3800 PSI. - BACK REAM EVERY STAND WITH 75 RPM - PUMP 30-50 BBL HI-VIS EVERY CONNECTION - DRILL WITH 3 PUMPS. - GREASE WASH PIPE AT 860M. - COMMENCE INCREASE MW TO IN STAGES 1.32 SG FROM +/- 950M.  * TOP OF FIQA SHARGI AT 586 M (6 M DEEPER). AVG ROP : 48.14 MHR  NOTE: - CREW CHANGE AT 21:00 HRS. - PREPARE 13-3/8" CASING, MEASURE, DRIFT AND CLEAN.
29/08/2023	00:00 - 04:00	4.00	INT1	DRILL	RIG	P			DRILL 17.5" HOLE SECTION FROM 905 M TO 1021 M (SECTION TD 35 M INTO NATIH A/B) - WOB: 10-20 KLBS, ROT: 110-140 RPM, TQ: 4-15 KFT-LBS, FR: 1000-1050 GPM, SPP: 3700-3900 PSI. - BACK REAM EVERY STAND WITH 75 RPM - PUMP 30-50 BBL HI-VIS EVERY CONNECTION - DRILL WITH 3 PUMPS. - CONT. INCREASE MW TO IN STAGES 1.32 SG BEFORE TD.. - TQ FLUCTAUTED F/ 982M - 995M WITH DROP IN ROP TREND. MITIGATE AND INC RPM F/115-140 RPM  * TOP OF NATIH A/B AT 986 M (18 M SHALLOWER). AVG ROP : 43.28 MHR  NOTE: - PREPARE 13-3/8" CASING, DRIFT, CLEAN AND COMMENCE INSTALLING CENTERLISER. - AFTER MU CONNECTION AT 1004M, STD #26 WASH OUT, RACK BACK SAME.
29/08/2023	04:00 - 05:30	1.50	INT1	DRILL	RIG	P			- PUMP 100 HI VIS AND CIRCULATE MIN 2X BTMS UP AND HOLE CLEAN - FR: 1015 GPM, SPP: 3750-3850 PSI, 75 RPM, TRQ1-2 KFT-LBS. - NO LOSSES WAS ENCOUNTERED.  OFFLINE: - CONDUCT PJSM PRIOR POOH WITH REAM BACK.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
29/08/2023	05:30 - 13:15	7.75	INT1	DRILL	RIG	P			- BACK REAM WITH 17.1/2" BHA FROM 1021 M TO 564 M (INSIDE 18.5/8" CSG). - FR: 800-1000 GPM, SPP: 3780- 3320 PSI, ROT: 75 RPM, TQ: 2-10 KFT-LBS. - MONTIOR WELL, SHORT SYSTEM - WIPE ONE SINGLE DOWN AND CIRCULATE FOR 2 MINUTES BEFORE CONNECTION.  -OBSERVE 3 OVERTORQUE CONNECTIONS.
29/08/2023	13:15 - 14:00	0.75	INT1	DRILL	RIG	P			CIRCULATE HOLE CLEAN AT CSG SHOE. FR 1000 GPM , SPP 3220 PSI, 75 RPM, TRQ 1-2 KFT.LBS. MAINLY CUTTING FROM SHARGI.
29/08/2023	14:00 - 16:00	2.00	INT1	DRILL	RIG	P			UNABLED TO PULL ON ELEVATOR INSIDE CASING , CONTINUE WITH PUMP OUT AND BACK REAM. - BACK REAM WITH 17.1/2" BHA FROM 564 M TO 429 M. FR: 800-1000 GPM, SPP: 3200-3600 PSI, RPM: 75, TQ: 2-5 KLB.FT  NOTE: - AT 486 M PUMP AND CIRCULATE 50 BBL OF HI-VIS.
29/08/2023	16:00 - 17:15	1.25	INT1	DRILL	RIG	P			CONT. PUMP OUT OF HOLE 17.1/2" BHA F/ 429 M TO 285 M . FR: 800-850 GPM , SPP: 1800-2200 PSI.
29/08/2023	17:15 - 18:15	1.00	INT1	DRILL	RIG	P			CONT POOH ON ELEVATOR FROM 285 M TO 145M. - RACK BACK 5 STANDS HWDP.
29/08/2023	18:15 - 19:00	0.75	INT1	DRILL	RIG	P			PERFROM DROP INSPECTION AND SERVICE RIG.
29/08/2023	19:00 - 21:45	2.75	INT1	DRILL	RIG	P			CONT. POOH 17 1/2" BHA FROM 145 M TO SURFACE. - RACK BACK 1X STAND 8 1/4" DC - L/D 8" HYDRAULIC JAR - RACK BACK 3X STANDS 8 1/4" DC - L/D 17-3/8" STAB ( 5% BALLED UP) - L/D 2X 9 1/2" DC - L/D BIT SUB - L/D NOV TK 625 BIT ( 30 % BALLED UP). AT SURFACE 21:15 HRS.  NOTES: - BIT GRADING: 1-1-WT-A-X-I-NO-TD - CREW CHANGE HANDOVER AND TBT AT 20:00HRS. - MONITOR WELL ON TT.
29/08/2023	21:45 - 22:00	0.25	INT1	DRILL	RIG	P			CLEAN AND CLEAR RIG FLOOR
29/08/2023	22:00 - 23:00	1.00	INT1	DRILL	RIG	P			TBT, - DISCONNECT FLOW LINE. - RIG DOWN RISER USING CRANE.  OFFLINE: PREPARED FRANKS TRS EQUIPMENT
29/08/2023	23:00 - 23:15	0.25	INT1	CASING	RIG	P			PJSM FOR RU FRANKS TRS EQUIPMENTS

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
29/08/2023	23:15 - 00:00	0.75	INT1	CASING	RIG	P			RIG UP FRANKS TRS EQUIPMENT: SERVICE LOOP, FA-1, POWER UNIT  OFFLINE: - REMOVE LANDING BASE. - COMMENCE MIXING CEMENT SPACER
30/08/2023	00:00 - 02:15	2.25	INT1	CASING	RIG	P			CONT. RIG UP FRANKS TRS EQUIPMENT: SERVICE LOOP, FA-1, POWER UNIT. - PERFORM TEMP 3RD PARTY DROP INSPECTION.  OFFLINE: - REMOVE LANDING BASE AND FLUSH CUT 18 5/8" CSG. COVER THE HOLE WITH A GRATING. - HOT CUT 18-5/8" COUPLING VERTICALLY FROM BOTH SIDES TO ENABLE TO REMOVE AND PULL THE CLAMP (LL).
30/08/2023	02:15 - 02:30	0.25	INT1	CASING	RIG	P			PJSM FOR 13.3/8" CASING RUNNING
30/08/2023	02:30 - 03:45	1.25	INT1	CASING	RIG	P			- REMOVE MASTER BUSHING - P/U WELLHEAD BY & INSTALL IN ROTARY. - INSTALL BACK MASTER BUSHING AND PUT WELLHEAD PUP JOINT ON CASING SLIPS - P/U 13 3/8", L-80, 72PPF, BTC LANDING JOINT AND MADE UP THE SAME TO WELLHEAD. (MUT 16.3 KFT-LBS) - L/D WELL HEAD WITH LANDING JOINT.
30/08/2023	03:45 - 04:15	0.50	INT1	CASING	RIG	P			- REMOVE MASTER BUSHING. - RU FRANKS FMS SLIPS
30/08/2023	04:15 - 05:30	1.25	INT1	CASING	RIG	P			PU 13.3/8" REAMER SHOE ASSEMBLY - RUN SHOE AND FUNCTION TEST -OK. - P/U 13 3/8", 72PPF, L-80 BTC CROSSOVER PUP JT ( DINO VAM PIN X BTC BOX) - MU 13 3/8", 72PPF, L-80 BTC FLOAT COLLAR ASSEMBLY & M/U TO REAMER SHOE JOINT ( MUP WITH FA-1 ) - FILLED UP THE SHOE TRACK & FUNCTION TESTED - OK. - APPLIED THREAD LOCK ON SHOE TRACK CONNECTIONS.
30/08/2023	05:30 - 15:00	9.50	INT1	CASING	RIG	P			P/U 13 3/8", L-80, 72PF BTC CASING JOINTS & RIH TO 992 M. - MONITOR ANNULAS LEVEL & CLEAR CELLAR VOLUME USING CELLAR PUMP. - FILL UP EVERY JOINT WHILE RIH VIA FA-1. - TORQUE UP CONNECTIONS TO THE DIAMOND MARK, USING FA-1 (~11000FT.LBS). - TRIPPING SPEED: 9-11 JNT/HR.  AT 08:15 CREW CHANGE AND HANDOVER.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
30/08/2023	15:00 - 15:30	0.50	INT1	CASING	RIG	P			AT 992 M STRING START TO TAKE WEIGHT. APPLY UP TO 60 KLBS , NO PROGRESS. ATTEMPT TO WASH DOWN WITH 250 GPM , STRING TAKE WEIGHT.
30/08/2023	15:30 - 23:45	8.25	INT1	CASING	RIG	P			WASH AND REAM DOWN WITH 13.3/8" CASING FROM 992 M TO 1010 M FR 250-350 GPM, SPP 500-700 PSI, WOB UP TO 30 KLBS, RPM 40-70 , TRQ 6-8 KFT.LBS ( LIMITED TORQUE TO 9 KFT.LBS) UNABLE TO PROGRESS FURTHER THAN 1010 M AS STRING STALLED AND TORQUE REACHED TL MAX 9 KFT.LBS AND PRESSURE INC F/550 TO 850 PSI. DECISION MADE TO SET CASING SHOE AT 1006 M.( 20M INTO NATHI)  AT 20:00 CREW CHANGE AND HANDOVER.
30/08/2023	23:45 - 00:00	0.25	INT1	CASING	RIG	P			CIRCULATE HOLE CLEAN WHILE RECIPROCATING STRING. FR 350 GPM, SPP 520 PSI
31/08/2023	00:00 - 01:00	1.00	INT1	CASING	RIG	P			CIRCULATE HOLE CLEAN WHILE RECIPROCATING STRING. - FR 350 GPM, SPP 520 PSI. - TAG BOTTOM AT 1010M WITH NO ROTATION OK. - NO GAIN NO LOSS.  OFFLINE: - LOAD CEMENT HEAD WITH 13-3/8" NR BOTTOM AND TOP PLUGS, NWSL WITNESS.
31/08/2023	01:00 - 02:00	1.00	INT1	CASING	RIG	P			LAY DOWN 2 JOINTS ( #83 AND 82). - CHECK THREAD OK.
31/08/2023	02:00 - 02:15	0.25	INT1	CASING	RIG	P			TBT PRIOR P/U & M/U WELLHEAD
31/08/2023	02:15 - 04:45	2.50	INT1	WHSUR	RIG	P			- P/U AND MADE UP WELL HEAD ASSEMBLY TO CASING STRING, ORIENTATE STRING FOR SOV. - GOT DIFFICULTIES MU WH ASSY TO CAING STRING - RD FMS SLIPS AND RU MASTER BUSHING - CLEAN CELLAR FROM CUTTINGS - RAN IN, M/U LANDING BASE IN CELLAR AND LANDED OFF STRING CONFIRMING CENTRAL. DN WT 235 KLBS. - WRONG CENTERLISER INSTALLED BELOW WH, REMOVE SAME - 13 3/8" CSG SHOE @ 1005.9 M, FLOAT COLLAR @ 989.27 M.
31/08/2023	04:45 - 05:15	0.50	INT1	CEMT	RIG	P			CONT. CIRCULATE HOLE CLEAN WITH 350 GPM, SPP 510 PSI. MEANWHILE: RU CEMENT LINES RD TRS EQUIPMENT

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
31/08/2023	05:15 - 05:45	0.50	INT1	CEMT	RIG	P			RIG UP CEMENT HEAD. FLUSH CEMENT LINE. CONNECT CEMENT LINE TO CEMENT HEAD.
31/08/2023	05:45 - 06:30	0.75	INT1	CEMT	RIG	P			PUMP FROM RIG PUMP THROUGH CEMENT HEAD WITH 250 GPM, SPP 160 PSI  MEANWHILE - PREPARE FOR MIX FLUID AND SURFACE LINE TEST. - PJSM FOR CEMENT JOB.
31/08/2023	06:30 - 06:45	0.25	INT1	CEMT	RIG	P			PRESSURE TEST CEMENT LINE TO 4500 PSI- GOOD TEST
31/08/2023	06:45 - 07:15	0.50	INT1	CEMT	RIG	P			- PUMP 100 BBL OF TUNED SPACER BY RIG PUMP WITH 250 GPM/ XX PSI.  MEANWHILE: CEMENTERS MIXING RETARDER AND THEN START PREPARING LEAD SLURRY.
31/08/2023	07:15 - 09:45	2.50	INT1	CEMT	RIG	P			DROP BOTTOM PLUG AND VERIFIED THE DROP OF THE PLUG BY FLAG INDICATOR. - MIX AND PUMP 422 BBL OF 1.57SG LEAD SLURRY AT 5-6 BBL/MIN - MIX AND PUMP 103 BBL OF 1.89SG TAIL SLURRY AT 4-5 BBL/MIN
31/08/2023	09:45 - 11:15	1.50	INT1	CEMT	RIG	P			- DROP TOP PLUG - CMT UNIT PUMPED 10 BBL SPACER BEHIND. - SWITCH OVER TO RIG PUMPS AND CONT. CEMENT DISPLACEMENT PUMPING 473.4 BBL OF 1.25 SG HYDROGARD MUD. - BUMPED PLUG WITH 510 PSI FINAL CIRCULATING PRESSURE, INCREASE THE PRESSURE TO 3200 PSI. - NO RECORDABLE LOSSES WHILE CMT. - DUMP TOTAL OF 195 BBL AS BELOW : 31 BBL OF CONTAMINATED MUD WITH SPACER. 68 BBL OF NET SPACER. 42 BBL OF SPACER WITH CEMENT. 54 BBL NET CEMENT
31/08/2023	11:15 - 12:00	0.75	INT1	CEMT	RIG	P			****13.3/8" CASING INTEGRITY TEST TO 3200 PSI**** - LINE UP TO CEMENT UNIT FOR CASING TEST AND CHECK FLOATS. - EQUALIZE PRESSURE TO 3200 PSI AND OPEN LO-TRQ VALVE ON RIG FLOOR,ISOLATE RIG STANDPIPE MANIFOLD. - MONITOR PRESSURE FOR 30 MINS - PRESSURE STABLE. - BLED BACK VOLUME TO CEMENT UNIT - VOLUME RETURN 5.5 BBL MORE THAN CALCULATED MBV AND FLOW STREAM IS HIGH ( FLOATS NOT HOLDING).

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
31/08/2023	12:00 - 19:00	7.00	INT1	CEMT	RIG	N			* FLOATS ARE NOT HOLDING.* - STOP BLEEDING OFF MUD TO THE CEMENT UNIT DISPLACEMENT TANKS AND CLOSE THE WELL IN UNTIL CEMENT HAS REACHED 50 PSI COMPRESSIVE STRENGTH PLUS 2 HRS ( TOTAL WOC 5+2=7 HRS). - MEANWHILE MONITOR PRESSURE DURING WOC , OBSERVE PRESSURE BUILD UP TO 510 PSI.
31/08/2023	19:00 - 19:30	0.50	INT1	CEMT	RIG	P			BLEED OFF PRESSURE TO TT AND FLOW CHECK 15 MINS. STATIC - BLLED OF TO 300 PSI (0.3 BBLS RETURENED), CLOSE BLEED OF VALVE, NO PRESSURE BUILD UP. - BLEED OFF TO ZERO (0.5 BBLS RETURENED), CLOSE BLEED OFF VALVE AND MONITOR FOR 5 MINS, NO PRESSURE. - TOTAL VOLUME RETURNED 0.8 BBLS.
31/08/2023	19:30 - 20:00	0.50	INT1	CEMT	RIG	P			TBT , R/D CEMENT LINES AND CEMENT HEAD.
31/08/2023	20:00 - 20:45	0.75	INT1	WHSUR	RIG	P			- DISCONNECT WELLHEAD RUNNING TOOL FROM WELL HEAD. - POH AND DISCONNECT LANDING JOINT FROM RUNNING TOOL.
31/08/2023	20:45 - 23:00	2.25	INT1	CEMT	RIG	P			- RD FRANKS TRS EQUIPMENTS
31/08/2023	23:00 - 00:00	1.00	INT1	WHSUR	RIG	P			- INSTALL CELLAR FRAMS & GRATING
01/09/2023	00:00 - 03:00	3.00	INT1	WHSUR	RIG	P			- INSTALL SOVS ON WELLHEAD USING RIG WINCH AND TIGHTENED THE SAME - CONDUCT TBT AND REVIEW PRESSURE CHECK LIST WITH CAMERON - CAMERON P/T SOVS. - P/T LOWER SOVS TO 300/5000 PSI - 5/15 MINS. - P/T UPPER SOVS TO 300/10000 PSI - 5/15 MINS
01/09/2023	03:00 - 07:00	4.00	INT1	BOPSUR	RIG	P			CREW TBT PRIOR NU BOP - N/U BOP ON WELLHEAD STACK. - TIGHTEN FASTLOCK CONNECTION. - REMOVE BOP SKID. - CONNECT KILL LINE AND CHOKE LINE. - CONNECT HYDRULIC CONTROL LINES.
01/09/2023	07:00 - 08:00	1.00	INT1	BOPSUR	RIG	P			- NU MUD RISER AND FLOW LINE. - INSTALL MOUSE HOLE
01/09/2023	08:00 - 19:00	11.00	INT1	BOPSUR	RIG	P	RREP	0.00	- HAD ISSUE WITH SERIAL NUMBER AND COC'S OF THE UPPER AND LOWER RAM BLOCK. - OPEN THE UPPER AND LOWER TO GET THE SERIAL NUMBER OF BOTH SIDES AND CONFIRM WITH COS AND COC. - CLOSE BACK THE UPPER AND LOWER PIPE RAM.
01/09/2023	19:00 - 21:30	2.50	INT1	BOPSUR	RIG	P	RREP	0.00	REPLACE CHOKE LINE HOSE WITH NEW ONE. - SN 8960011, NEW OCT-22, TESTED TO 15000 PSI 3/61 MINS ON 21-OCT-2022, TESTED TO 10,000 PSI ON 02-09-2023)
01/09/2023	21:30 - 21:45	0.25	INT1	BOPSUR	RIG	P			TBT PRIOR BOP PRESSURE TEST

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
01/09/2023	21:45 - 22:45	1.00	INT1	BOPSUR	RIG	P			- P/UP AND M/UP TEST ASSEMBLY (TEST PLUG+DP TEST PIPE+SES+FOSV AND TDS) - RUN AND SET TEST PLUG INTO WH. - FLUSH THROUGH AND FILL BOP STACK WITH WATER. - TEST TEST PUMP AND LINES. - OPEN WH SOVS FOR LEAK PATH FOR TEST PLUG. MONITOR SAME.
01/09/2023	22:45 - 23:00	0.25	INT1	BOPSUR	RIG	P			- FUNCTION TEST BOP RAMS. - BSR FUNCTIONED PRIOR RUNNG TEST ASSY.
01/09/2023	23:00 - 00:00	1.00	INT1	BOPSUR	RIG	P			"" BOP PRESSURE TEST#1 "" - PERFORM BOP CONNECTION PRESSURE TEST TO 300 PSI /10000 PSI FOR 5 /5 MINS AGAINST LOWER PIPE RAM (MANUALLY LOCKED) & FOSV. GOOD TEST. - MANUALLY CLOSING LPR. ACCUMULATOR ISOLATED AND MANIFOLD PRESSURE BLED OFF TO ZERO. - ALL TDS IBOP VALES AND STAND PIPE MANIFOLD VALVES OPEN. - WH SOV OPEN AND MONITORED.
02/09/2023	00:00 - 01:00	1.00	INT1	BOPSUR	RIG	P			"" BOP PRESSURE TEST#2 "" - PERFORM BOP PRESSURE TEST TO 300 PSI /10000 PSI FOR 5 /5 MINS AGAINST UPPER PIPE RAM (MANUALLY LOCKED), HCR & FOSV. GOOD TEST. - MANUALLY CLOSING UPR. ACCUMULATOR ISOLATED AND MANIFOLD PRESSURE BLED OFF TO ZERO. - ALL TDS IBOP VALES AND STAND PIPE MANIFOLD VALVES OPEN. - WH SOV OPEN AND MONITORED.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
02/09/2023	01:00 - 02:30	1.50	INT1	BOPSUR	RIG	P			<p>"" BOP PRESSURE TEST#5 ""</p> <p>- PERFORM BOP PRESSURE TEST TO 300 PSI /10000 PSI FOR 5 /5 MINS AGAINST BLIND SHEAR RAM (MANUALLY LOCKED),</p> <p>- PT BLIND/ SHEAR RAM, CHOKE LINE, KILL LINE, LO- TORQUE VALVE ON KILL LINE AND CHOKE MANIFOLD VALVES # 61, 62 AND 79. GOOD TEST.</p> <p>NOTE:</p> <p>- BACK OUT TEST STRING OFF TEST PLUG. PULL OUT TEST STRING.</p> <p>- CONNECT TEST UNIT ON CHOKE MANIFOLD, CLOSE VALVES # 61,62&amp; 79 AND OPEN VALVE#78 ON CHOKE MANIFOLD</p> <p>- MANUALLY CLOSING BSR. ACCUMULATOR ISOLATED AND MANIFOLD PRESSURE BLED OFF TO ZERO.</p> <p>- ALL OTHER TDS IBOP VALES AND STAND PIPE / CHOKE MANIFOLD VALVES OPEN.</p> <p>- WH SOV OPEN AND MONITORED.</p> <p>- AFTER TEST COMPLETED, DE-ISOLATE ACCULATOR BACK TO NORMAL CONDITION.</p>
02/09/2023	02:30 - 02:45	0.25	INT1	BOPSUR	RIG	P			- RIG DOWN TEST ASSEMBLY.
02/09/2023	02:45 - 03:00	0.25	INT1	WHSUR	RIG	P			- INSTALL WEAR BUSHING AND L/D RUNNING TOOL.
02/09/2023	03:00 - 03:30	0.50	INT1	DRILL	RIG	P			<p>- INSTALL MOUSE HOLE.</p> <p>- SERVICE BREAK TEST ASSY.</p> <p>- RU AND INSTALL AUTO SLIPS.</p>
02/09/2023	03:30 - 03:45	0.25	INT1	DRILL	RIG	P			- TBT FOR P/U AND RACK BACK DP.
02/09/2023	03:45 - 08:15	4.50	INT1	DRILL	RIG	P			<p>- PU AND RIH WITH 72 X G2 5" DP (19.5#) SINGLES</p> <p>- MONITOR WELL ON TT.</p>
02/09/2023	08:15 - 08:30	0.25	INT1	DRILL	RIG	P			- TBT AND CREW CHANGE.
02/09/2023	08:30 - 10:00	1.50	INT1	DRILL	RIG	P			- POH AND RACK 24 X G2 5" DP (19.5#) STANDS TO THE MAST.
02/09/2023	10:00 - 10:15	0.25	INT1	DRILL	RIG	P			- TBT PRIOR P/U, M/U AND RIH 12-1/4" BHA.
02/09/2023	10:15 - 11:15	1.00	INT1	DRILL	RIG	P			- P/U AND M/U 12.1/4" BIT WITH NOV RSS VX800 AND FILTER SUB.



## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
02/09/2023	11:15 - 00:00	12.75	INT1	DRILL	RIG	N	RREP	0.00	WAIT ON DEDICATED SHEARING UNIT REGULATOR - OBSERVED THE SHEAR BOOSTER REGULATOR NOT HOLDING PRSSURE. - PREPARE COW DOC, ISOLATE DEDICATED SHEARING UNIT , REMOVE OLD REGULATOR. - NEW REGULATOR ON LOCATION 23:00 HRS. - RECIEVED REGULATOR HAS MAX PRESSURE IN/OUT 3000 PSI.  MEAMWHILE - SERVICE MP# 1, 2 &3. - GREASING CHOKE MANIFOLD, GROUND MANIFOLDS. - HOUSE KEEPING.
03/09/2023	00:00 - 02:00	2.00	INT1	DRILL	RIG	N	RREP	0.00	WAIT ON DEDICATED SHEARING UNIT REGULATOR.  MEAMWHILE - TABLE DISCUSSION WITH CREW ON WC DRILLS. - LD BIT AND RSS TOOL
03/09/2023	02:00 - 08:00	6.00	INT1	DRILL	RIG	P			- PU, MU AND RIH 15 JTS HWDP+54 JTS G2 DP. - PERFORM BOP FUNCTION TEST FROM DRILLER PANEL. - POOH AND RACK BACK TUBULAR IN STANDS. - SLIP DRILL LINE.  MEANWHILE, CONTINUE WAITING ON DEDICATED SHEARING UNIT REGULATOR.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
03/09/2023	08:00 - 23:15	15.25	INT1	DRILL	RIG	N	RREP	0.00	<p>- RACK BACK 5 STANDS OF HWDP AND 18 STANDS OF 5" G.</p> <p>- SARA ENGINEER ARRIVE WITH UPDATED CERTIFICATE OF TEST.</p> <p>- FIXED THE SHEARING UNIT REGULATOR.</p> <p>- ATTEMPT TO FUNCTION TEST FROM THE REMOTE PANEL ( OFFICE AND DRILLER) , UNABLE TO FUCNTION FROM THE DRILLER PANEL. FIXED.</p> <p>*** DEDICATED SHEAR DRAWDOWN TEST**</p> <p>- PERFORM FUNCTION TEST FROM DRILLER REMOTE PANEL OK, 17 SEC CLOSING BLIND SHEAR RAM.</p> <p>- ELEC PUMP JUMP IN AT +/- 4700 PSI - AIR PUMPS JUMP IN AT 4500 PSI</p> <p>- AIR PUMP CUT OUT AT 4750-4800 PSI. - ELEC PUMP CUT OUT AT 5000 PSI.</p> <p>- OPEN SHEAR RAM FROM KOOMEY UNIT.</p> <p>- SWITCH OFF BOTH AIR AND ELEC PUMPS.</p> <p>- PERFROM FUNCTION TEST FROM TP PANEL, 15 SEC CLOSING BLIND SHEAR RAM.</p> <p>- FINAL PRESSURE 3200 PSI.</p> <p>- BLEED OFF REMAINING ACCUMULATOR PRESSURE.</p> <p>- SWITCH ON BOTH PUMPS</p> <p>- RECHARGE ACCUMULATORS BANKS IN 11 MINS.</p> <p>- AIR PUMP CUT OUT AT 4750 PSI. - ELEC PUMP CUT OUT AT 5000 PSI.</p> <p>MEANWHILE:</p> <p>- WORKING ON CALIBRATING GAUGES.</p>
03/09/2023	23:15 - 23:30	0.25	INT1	DRILL	RIG	N	RREP	0.00	PJSM PRIOR P/U, M/U AND RIH 12-1/4" BHA.
03/09/2023	23:30 - 00:00	0.50	INT1	DRILL	RIG	N	RREP	0.00	<p>P/U, M/U AND RIH 12-1/4" BHA TO 10 M AS FOLLOW:</p> <p>- PICK UP NEW 12-1/4" PDC BIT NOV, TKC66, S423, HDBS GTI75WKHO (3x12 &amp; 6X13/32 NOZZLES)</p> <p>- 8" NOV RSS VX800 (C/W 12-1/8" SLEEVE STAB.)</p> <p>- 8.25" FILTER SUB</p> <p>NOTES:</p> <p>- USED MANUAL TONGS TO MU NOV TOOLS.</p>
04/09/2023	00:00 - 01:45	1.75	INT1	DRILL	RIG	P			<p>P/U, M/U AND RIH 12-1/4" BHA TO 100 M AS FOLLOW:</p> <p>- 8" FLOAT SUB.</p> <p>- 12.1/8" STABILIZER</p> <p>- 8" PBL SUB.</p> <p>- 9 X 8.1/4" DC (3 STDS F/ DERRICK).</p>

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
04/09/2023	01:45 - 02:00	0.25	INT1	DRILL	RIG	P			PERFORM KICK DRILL WITH CREW D - DISCUSS SECURE WELL WITH DC ACROSS BOP (NON-SHEARABLE). - CROSS OVER WITH FOSV READY, DC LIFT SUB NC 50 CONNECTION AND CAN PUMP THRU - DISCUSS DROPPING STRING SCENARIO.
04/09/2023	02:00 - 03:30	1.50	INT1	DRILL	RIG	P			RESUME P/U, M/U AND RIH 12-1/4" BHA TO 195 M AS FOLLOW: - 1 X 8.1/4" DC (FROM GROUND). - DLR - 2 X 8 1/4" DC (FROM GROUND). - 8" POWER STROKE DRILLING JAR. ( WT BELOW JAR 50 KLBS) - 3 X 8 1/4" DC (ONE STAND FROM DERRICK) - XO - 1 STAND HWDP FROM DERRICK.
04/09/2023	03:30 - 03:45	0.25	INT1	DRILL	RIG	P			MU TDS, BREAK CIRC, SHALLOW TEST NOV VX800 TOOL AT FR: 750 GPM; SPP:1320 PSI. - INC: 0.21 DEG, AZM: 178.45 DEG, TEMP: BELOW 50 DEG C
04/09/2023	03:45 - 04:30	0.75	INT1	DRILL	RIG	P			RESUME P/U, M/U AND RIH 12-1/4" BHA TO 448 M AS FOLLOW: - 9 STANDS HWDP FROM DERRICK.  NOTES: - TOTAL BHA LENGTH: 448.14 M , TOTAL BHA WT: 90 KLBS, WT BELOW JAR: 50 KLBS. - MAINTAIN TRIP SHEET.
04/09/2023	04:30 - 04:45	0.25	INT1	DRILL	RIG	P			- REPLACED WASH OUT SINGLE OF G3 DP STAND.
04/09/2023	04:45 - 05:00	0.25	INT1	DRILL	RIG	P			CREW CHANGE AND HANDOVER.
04/09/2023	05:00 - 05:15	0.25	INT1	DRILL	RIG	P			RIH 12-1/4" BHA FROM 448M TO 564 ON 5" DP.
04/09/2023	05:15 - 05:30	0.25	INT1	DRILL	RIG	P			MU TDS, BREAK CIRC, SURVEY AT 18-5/8" SHOE AT FR: 700 GPM; SPP:1750 PSI. - INC: 0.46 DEG, AZM: 193.43 DEG, TEMP: BELOW 50 DEG
04/09/2023	05:30 - 06:45	1.25	INT1	DRILL	RIG	P			RIH 12-1/4" BHA FROM 564 M TO 938 M ON 5" DP. - MONITOR DISPLACEMENT ON TRIP TANK
04/09/2023	06:45 - 07:15	0.50	INT1	DRILL	RIG	P			WASH DOWN FROM 938 M UNTIL TAG CEMENT/ WIPER PLUGS AT 988 M FR: 350 GPM, SPP: 580 PSI
04/09/2023	07:15 - 07:30	0.25	INT1	DRILL	RIG	P			SURVEY AT 984.89 AT FR: 700 GPM; SPP:1950 PSI. - INC: 0.09 DEG, AZM: 344.44 DEG.
04/09/2023	07:30 - 08:15	0.75	INT1	DRILL	RIG	P			PERFORM D1 & D4 WELL CONTROL DRILLS WITH CREW # A - GOOD RESPONSE FROM CREW, AD AND DR TRAINED IN CHOKE, HAD AFTER ACTION REVIEW

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
04/09/2023	08:15 - 09:00	0.75	INT1	DRILL	RIG	P			- TOOK SCR - TOOK FLOW BACK BASE LINE WITH 700 GPM , RIG RECORDED 31 BBL, MUD LOGGER RECORDED 21 BBL - TOOK FLOW BACK BASE LINE WITH 900 GPM , RIG RECORDED 40 BBL, MUD LOGGER RECORDED 30 BBL
04/09/2023	09:00 - 11:30	2.50	INT1	DRILL	RIG	P			DRILL SHOE TRACK DRILL CEMENT WIPER PLUGS AND FLOAT COLLAR FROM 988 M TO 995 M FR 800 GPM, SPP 2400-2600 PSI, WOB 10 - 15 KLBS, RPM 80 , TRQ 2 -7 KFT.LBS.
04/09/2023	11:30 - 12:00	0.50	INT1	DRILL	RIG	P			DRILL OUT SHOE TRACK FROM 995 M TO 1004.7 M FR 800 GPM, SPP 2400-2800 PSI, WOB 10 - 15 KLBS, RPM 80 , TRQ 2 -7 KFT.LBS. TAG REMER SHOE AT 1004.7 M.
04/09/2023	12:00 - 13:00	1.00	INT1	DRILL	RIG	P			DRILL OUT REAMER SHOE FROM 1004.7 M TO 1006 M FR 800 GPM, SPP 2400-2800 PSI, WOB 10 - 15 KLBS, RPM 80 , TRQ 2 -12 KFT.LBS.
04/09/2023	13:00 - 14:15	1.25	INT1	DRILL	RIG	P			DRILL OUT RAT FROM 1006 M TO 1021 M FR 800 GPM, SPP 2400-2600 PSI, WOB 5 - 15 KLBS, RPM 80 , TRQ 2 -5 KFT.LBS.
04/09/2023	14:15 - 14:30	0.25	INT1	DRILL	RIG	P			FLOW CHECK - WELL STATIC
04/09/2023	14:30 - 15:00	0.50	INT1	DRILL	RIG	P			DRILL NEW FORMATION FROM 1021 M TO 1024 M. FR 800 GPM, SPP 2400-2600 PSI, WOB 5 - 11 KLBS, RPM 80 , TRQ 2 -5 KFT.LBS.
04/09/2023	15:00 - 15:30	0.50	INT1	DRILL	RIG	P			- CIRCULATE & CONDITION MUD - CONFIRM 100% FRESH FORMATION AT SURFACE - MW IN = MW OUT = 1.25 SG
04/09/2023	15:30 - 15:45	0.25	INT1	DRILL	RIG	P			- POOH TO INSIDE CASING - LINE UP TO PUMP THROUG KILL LINE AND STRING FOR FIT
04/09/2023	15:45 - 16:45	1.00	INT1	DRILL	RIG	P			***** FIT AT 13-3/8 CASING SHOE (NATIH A/B) TO 1.66 SG OVER 1.25 SG MUD IN HOLE USING MUD PUMPS ***** - PJSM. - CLOSED UPPER PIPE RAMS. - START PUMPING WITH RIG PUMPS AT 0.5 BBL/MIN PUMP RATE. - PRESSURE UP WELL TO 600 PSI. - MONITOR PRESSURE FOR 30 MINUTES. - BLED OFF PRESSURE. - FIT PRESSURE REACHED WAS 600 PSI WITH 1.25 SG TEST FLUID, EMW ACHIEVED WAS 1.66 SG. - PUMPED VOLUME 1BBL, BLED BACK VOLUME 1BBL.
04/09/2023	16:45 - 17:15	0.50	INT2	DRILL	RIG	P			WASH DOWN TO 1024M, MEANWHILE FLUSH THROUGH CHOKE MANIFOLD AND MGS

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations									
04/09/2023	17:15 - 00:00	6.75	INT2	DRILL	RIG	P			<div>DRILL 12.25" HOLE AS PER ROAD MAP FROM 1024 M TO 1110 M. FR 800-850 GPM, SPP 2470-2750 PSI, WOB 10-20 KLBS , RPM 60-80 , TQ 2-8KFT.LBS</div> <div><div>- REAM 3 M UP/DN EVERY CONNECTION AT 45 RPM.</div><div>- CONTROL DRILLING PARAMETERS TILL DLR GET OUT FROM SHOE</div><div>- PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED.</div><div>- SURVEY EVERY STAND</div><div>- SLOW AND DROP IN ROP AT 1042 M, 1053 M, 1063 M, 1085 M,</div></div> <div>DRILLING SUMMARY =====</div> <div>FOOTAGE DRILLED: 89 M DAILY BIT HRS: 5.68 HR AVG ROP: 15.67 M/HR</div> <div>VX800 SURVEYS: -----</div> <div><table><tr><td>DEPTH.</td><td>INCL.</td><td>AZM.</td></tr><tr><td>1050.13</td><td>0.01</td><td>309.8</td></tr><tr><td>1079.48</td><td>0.04</td><td>175.37</td></tr></table></div>	DEPTH.	INCL.	AZM.	1050.13	0.01	309.8	1079.48	0.04	175.37
DEPTH.	INCL.	AZM.																
1050.13	0.01	309.8																
1079.48	0.04	175.37																
05/09/2023	00:00 - 01:00	1.00	INT2	DRILL	RIG	P			<div>DRILL 12.25" HOLE AS PER ROAD MAP FROM 1110 M TO 1117 M. (DLR EXIT SHOE WHEN BIT AT 1117 M). FR 850 GPM, SPP 2470-2750 PSI, WOB 10-20 KLBS , RPM 60-80 , TQ 2-8KFT.LBS</div> <div><div>- MAKE CONNECTION AND TAKE SURVEY</div><div>- CONTROL DRILLING PARAMETERS TILL DLR GET OUT FROM SHOE</div><div>- SLOW AND DROP IN ROP AT 1113 M,</div></div> <div>VX800 SURVEYS: -----</div> <div><table><tr><td>DEPTH.</td><td>INCL.</td><td>AZM.</td></tr><tr><td>1107.21</td><td>0.01</td><td>159.36</td></tr></table></div>	DEPTH.	INCL.	AZM.	1107.21	0.01	159.36			
DEPTH.	INCL.	AZM.																
1107.21	0.01	159.36																
05/09/2023	01:00 - 01:15	0.25	INT2	DRILL	RIG	P			<div>FLOW CHECK DUE TO DISCRIPENCY IN FLOW BACK . WELL STATIC</div>									
05/09/2023	01:15 - 01:30	0.25	INT2	DRILL	RIG	P			<div>PERFORM D2 DRILL (KICK WHILE DRILLING).</div>									
05/09/2023	01:30 - 02:00	0.50	INT2	DRILL	RIG	P			<div>RIG SERVICE AND ADJUST HOOK LOAD.</div>									

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
05/09/2023	02:00 - 06:00	4.00	INT2	DRILL	RIG	P			DRILL 12.25" HOLE AS PER ROAD MAP FROM 1117 M TO 1207 M. FR 850-900 GPM, SPP 2670-2750 PSI, WOB 20-25 KLBS , ROT 140-150 RPM, TQ 5-10 KFT.LBS  - REAM 3 M UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - RECORD MWD SURVEY EVERY 1 STAND. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - FROM 1578M, USING TWO MUD PUMPS W/870 GPM.(MP# CHANGE SEAL AND WEAR PLATE) - AVG ROP = 34 M/HR  VX800 SURVEYS: ----- DEPTH.      INCL.      AZM. 1136.67      0.01      278.13 1166.15      0.03      127.32
05/09/2023	06:00 - 07:00	1.00	INT2	DRILL	RIG	P			DRILL 12.25" HOLE AS PER ROAD MAP FROM 1207 M TO 1212 M. FR 900 GPM, SPP 2980-3030 PSI, WOB 25-30 KLBS , ROT 160 RPM, TQ 1-3 KFT.LBS  - AVG ROP = 2-3 M/HR
05/09/2023	07:00 - 07:45	0.75	INT2	DRILL	RIG	P			- OBSERVED SLOW ROP TO 2-3 M/HR. - P/UP OFF BOTTOM FULL STAND - CIRCULATE WITH 100-120 RPM FOR 5 MINUTES, STOP ROTATION, CIRCULATE AGAIN WITH 100 RPM - RUN BACK TO BOTTOM AND APPLY WOB GRADUALLY TO 35 KLBS

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations																		
05/09/2023	07:45 - 16:00	8.25	INT2	DRILL	RIG	P			<div>DRILL 12.25" HOLE AS PER ROAD MAP FROM 1212 M TO 1485 M. FR 900 GPM, SPP 2670-3380 PSI, WOB 30 KLBS, ROT 150-170 RPM, TQ 2-10 KFT.LBS</div> <div>- OBSERVED ROP STARTED PICKING UP AGAIN FROM 1213M. - REAM 3 M FOR 1-1.5MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 30 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - RECORD MWD SURVEY EVERY 3 STANDS. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 44.3 M/HR</div> <div>VX800 SURVEYS:</div> <div><table><tr><th>DEPTH.</th><th>INCL.</th><th>AZM.</th></tr><tr><td>1199.86</td><td>0.07</td><td>237.54</td></tr><tr><td>1222.10</td><td>0.06</td><td>338.01</td></tr><tr><td>1280.97</td><td>0.38</td><td>21.67</td></tr><tr><td>1367.5</td><td>0.31</td><td>120.77</td></tr><tr><td>1453.6</td><td>0.52</td><td>210.92</td></tr></table></div>	DEPTH.	INCL.	AZM.	1199.86	0.07	237.54	1222.10	0.06	338.01	1280.97	0.38	21.67	1367.5	0.31	120.77	1453.6	0.52	210.92
DEPTH.	INCL.	AZM.																									
1199.86	0.07	237.54																									
1222.10	0.06	338.01																									
1280.97	0.38	21.67																									
1367.5	0.31	120.77																									
1453.6	0.52	210.92																									
05/09/2023	16:00 - 16:15	0.25	INT2	DRILL	RIG	P			TDS SERVICE.																		
05/09/2023	16:15 - 00:00	7.75	INT2	DRILL	RIG	P			<div>DRILL 12.25" HOLE AS PER ROAD MAP FROM 1485 M TO 1723 M. FR 870-900 GPM, SPP 3240-3380 PSI, WOB 30-35 KLBS, ROT 150-170 RPM, TQ 8-12 KFT.LBS</div> <div>- REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - RECORD MWD SURVEY EVERY 3 STANDS. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 43.51 M/HR</div> <div>VX800 SURVEYS:</div> <div><table><tr><th>DEPTH.</th><th>INCL.</th><th>AZM.</th></tr><tr><td>1539.67</td><td>0.41</td><td>304.85</td></tr><tr><td>1625.67</td><td>0.27</td><td>222.30</td></tr><tr><td>1712.89</td><td>0.24</td><td>017.10</td></tr></table></div> <div>HOLD TBT AND HANDOVER WITH CREW AT 20:00 HRS.</div> <div>LAST 24 HRS DRILLING SUMMARY =====</div> <div>FOOTAGE DRILLED: 613 M DAILY BIT HRS: 16.42 HR AVG ROP: 37.33 M/HR</div>	DEPTH.	INCL.	AZM.	1539.67	0.41	304.85	1625.67	0.27	222.30	1712.89	0.24	017.10						
DEPTH.	INCL.	AZM.																									
1539.67	0.41	304.85																									
1625.67	0.27	222.30																									
1712.89	0.24	017.10																									

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations									
06/09/2023	00:00 - 05:15	5.25	INT2	DRILL	RIG	P			<p>DRILL 12.25" HOLE AS PER ROAD MAP FROM 1723 M TO 1838 M. FR 870-900 GPM, SPP 3250-3430 PSI, WOB 30-35 KLBS, ROT 140-160 RPM, TQ 9-11 KFT.LBS</p> <p>- REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - RECORD SURVEY EVERY 3 STANDS. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 33.5 M/HR</p> <p>NOTE: MUD PUMP #2 ISOLATED DUE TO MODULE FAILURE. WORKING ON REPLACING MODULE.</p> <p>VX800 SURVEYS:</p> <table><tr><td>DEPTH.</td><td>INCL.</td><td>AZM.</td></tr><tr><td>1770.67</td><td>0.19</td><td>153.32</td></tr><tr><td>1827.67</td><td>0.25</td><td>238.10</td></tr></table>	DEPTH.	INCL.	AZM.	1770.67	0.19	153.32	1827.67	0.25	238.10
DEPTH.	INCL.	AZM.																
1770.67	0.19	153.32																
1827.67	0.25	238.10																
06/09/2023	05:15 - 06:15	1.00	INT2	DRILL	RIG	P			<p>CONT. DRILLING 12 1/4" HOLE SECTION FROM 1838 M TO 1851M. FR 800 GPM, SPP 2950-2980 PSI, WOB 15-20 KLBS , RPM 140-150 , TRQ 5-8 KFT.LBS</p> <p>- CONTROL ROP TO +/-15 M/HR PRIOR ENTERING HABSHAN. - OBSERVE LOSSES START FROM DEPTH 1838M. 20 BPH. - EXPERIENCE LATERAL VIBRATION IN HABSHAN FORMATIONS- MITIGATE IT BY REDUCING WOB AND RPM OR P/U OFF-BOTTOM.</p>									
06/09/2023	06:15 - 06:30	0.25	INT2	DRILL	RIG	P			FLOW CHECK WELL, STATIC LOSSES = 16 BBLS/HR									
06/09/2023	06:30 - 07:00	0.50	INT2	DRILL	RIG	N	RREP	1,851.00	WORK ON MUD PUMP #1 PISTON, MEANWHILE CIRCULATE OFF BOTTOM WITH 330 GPM.									



## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
06/09/2023	07:00 - 11:00	4.00	INT2	DRILL	RIG	P			CONT. DRILL 12.25" HOLE AS PER ROAD MAP FROM 1851 M TO 1897 M. FR 800 GPM, SPP 2900-2990 PSI, WOB 30-35 KLBS, ROT 140-160 RPM, TQ 9-11 KFT.LBS  - LOAD ACTIVE SYSTEM SLOWLY WITH BAROFIBER AND BAROCARB AS PER DECISION TREE. - LOSSES START TO DROP TO NO LOSSES FROM 1856 M. - HABSHAN AT 1851 M.  - REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - SURVEY EVERY 3 STANDS. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 15 M/HR
06/09/2023	11:00 - 14:00	3.00	INT2	DRILL	RIG	N	RREP	1,897.00	OBSERVE LEAK IN THE SUCETION LINE BUTTERFLY VALVE OF MUD PUMP #2 WHILE CHANGING MODULE. STOP DRILLING TO FIX LEAK AS IT IS NOT POSSIBLE TO CONTINUE WITH 2 PUMPS DUE TO LINE UP WHERE BOTH MUD PUMP # 2 & 3 USING THE SAME SUCTION LINE. P/UP OFF BOTTOM AND CIRCULATE WELL WITH 370 GPM, 804 PSI WHILE FIXING THE LEAK.
06/09/2023	14:00 - 17:30	3.50	INT2	DRILL	RIG	P			CONT. DRILL 12.25" HOLE AS PER ROAD MAP FROM 1897 M TO 1975 M. FR 800 GPM, SPP 2900-3000 PSI, WOB 30-35 KLBS, ROT 140 RPM, TQ 9-11 KFT.LBS  - REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 30 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - SURVEY EVERY 3 STANDS. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 24.3 M/HR  VX800 SURVEYS: ----- DEPTH.      INCL.      AZM. 1914.9      0.12      230.11
06/09/2023	17:30 - 17:45	0.25	INT2	DRILL	RIG	P			TDS SERVICE.
06/09/2023	17:45 - 19:00	1.25	INT2	DRILL	RIG	P			CONT. DRILL 12.25" HOLE AS PER ROAD MAP FROM 1975 M TO 2003 M. FR 800 GPM, SPP 2900-3000 PSI, WOB 30-35 KLBS, ROT 140 RPM, TQ 9-12 KFT.LBS.
06/09/2023	19:00 - 19:15	0.25	INT2	DRILL	RIG	P			BEFORE MAKING CONNECTION PERFROM D2 DRILL WITH CREW B. - GOOD RESPONSE FROM ML/DRILLER.

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Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations												
06/09/2023	19:15 - 00:00	4.75	INT2	DRILL	RIG	P			<p>CONT. DRILL 12.25" HOLE AS PER ROAD MAP FROM 2003 M TO 2100 M. FR 800-850-900 GPM, SPP 2940-3300-3520 PSI, WOB 25-35 KLBS, ROT 140-160 RPM, TQ 9-12 KFT.LBS</p> <p>- REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - SURVEY EVERY 3 STANDS. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 24.1 M/HR - VX800: LEVEL II LATERAL VIBRATION 2068, 2081M. MITIGATE SAME. VX800 SURVEYS:</p> <table><thead><tr><th>DEPTH.</th><th>INCL.</th><th>AZM.</th></tr></thead><tbody><tr><td>2003.7</td><td>0.11</td><td>183.11</td></tr><tr><td>2087.7</td><td>0.09</td><td>226.77</td></tr></tbody></table> <p>HOLD TBT AND HANDOVER WITH CREW AT 20:00 HRS.</p> <p>LAST 24 HRS DRILLING SUMMARY =====</p> <p>FOOTAGE DRILLED: 377 M DAILY BIT HRS: 15.42 HR AVG ROP: 24.45 M/HR</p>	DEPTH.	INCL.	AZM.	2003.7	0.11	183.11	2087.7	0.09	226.77			
DEPTH.	INCL.	AZM.																			
2003.7	0.11	183.11																			
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07/09/2023	00:00 - 06:00	6.00	INT2	DRILL	RIG	P			<p>CONT. DRILL 12.25" HOLE AS PER ROAD MAP FROM 2100 M TO 2226 M. FR 850-900 GPM, SPP 3250-3670 PSI, WOB 30-40 KLBS, ROT 140-160 RPM, TQ 9-12 KFT.LBS</p> <p>- REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - SURVEY EVERY 3 STANDS. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 26.81 M/HR - VX800: LEVEL II LATERAL VIBRATION 2134M, 2174M.2203M. - AT 2148 M TAKE SCRS.</p> <p>VX800 SURVEYS:</p> <table><thead><tr><th>DEPTH.</th><th>INCL.</th><th>AZM.</th></tr></thead><tbody><tr><td>2003.70</td><td>0.11</td><td>183.11</td></tr><tr><td>2087.78</td><td>0.09</td><td>226.77</td></tr><tr><td>2174.67</td><td>0.12</td><td>221.71</td></tr></tbody></table>	DEPTH.	INCL.	AZM.	2003.70	0.11	183.11	2087.78	0.09	226.77	2174.67	0.12	221.71
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07/09/2023	06:00 - 08:45	2.75	INT2	DRILL	RIG	P			<p>CONT. DRILL 12.25" HOLE AS PER ROAD MAP FROM 2226 M TO 2290 M. FR 850-900 GPM, SPP 3250-3670 PSI, WOB 30-45 KLBS, ROT 130-160 RPM, TQ 9-12 KFT.LBS</p> <p>- REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - SURVEY EVERY 3 STANDS. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 27.2 M/HR</p> <p>NOTE: MWD LOST SIGNAL WHILE DRILLING AND PRIOR TO HAVE A PRESSURE DROP ISSUE.</p> <p>VX800 SURVEYS:</p> <table><tr><td>DEPTH.</td><td>INCL.</td><td>AZM.</td></tr><tr><td>2261.7</td><td>0.31</td><td>15.26</td></tr></table>	DEPTH.	INCL.	AZM.	2261.7	0.31	15.26														
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07/09/2023	08:45 - 10:00	1.25	INT2	DRILL	RIG	N	DPRB	2,290.00	<p>- OBSERVE A SUDDEN DECREASE IN SPP FROM 3780 PSI TO 3370 PSI (400 PSI). - P/UP OFF BOTTOM, SPP CONTINUED DROPPING TO 3110 PSI. - CHECK SURFACE LINES AND MUD PUMPS EACH ONE BY ONE, COULDN'T FIND ANY ISSUE WITH PUMPS. - CHECK EACH PUMP INDIVIDUALLY,</p> <table><tr><td>MP#</td><td>FR (GPM)</td><td>PRESSURE (PSI)</td></tr><tr><td>1</td><td>320</td><td>630</td></tr><tr><td>2</td><td>312</td><td>616</td></tr><tr><td>3</td><td>311</td><td>620</td></tr></table> <p>- ISOLATE MP#1 AND OPEN SCREEN, FOUND CLEAN. (MP #2 SCREEN WAS CLEANED 1 DAY BEFORE) - AT 9:30, OBSERVE PRESSURE INCREASING SLOWLY BACK TO NORMAL FOR MP# 2 &amp;3 - LINE UP MP#1 BACK AND CHECKED SPP WITH ALL MUD PUMPS, FOUND IT SIMILAR TO NORMAL</p> <table><tr><td>FR (GPM)</td><td>SPP (PRESSURE)</td></tr><tr><td>800</td><td>2930</td></tr><tr><td>850</td><td>3310</td></tr><tr><td>900</td><td>3670</td></tr></table>	MP#	FR (GPM)	PRESSURE (PSI)	1	320	630	2	312	616	3	311	620	FR (GPM)	SPP (PRESSURE)	800	2930	850	3310	900	3670
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07/09/2023	10:00 - 11:45	1.75	INT2	DRILL	RIG	N	DFAL	2,290.00	- OBSERVE STILL NO SIGNAL WITH MWD TOOL. - TROUBLESHOOT THE TOOL BY RECYCLING MUD PUMPS, NO SUCCESS - CHANGE OUT AND REPLACE THE NOV PRESSURE TRANSDUCER AND RECYCLE PUMPS, NO SUCCESS. MWD TOOL FAILED. - PUMP 50 BBLS OF HI VIS AND CIRCULATE HOLE CLEAN, MEANWHILE DISCUSS THE WAY FORWARD WITH OFFICE. - ONCE HI VIS ON SURFACE, RECYCLE PUMPS, STILL NO SIGNAL. - DECISION MADE TO POOH AND CHANGE BHA.
07/09/2023	11:45 - 12:15	0.50	INT2	DRILL	RIG	N	DFAL	2,290.00	- FLOW CHECK WELL, STATIC. - TOOK SCR. - INSTALL AIR SLIPS
07/09/2023	12:15 - 12:30	0.25	INT2	DRILL	RIG	N	DFAL	2,290.00	POOH 12 1/4" BHA ON ELEVATOR FROM 2290 M TO 2225 M.  NOTES: - MONITOR WELL THROUGH TRIP TANK.
07/09/2023	12:30 - 14:15	1.75	INT2	DRILL	RIG	N	DFAL	2,290.00	- OBSERVE OVERPULL MORE THAN 60 KLB AT 2225 M, WORK STRING TO PASS THROUGH THE TIGHT SPOT, NO SUCCESS. - ATTEMPT TO PUMP OUT WITH 800 GPM, 2920 PSI, NO SUCCESS AS OVER PULL REACHED 60 KLBS AT THE SAME SPOT. - BACK REAM FROM 2225 M TO 2195 M WITH 45 RPM, 900 GPM, 3600 PSI. -> SLOW PROGRESS WHILE BACKREAMING AT 2225 M AS STRING WAS GETTING STALLED SEVERAL TIMES AS TORQUE WAS HITTING AT 16-17 KFT.IBF. AFTER PASSING THE TIGHT SPOT, CLEAR THE AREA UP/DOWN BEFORE BREAKING CONNECTION
07/09/2023	14:15 - 14:30	0.25	INT2	DRILL	RIG	N	DFAL	2,290.00	PUMP OUT FROM 2195 M TO 2166 M, WITH 900 GPM, SPP 3670 PSI.
07/09/2023	14:30 - 17:00	2.50	INT2	DRILL	RIG	N	DFAL	2,290.00	CONTINUE POOH 12 1/4" BHA ON ELEVATOR FROM 2166 M TO 1595 M.  NOTES: - MONITOR WELL THROUGH TRIP TANK. - TIGHT SPOT AT 1818 M. UNABLE TO PASS THROUGH AS OVERPULL REACH 60 KLBS. PUMP OUT THE TIGHT SPOT THEN CONTINUE POOH ON ELEVATOR.

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07/09/2023	17:00 - 22:30	5.50	INT2	DRILL	RIG	N	DPRB	1,589.00	- WHILE PULLING UP, OBSERVE OVER PULL 60-90 KLBS. - ATTEMPT TO GO DOWN, OBSERVE HELD UP. - ATTEMPT TO CIRCULATE AND PUMP OUT, MANAGED TO GET FULL CIRCULATION WITH NO PUMP RESTRICTION BUT UNABLE TO MOVE STRING. - ATTEMPT TO ESTABLISH ROTATION, NO SUCCESS AS STRING WAS GETTING STALLED. SET TORQUE LIMIT TO 20 KFT.IBF (80 % OF THE LEAST MAKE UP TORQUE OF 26K). - ATTEMPT TO FREE STRING BY WORKING STRING UP/DOWN, NO SUCESS. STRING GOT STUCK. - ACTIVATE JARRING DOWN/UP WITH NO SUCCESS. - DISCUSSED WITH OFFICE AGREED TO CONT. JARRING DOWN AND MEANTIME PREPARE FOR N-FLOW PILL - REMOVE AUTO SLIPS AND INSTALL HOLE COVER.  CREW CHANGE AND TBT AT 20:00 HRS.
07/09/2023	22:30 - 23:15	0.75	INT2	DRILL	RIG	N	DPRB	1,589.00	CIRCULATE BOTTOMS UP WITH TRACES OF SMALL CUTTING OVER SHAKERS (MAINLY SHUAIBA LS AND MAFRAQ CLAYSTONE) - FR: 810 GPM WITH PP: 2800 PSI. - VISUAL DROPS INSPECTION.
07/09/2023	23:15 - 00:00	0.75	INT2	DRILL	RIG	N	DPRB	1,589.00	WORK ON STUCK PIPE. - CONT. JARRING DOWN AND MEANTIME PREPARE FOR N-FLOW PILL.
08/09/2023	00:00 - 04:30	4.50	INT2	DRILL	RIG	N	DPRB	1,589.00	- CONT. JARRING DOWN AND MEANTIME PREPARE FOR N-FLOW PILL. WORK ON STUCK PIPE.
08/09/2023	04:30 - 05:30	1.00	INT2	DRILL	RIG	N	DPRB	1,589.00	PUMP HV PILL AND CIRCULATE BOTTOMS UP WITH TRACES OF SMALL CUTTING OVER SHAKERS (MAINLY SHUAIBA/N-UMR LS AND MAFRAQ RED CLAYSTONE) - FR: 810 GPM WITH PP: 2820 PSI. - POST JARRING DROPS INSPECTION.
08/09/2023	05:30 - 07:00	1.50	INT2	DRILL	RIG	N	DPRB	1,589.00	- CONT. JARRING DOWN AND MEANTIME PREPARE FOR N-FLOW PILL.  NOTE: - PERFORM POST JARRING INSPECTION

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08/09/2023	07:00 - 09:15	2.25	INT2	DRILL	RIG	N	RREP	0.00	BEFORE START CLEANING MIX TANKS AND SUCTION TANK, TRANSFERE MUD FROM THE TANKS TO RESERVE TANKS TO ACCOMODATE N FLOW PILL AND BRINE. OBSERVE A LEAK IN THE TRANSFER LINE VALVE THAT IS CONNECTING BETWEEN THE TANKS. WORK ON FIXTING AIR SEAL IN THE LINE.  MEANWHILE, CONTINUE WORKING ON STRING.  - RECIEVED N-FLOW PILL CHEMICALS AT 09:00. PROCEED TO PREPARE AND MIX THE PILL.
08/09/2023	09:15 - 12:30	3.25	INT2	DRILL	RIG	N	DPRB	1,589.00	- CLEAN MIXING TANKS A, B & C AND SUCTION B. - FLUSH MUD PUMP #3 WITH WATER TO CLEAN THE MUD PUMP.  MEANWHILE, CONTINUE WORKING ON JARRING DOWN STRING.
08/09/2023	12:30 - 14:00	1.50	INT2	DRILL	RIG	N	DPRB	1,589.00	- START MIXING AND PREPARING N FLOW PILL WITH BRINE SPACER.  MEANWHILE, - CONTINUE WORKING ON JARRING DOWN STRING. - WHILE JARRING DOWN, GOT STRING FREE SUCCEFULLY.
08/09/2023	14:00 - 15:30	1.50	INT2	DRILL	RIG	N	DPRB	1,589.00	- ESTABLISH ROTATION WITH 45 RPM, INCREASE FLOW RATE TO 800 GPM TILL GOT FULL RETURN. - REAM DOWN FULL STAND TO 1617M WITH ROT 120 RPM, TQ 2-4 KFT-LBS, FR 850 GPM, PP 3000 PSI. - BACKREAM FULL STAND WITH 45 RPM, 900 GPM, 3300 PSI. OBSERVE ERATIC TORQUE FROM 1595 M TO 1592 M.  NOTE: - CIRCULATE BOTTOMS UP AFTER GETTING STRING FREE. BU AT SURFACE SHOW 30-40% CAVING 0.5-1.5 (CM) ANGULAR, SPLINTERY, SUB ANGULAR CLAYSONE MAINLY GENERATED FROM NAHR UMAR - PUMP 50 BBLs HIVIS AND CIRCULATE HOLE CLEAN. AT SURFACE, SAMPLE SHOW 30-40% CAVING 2-5 (CM) ANGULAR, PLATY, TUBLAR CLAYSONE MAINLY GENERATED FROM NAHR UMAR

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08/09/2023	15:30 - 18:00	2.50	INT2	DRILL	RIG	N	DFAL	2,290.00	- ATTEMPT TO PUMP OUT WITH 900 GPM, OBSERVE 40 KLBS OVER PULL AT 1582 M. - BACK REAM FROM 1585 M TO 1493 M WITH 45 RPM, 900 GPM, 3260 PSI. - TIGHT SPOTS AT 1566, 1554, 1550, 1542, 1537 M. - 2 X OVERTORQUED CONNECTIONS OBSERVED
08/09/2023	18:00 - 00:00	6.00	INT2	DRILL	RIG	N	DFAL	2,290.00	CONT. PUMP OUT AND BACK REAM OUT OF HOLE FROM 1493M TO 1108M WITH 850-900 GPM, 45 RPM - BACK REAM F/1387 - 1357M, F/1328-1270M, F/1242-1136M WITH 45 RPM, 900 GPM, 3200 -3050 PSI. - PUMP OUT F/1474 - 1387 M & F/1357-1328M, F/1270-1242M, F/1136-1108 WITH 900-850 GPM, 3260-2670 PSI. - TIGHT SPOTS AT F/1495-1476M, 1396M, F/1384-1365M, 1301M, 1296M, 1281M, 1273M, F/1238-1214M, F/1203-1194M, F/1174-1158M, 1145M, 1091M, 1033M. - 3 X OVERTORQUED CONNECTIONS OBSERVED. - CONTINUEOS STREAM OF CUTTING OVER SHAKER WHILE CIRCULATION, - F/ 1360-1120M, 40-60% CAVINGS, ANGULAR PLATY AND TUBULAR , CLAYSTONE: OLIVE GREY, GREENISH GREY, MEDIUM GREY IN PARTS. MAINLY GENERATED FROM NAHR UMAR FM. PRETOUR AND HANDOVER MEETING AT 20:00 HRS.
09/09/2023	00:00 - 01:00	1.00	INT2	DRILL	RIG	N	DFAL	2,290.00	CONT. PUMP OUT AND BACK REAM OUT OF HOLE FROM 1108M TO 994M (INSIDE CASING) WITH 850-900 GPM, 45 RPM - CLEAN OUT 17.5" POCKET. - PRECAUTIONARY ENTERING DLR, STABLISERS AND BIT INSIDE 13-3/8" SHOE,
09/09/2023	01:00 - 02:15	1.25	INT2	DRILL	RIG	N	DFAL	2,290.00	- PUMP 50 BBLS HI VIS PILL ANC CIRCULATE HOLE CLEAN. - FR 800-850 GPM, 2300-2650 PSI, ROT 44 RPM, TQ 1.2-1.6 KFT-LBS. - CLEAN OUT 17.5" BOCKET. - HI-VIS AT SURFACE, SAMPLE SHOW 50-60% CAVING 3-6 (CM) ANGULAR, PLATY, TUBLAR CLAYSTONE
09/09/2023	02:15 - 02:30	0.25	INT2	DRILL	RIG	N	DFAL	2,290.00	FLOW CHECK WELL STATIC. - LOST 0.3 BBLS/ 15 MINS.
09/09/2023	02:30 - 03:00	0.50	INT2	DRILL	RIG	N	DFAL	2,290.00	- PERFROM POST JARRING DROPS INSPECTION.
09/09/2023	03:00 - 03:30	0.50	INT2	DRILL	RIG	N	DFAL	2,290.00	- SERVICE RIG/TDS - SERVICE MP#1 - MONITOR WELL ON TT, LOST 1.4 BBLS / 1 HR.

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09/09/2023	03:30 - 05:45	2.25	INT2	DRILL	RIG	N	DFAL	2,290.00	POOH 12.25" BHA ON ELEVATOR FROM 994 M TO 467 M.TOP OF BHA.  NOTES: - MONITOR WELL THROUGH TRIP TANK. - GOT 18 X CONNECTIONS WITH OVERTORQUE. - USED MANUAL TONGS TO BREAK-OUT ALL CONNECTION WITH 50-65 KLB.FT - F/ 3-7 MINS EXTRA TIME TAKEN USING TONGS EACH CONNECTION.
09/09/2023	05:45 - 06:00	0.25	INT2	DRILL	RIG	N	DFAL	2,290.00	- FLOW CHECK AT TOP OF BHA. WELL STATIC
09/09/2023	06:00 - 10:45	4.75	INT2	DRILL	RIG	N	DFAL	2,290.00	POOH 12.25" BHA FROM 467M TO SURFACE.  - RACK BACK 10 X STANDS OF 5" HWDP - RACK BACK 5 X STANDS OF 8.25" DC - L/D JAR, DLR (60-70% BALLED UP), PBL, STRING STAB (45-50% BALLED UP), FLOAT SUB AND FILTER SUB - BREAK OUT AND L/D RSS (PHYSICALLY IN GOOD CONDITION) AND BIT - BIT GRADING: 3-3-WI-A-X-I-CT-TF  NOTE: - NO PHYSICAL DAMAGE OBSERVED ON BHA - FUNCTION TEST BSR FROM TP PANEL.
09/09/2023	10:45 - 13:30	2.75	INT2	DRILL	RIG	N	DFAL	2,290.00	P/U, M/U AND RIH 12-1/4" BHA#2 TO 110 M AS FOLLOW:  - PICK UP NEW 12-1/4" PDC BIT NOV, TKC66, S423, (3x12 & 6X13/32 NOZZLES) - 8" NOV RSS VX800 (C/W 12-1/8" SLEEVE STAB.) - 8.25" FILTER SUB - 8" FLOAT SUB. - 12.1/8" STABILIZER - 8" PBL SUB. - 10 X 8.1/4" DC - DLR - 2 X 8 1/4" DC  NOTES: - USED MANUAL TONGS TO MU NOV TOOLS.



## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
09/09/2023	13:30 - 14:45	1.25	INT2	DRILL	RIG	N	RREP	195.00	<p>WHILE MAKING UP BHA CONNECTION BETWEEN JAR &amp; DC, RIGHT SIDE COVER OF IRON ROUGHNECK (WEIGHT, 6.5 KG), THAT PROTECTS HYDRAULIC CYLINDER AND HOSES, DISENGAGED AND FELL DOWN FROM APPROXIMATE HEIGHT OF 1.6-1.7 M TO ROTARY LEVEL. THE IRON ROUGHNECK OPERATOR WAS OPERATING THE ROUGHNECK AT THAT TIME STANDING ON THE LEFT SIDE OF THE IRON ROUGHNECK CONTROL PANEL. NO INJURIES.</p> <ul style="list-style-type: none"> <li>- SUSPEND THE OPERATION AND RETRACTED THE IRON ROUGHNECK BACK.</li> <li>- HELD TOFS WITH CREW AND INFORM WSL AND TP AND CHEIF MECHANIC.</li> <li>- CHECK AND INSPECT THE ROUGHNECK. FOUND OUT THE COVER FELL DOWN DUE TO WORN OUT PROFILE WHERE THE BOLTS SECURE THE COVER.</li> <li>- RE-INSTALL NEW BOLTS AND NIUTS TYPE WITH WASHERS AND SECURE BOTH COVERS AGAIN.</li> <li>- INSTALL SAFETY SLINGS IN BOTH COVERS AS A SECONDARY RETENTION.</li> <li>- INSPECT THE WHOLE IRONROUGHNECK FROM ANY OTHER DEFECTS AND LOOSE ITEMS.</li> <li>- HELD SAFETY STAND DOWN WITH THE CREW AND DISCUSS THE FINDINGS AND LL WITH NEW NIGHT CREW AS WELL.</li> <li>- INFORM WSUP AND RIG SUP ABOUT THE INCIDENT.</li> <li>- AGREED TO RESUME OPERATION AND FREQUENTLY CHECKING THE BOLTS WHILE RIH.</li> </ul>
09/09/2023	14:45 - 15:15	0.50	INT2	DRILL	RIG	N	DFAL	2,290.00	<p>CONT. P/U, M/U AND RIH 12-1/4" BHA#2 TO 195 M AS FOLLOW:</p> <ul style="list-style-type: none"> <li>- 8" POWER STROKE DRILLING JAR. ( WT BELOW JAR 50 KLBS)</li> <li>- 3 X 8 1/4" DC (ONE STAND FROM DERRICK)</li> <li>- XO</li> <li>- 1 STAND HWDP FROM DERRICK.</li> </ul> <p>NOTES:</p> <ul style="list-style-type: none"> <li>- USED MANUAL TONGS TO MU NOV TOOLS.</li> </ul>

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
09/09/2023	15:15 - 16:00	0.75	INT2	DRILL	RIG	N	DFAL	2,290.00	MU TDS, BREAK CIRC, SHALLOW TEST NOV VX800 TOOL AT FR: 750 GPM; SPP:1350 PSI. - UNABLE TO GET SURVEY. RECYCLE PUMPS, STILL NO SURVEY. - CHANGE OUT DECODER BOX AND PRESSURE SENSOR AND REBOOT THE SYSTEM. - MANAGED TO GET SURVEY AS FOLLOW: INC: 0.21 DEG, AZM: 275.67 DEG, TEMP: BELOW 50 DEG C
09/09/2023	16:00 - 16:45	0.75	INT2	DRILL	RIG	N	DFAL	2,290.00	RESUME P/U, M/U AND RIH 12-1/4" BHA TO 448 M AS FOLLOW: - 9 STANDS HWDP FROM DERRICK.  NOTES: - TOTAL BHA LENGTH: 448.17 M , TOTAL BHA WT: 105 KLBS, WT BELOW JAR: 53 KLBS. - MAINTAIN TRIP SHEET.
09/09/2023	16:45 - 17:00	0.25	INT2	DRILL	RIG	N	DFAL	2,290.00	- PERFORM D1 DRILL WITH CREW B - FUNCTION TEST BOP FROM TP PANEL
09/09/2023	17:00 - 23:30	6.50	INT2	DRILL	RIG	N	DFAL	2,290.00	RIH 12-1/4" BHA FROM 448 M TO 2265 M ON 5" DP.  - MONITOR DISPLACEMENT ON TRIP TANK - AT 1696 M, OBSERVED TIGHT SPOT, SLACK OF UP TO 40 KLBS, NO SUCCESS, CONNECT TDS AND CLEAR IT WITH 100 RPM, 700 GPM, 2400 PSI, TQ~2.5-3.7 KFT.LB  NOTE: - AT 20:00 HRS, PTSM WITH NIGHT CREW, DISCUSS IRON ROUGHNECK COVER DROPS INCIDENT.
09/09/2023	23:30 - 00:00	0.50	INT2	DRILL	RIG	N	DFAL	2,290.00	- TOOK SCR - TOOK FLOW BACK BASE LINE WITH 800 GPM , RIG RECORDED 46 BBL, MUD LOGGER RECORDED 43 BBL - TOOK FLOW BACK BASE LINE WITH 900 GPM , RIG RECORDED 49 BBL, MUD LOGGER RECORDED 46 BBL
10/09/2023	00:00 - 00:45	0.75	INT2	DRILL	RIG	N	DFAL	2,290.00	ATTEMPT TO WASH DOWN WITH LAST STAND, OBSERVED STRING TAKING WEIGHT UP TO 40 KLBS. REAM DOWN FROM 2265 M TO 2290 M - FR 860 GPM, 3600-3800 PSI, ROT 100 RPM, TQ 2-4 KFT-LBS. WOB 0-20 KLBS

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations									
10/09/2023	00:45 - 06:00	5.25	INT2	DRILL	RIG	P			<p>BED ON BIT AND DRILL 12.25" HOLE AS PER ROAD MAP FROM 2290 M TO 2387 M. FR 890 GPM, SPP 3700-3900 PSI, WOB 30-40 KLBS, ROT 140-150 RPM, TQ 9-12 KFT.LBS</p> <p>- REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - SURVEY EVERY 3 STANDS. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 23.9 M/HR</p> <p>VX800 SURVEYS:</p> <table><tr><td>DEPTH.</td><td>INCL.</td><td>AZM.</td></tr><tr><td>2347.67</td><td>0.31</td><td>290.49</td></tr><tr><td>2376.70</td><td>0.37</td><td>256.17</td></tr></table>	DEPTH.	INCL.	AZM.	2347.67	0.31	290.49	2376.70	0.37	256.17
DEPTH.	INCL.	AZM.																
2347.67	0.31	290.49																
2376.70	0.37	256.17																
10/09/2023	06:00 - 15:00	9.00	INT2	DRILL	RIG	P			<p>DRILL 12.25" HOLE AS PER ROAD MAP FROM 2387 M TO 2580 M. FR 890-850 GPM, SPP 3300-3900 PSI, WOB 35-40 KLBS, ROT 140-160 RPM, TQ 9-12 KFT.LBS</p> <p>- REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - SURVEY EVERY 3 STANDS. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 31 M/HR</p> <p>- AT 2380 M, MP #2 PISTON FAILED. CONTINUE WITH MP 1 &amp; 3 WITH 850 GPM.</p> <p>VX800 SURVEYS:</p> <table><tr><td>DEPTH.</td><td>INCL.</td><td>AZM.</td></tr><tr><td>2463.2</td><td>0.3</td><td>131.76</td></tr><tr><td>2549.7</td><td>0.23</td><td>320.92</td></tr></table>	DEPTH.	INCL.	AZM.	2463.2	0.3	131.76	2549.7	0.23	320.92
DEPTH.	INCL.	AZM.																
2463.2	0.3	131.76																
2549.7	0.23	320.92																
10/09/2023	15:00 - 15:15	0.25	INT2	DRILL	RIG	P			TDS SERVICE.									

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations						
10/09/2023	15:15 - 17:00	1.75	INT2	DRILL	RIG	P			<p>DRILL 12.25" HOLE AS PER ROAD MAP FROM 2580 M TO 2609 M. FR 890-900 GPM, SPP 3700-3800 PSI, WOB 35-45 KLBS, ROT 140-150 RPM, TQ 9-14 KFT.LBS</p> <p>- REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - SURVEY EVERY 3 STANDS. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 31 M/HR</p> <p>PERFORM FIRE DRILL WITH CREW B. TAKE SCR AT 2608 M.</p> <p>VX800 SURVEYS:</p> <table><thead><tr><th>DEPTH.</th><th>INCL.</th><th>AZM.</th></tr></thead><tbody><tr><td>2549.7</td><td>0.23</td><td>320.92</td></tr></tbody></table>	DEPTH.	INCL.	AZM.	2549.7	0.23	320.92
DEPTH.	INCL.	AZM.													
2549.7	0.23	320.92													
10/09/2023	17:00 - 21:00	4.00	INT2	DRILL	RIG	N	DFAL	2,609.00	<p>AFTER CONNECTION, COULDN'T GET SIGNAL FROM MWD TOOL.</p> <p>- RESTART PUMPS WITH 900 GPM, NO SIGNAL - RESTART PUMP WITH 800, 950, 975 GPM, STILL NO SIGNAL - UN ABLE TO GO TO 1000 GPM AS SPP WAS REACHING 4250 PSI (MAX. SETTING LIMIT) - TROUBLESHOOT WITH NO SUCCESS. OBSERVED INTERRUPTED SIGNALS FEW TIMES. - DISCUSS WITH TOWN AND AGREED TO CONTINUE DRILLING UNTIL SOURCING BACK UP RSS.</p>						

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
10/09/2023	21:00 - 00:00	3.00	INT2	DRILL	RIG	P			<p>DRILL 12.25" HOLE AS PER ROAD MAP FROM 2609 M TO 2670 M. FR 890-900 GPM, SPP 3500-3900 PSI, WOB 35-40 KLBS, ROT 140-150 RPM, TQ 9-12 KFT.LBS</p> <p>- REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 27.85 M/HR</p> <p>NOTES: - AT 21:55 HRS, OBSERVED PRESSURE DROP FROM 3900 PSI TO 3600 PS. CHECKED SURFACE LINES AND MUD PUMPS, ALL GOOD. STOPPED DILUTION IN MUD SYSTEM, OBSERVED PRESSURE RETURN BACK TO 3800-3900 PSI - UNABLE TO GET VX800 SIGNALS.</p> <p>LAST VX800 SURVEY RECORDED: ----- DEPTH. INCL. AZM. 2606.67 0.10 242.29</p> <p>LAST 24 HRS DRILLING SUMMARY =====</p> <p>FOOTAGE DRILLED: 380 M DAILY BIT HRS: 14 HR AVG ROP: 27.14 M/HR</p>
11/09/2023	00:00 - 06:00	6.00	INT2	DRILL	RIG	P			<p>DRILL 12.25" HOLE AS PER ROAD MAP FROM 2670 M TO 2790 M. FR 850-900 GPM, SPP 3300-3900 PSI, WOB 35-40 KLBS, ROT 140-150 RPM, TQ 9-12 KFT.LBS</p> <p>- REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 25 M/HR - UNABLE TO GET VX800 SIGNAL.</p>

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
11/09/2023	06:00 - 20:00	14.00	INT2	DRILL	RIG	P			DRILL 12.25" HOLE AS PER ROAD MAP FROM 2790 M TO 3057 M. FR 900 GPM, SPP 3900-4500 PSI, WOB 35-40 KLBS, ROT 140-150 RPM, TQ 9-12 KFT.LBS  - REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 24 M/HR - NO VX800 SIGNAL.  - PERFORM H2S DRILL WITH CREW B - AT 2855 M, STARTED RAISING MUD WEIGHT GRADUALLY FROM 1.25 SG PRIOR TO ENTERING GHARIF. - AT 2929 M, MUD WEIGHT IN = OUT = 1.30 SG
11/09/2023	20:00 - 21:30	1.50	INT2	DRILL	RIG	N			PUMP HIVIS AND CIRCULATE HOLE CLEAN. - 900 GPM, 4200 PSI  OFFLINE: - PREPARE WL GYRO TOOL
11/09/2023	21:30 - 22:00	0.50	INT2	DRILL	RIG	N			POOH AND RACK BACK 2 STANDS. - BIT DEPTH AT 3011 M  NOTE: UNABLE TO BREAK THE CONNECTIONS WITH IRON ROUGHNECK, USED MANUAL TONGS. TQ~25 KFT.LBS
11/09/2023	22:00 - 22:15	0.25	INT2	DRILL	RIG	N			FLOW CHECK MEANWHILE TBT FOR WL GYRO
11/09/2023	22:15 - 23:00	0.75	INT2	DRILL	RIG	N			RIG UP WL GYRO EQUIPMENT. - RIG UP WL SHEAVE ON TDS AND RIG FLOOR. - RIG UP WL CABLE TO THE SHEAVES. - PERFORM DROPS CHECK LIST - PICK UP WL GYRO TOOL  NOTE: - MONITOR WELL IN TRIP TANK
11/09/2023	23:00 - 00:00	1.00	INT2	DRILL	RIG	N	DFAL	3,057.00	RIH WITH WL GYRO. - RECORD IN-RUN SURVEY
12/09/2023	00:00 - 03:30	3.50	INT2	DRILL	RIG	N	DFAL	3,057.00	CONT. WL GYRO. - RECORD IN-RUN SURVEY - RECORD OUT-RUN SURVEY - MAX INC 0.63 DEG AT 1960 M - DEEPEST SURVEY INC 0.31 DEG AT 2980 M - INCLINATION HOLDING AT LESS THAN 1 DEG.  NOTE: - MONITOR WELL IN TRIP TANK. LOSSES RATE OF 3 BBL/HR
12/09/2023	03:30 - 04:00	0.50	INT2	DRILL	RIG	N	DFAL	3,057.00	RIG DOWN GYRO TOOL AND WL SHEAVES.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
12/09/2023	04:00 - 04:15	0.25	INT2	DRILL	RIG	N	DFAL	3,057.00	WASH DOWN FROM 3011 M TO 3041 M FR 900 GPM, SPP 4100-4200 PSI,
12/09/2023	04:15 - 04:30	0.25	INT2	DRILL	RIG	N	RREP	3,041.00	MP#1 STROKES MALFUNCTIONING, WORK ON SAME
12/09/2023	04:30 - 06:00	1.50	INT2	DRILL	RIG	P			WASH DOWN TO 3057 M AND RESUME DRILLING 12.25" HOLE FROM 3057 M TO 3067 M. FR 850 GPM, SPP 4050-4200 PSI, WOB 35-40 KLBS, ROT 150 RPM, TQ 9-12 KFT.LBS  - REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 12 M/HR - CONTROLLED WOB AT 20-24 KLBS AS PER ROAD MAP PRIOR ENTERING GHARIF - AT 05:30 HRS, MP#2 PISTON FAILURE, SWITCH TO MP#1 & 3
12/09/2023	06:00 - 10:00	4.00	INT2	DRILL	RIG	P			DRILL 12.25" HOLE AS PER ROAD MAP FROM 3067 M TO 3128 M. FR 850-860 GPM, SPP 3900-4250 PSI, WOB 35-40 KLBS, ROT 140-160 RPM, TQ 9-12 KFT.LBS  - REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 25 M/HR - NO VX800 SIGNAL. - PUMP 50 BBL OF NUT SHELL AT 3098 M.  AT 9:15 MP# 3 HAD TEMP. SENSOR NOT READING. CONTINUE WITH 2 MUD PUMPS WITH 850 GPM. BACK at 10:00  TOP GHARIF @ 3070M.
12/09/2023	10:00 - 10:15	0.25	INT2	DRILL	RIG	P			TDS SERVICE.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
12/09/2023	10:15 - 14:00	3.75	INT2	DRILL	RIG	P			<p>DRILL 12.25" HOLE AS PER ROAD MAP FROM 3128 M TO 3214 M. FR 850-860 GPM, SPP 3900-4250 PSI, WOB 35-45 KLBS, ROT 140-160 RPM, TQ 9-12 KFT.LBS</p> <p>- REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - NO VX800 SIGNAL. - UNABLE TO ACHIEVE 900 GPM DUE TO HIGH SPP ~4300 PSI - PUMP 50 BBL OF NUT SHELL AT 3155 M.</p> <p>AT 12:10 MP# 2 HAD VALVE ISSUE. CONTINUE WITH 2 MUD PUMPS WITH 850 GPM.</p> <p>TOP GHARIF @ 3070M.(3M SHALLOWER)</p>
12/09/2023	14:00 - 14:45	0.75	INT2	DRILL	RIG	N	RREP	3,214.00	<p>OBSERVE WASH OUT IN THE UPPER FACE OF THE BOX SIDE OF THE TOP JOINT OF STAND # 29. LAY DOWN THE WASHED OUT SINGLE. P/UP NEW STAND.</p>
12/09/2023	14:45 - 20:00	5.25	INT2	DRILL	RIG	P			<p>DRILL 12.25" HOLE AS PER ROAD MAP FROM 3214 M TO 3293 M. FR 850-840 GPM, SPP 4200-4250 PSI, WOB 35-45 KLBS, ROT 140-160 RPM, TQ 9-12 KFT.LBS</p> <p>- REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 26.6 M/HR - NO VX800 SIGNAL. - UNABLE TO ACHIEVE 900 GPM DUE TO HIGH SPP ~4250 PSI - PUMP 50 BBL OF NUT SHELL AT 3233 M.</p> <p>AT 12:10 MP# 2 HAD VALVE ISSUE. CONTINUE WITH 2 MUD PUMPS WITH 850 GPM. TOP HAUSHI LIMESTONE @ 3236 M.(1M DEEPER)</p>
12/09/2023	20:00 - 20:30	0.50	INT2	DRILL	RIG	N	RREP	3,293.00	<p>OBSERVE WASH OUT IN THE UPPER FACE OF THE BOX SIDE OF THE TOP JOINT OF STAND # 32, RACK BACK STAND#32 AND MAKE UP STAND #33</p>



## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
12/09/2023	20:30 - 00:00	3.50	INT2	DRILL	RIG	P			<p>DRILL 12.25" HOLE AS PER ROAD MAP FROM 3293 M TO 3319 M. FR 840 GPM, SPP 4170-4250 PSI, WOB 35-45 KLBS, ROT 120-160 RPM, TQ 7-12 KFT.LBS</p> <p>- REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = XX M/HR. - ROP DROPPED F/3302M, TQ SMOOTHING F/3313M - NO VX800 SIGNAL.</p> <p>AT 23:30 MP# 3 HAD VALVE/SEAT ISSUE. CONTINUE WITH 2 MUD PUMPS WITH 800 GPM/3950PSI. TOP BASAL SAND AT 3292 M (1M DEEPER) TOP AL KHALATA AT 3304 M (ON DEPTH).</p> <p>LAST 24 HRS DRILLING SUMMARY =====</p> <p>FOOTAGE DRILLED: 262 M DAILY BIT HRS: 13.8 HRS AVG ROP: 18.99 M/HR</p>
13/09/2023	00:00 - 00:15	0.25	INT2	DRILL	RIG	P			<p>DRILL 12.25" HOLE AS PER ROAD MAP FROM 3319 M TO 3321 M. FR 800 GPM, SPP 3950 PSI, WOB 45 KLBS, ROT 120 RPM, TQ 6-7 KFT.LBS</p>
13/09/2023	00:15 - 00:45	0.50	INT2	DRILL	RIG	N	RREP	3,321.00	OBSERVE WASH OUT IN THE UPPER FACE OF THE BOX SIDE OF THE TOP JOINT OF STAND # 34, RACK BACK STAND#32 AND MAKE UP STAND #35
13/09/2023	00:45 - 06:00	5.25	INT2	DRILL	RIG	P			<p>DRILL 12.25" HOLE AS PER ROAD MAP FROM 3321 M TO 3349 M. FR 825-840 GPM, SPP 4150-4250 PSI, WOB 40-45 KLBS, ROT 110-120 RPM, TQ 6-8 KFT.LBS</p> <p>- REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 5.25 M/HR. - NO VX800 SIGNAL. - AT 05:00-05:15 HRS, MP#1 CHANGE SEAL, CONT. WITH MP#2 &amp; 3</p>

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
13/09/2023	06:00 - 09:30	3.50	INT2	DRILL	RIG	P			DRILL 12.25" HOLE AS PER ROAD MAP FROM 3349 M TO 3363 M. FR 825-840 GPM, SPP 4150-4250 PSI, WOB 40-45 KLBS, ROT 110-120 RPM, TQ 6-8 KFT.LBS  - REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 4.1 M/HR. - NO VX800 SIGNAL.
13/09/2023	09:30 - 09:45	0.25	INT2	DRILL	RIG	P			PERFORM D2 DRILL WITH CREW C.
13/09/2023	09:45 - 15:00	5.25	INT2	DRILL	RIG	P			DRILL 12.25" HOLE AS PER ROAD MAP FROM 3363 M TO 3378 M. FR 825-840 GPM, SPP 4150-4250 PSI, WOB 40-45 KLBS, ROT 120 RPM, TQ 6-8 KFT.LBS  - REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 3.2 M/HR. - NO VX800 SIGNAL.
13/09/2023	15:00 - 15:15	0.25	INT2	DRILL	RIG	N			OBSERVE WASH OUT IN THE UPPER FACE OF THE BOX SIDE OF THE TOP JOINT OF STAND # 38, RACK BACK STAND#38 AND MAKE UP STAND #39
13/09/2023	15:15 - 18:00	2.75	INT2	DRILL	RIG	P			DRILL 12.25" HOLE AS PER ROAD MAP FROM 3378 M TO 3386 M. FR 825-840 GPM, SPP 4150-4250 PSI, WOB 40-45 KLBS, ROT 120 RPM, TQ 6-8 KFT.LBS  - REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - AVG ROP = 2.33 M/HR. - NO VX800 SIGNAL.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
13/09/2023	18:00 - 00:00	6.00	INT2	DRILL	RIG	P			DRILL 12.25" HOLE AS PER ROAD MAP FROM 3386 M TO 3404 M. (SECTION TD, 168M BELOW GHARIF). FR 825-840 GPM, SPP 4150-4250 PSI, WOB 45-50 KLBS, ROT 120 RPM, TQ 4-6 KFT.LBS  - REAM 3 M F/1-1.5 MINS UP/DN EVERY CONNECTION AT 45 RPM. - PUMP 50 BBL OF HI-VIS EVERY 5 STANDS DRILLED. - STAGE-UP / STAGE DN PUMPS BEFORE / AFTER EACH CONNECTION. - PREPARE WEIGHTED PILL TO INCREASE MW FROM 1.30 SG TO 1.32 SG PRIOR POOH - COMMENCE INCREASING MW F/1.30 TO 1.32 FROM 3403M. - AVG ROP = 3.0 M/HR. - NO VX800 SIGNAL.
14/09/2023	00:00 - 02:15	2.25	INT2	DRILL	RIG	P			- PUMP 50 BBLS HVP AND CIRCULATE HOLE CLEAN. MEANWHILE RECIPROCATATE THE STRING UP \ DOWN. - MW IN \ OUT = 1.32 SG. - NO LOSSES. - AVERAGE HOLE SIZE BASED ON SWEEP LAG TIME 12.90 IN (14 % WASH OUT)
14/09/2023	02:15 - 02:45	0.50	INT2	DRILL	RIG	P			- TAKE SCR. - FLOW CHECK WELL-OK STATIC. - INSTALL AIR SLIPS
14/09/2023	02:45 - 06:00	3.25	INT2	DRILL	RIG	P			- POOH 12 1/4" BHA ON ELEVATOR FROM 3404 M TO 2627 M. - SMOOTH POOH ON ELEVATOR .  NOTES: - MONITOR WELL THROUGH TRIP TANK. - OBSERVE SLIGHT OVERPULL FROM 2765M TO 2737M UP TO 40 KLBS. CLEAR TIGHT SPOT WITH ELEVATOR ANC CONTINUE POOH.
14/09/2023	06:00 - 06:30	0.50	INT2	DRILL	RIG	P			- CONTINUE POOH 12 1/4" BHA ON ELEVATOR FROM 2627 M TO 2543 M. - OBSERVE OVER PULL REACHING 40-50 KLBS. ATTEMPT TO WORK STRING TO CLEAR TIGHT SPOT, NO SUCCESS.  NOTES: - MONITOR WELL THROUGH TRIP TANK.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
14/09/2023	06:30 - 14:30	8.00	INT2	DRILL	RIG	P			<p>- ATTEMPT TO PUMP OUT WITH 12 1/4" BHA FROM 2543 M WITH FR = 840 GPM, SPP = 3770-3600 PSI, OBSERVE OVER PULL UP TO 50 KLBS AFTER SEVERAL ATTEMPTS.</p> <p>- BACK REAM WITH 12 1/4" BHA FROM 2543 M TO 2261 M. FR 840-780 GPM, SPP 2700-3200 PSI, RPM 45 , TRQ 4 -18 KFT.LBS.</p> <p>- TIGHT SPOTS FROM 2543 M TO 2516 M</p> <p>- SMOOTH BACK REAM FROM 2516 M TO 2469 M</p> <p>- TIGHT SPOTS FROM 2469 M TO 2443 M</p> <p>- SMOOTH BACK REAM FROM 2443 M TO 2426 M</p> <p>- PUMP OUT FROM 2426 M TO 2406 M.</p> <p>TIGHT SPOT AT 2406 M</p> <p>- BACK REAM FROM 2406 M TO 2377 M</p> <p>- PUMP OUT FROM 2377 M TO 2345 M.</p> <p>TIGHT SPOT AT 2345 M</p> <p>- BACK REAM FROM 2345 M TO 2286 M. (HARD BACKREAM AT 2345-2344 M).</p> <p>- PUMP OUT FROM 2286 M TO 2261 M.</p> <p>- OBSERVE 2 X OVERTORQUED CONNECTIONS. USED MANUAL TONGS TO BREAK (60 KFT.IBF).</p>
14/09/2023	14:30 - 15:15	0.75	INT2	DRILL	RIG	P			<p>POOH 12 1/4" BHA ON ELEVATOR FROM 2261 M TO 2086 M.</p> <p>- PULL 6 STANDS SMOOTH.</p> <p>- MONITOR WELL THROUGH TRIP TANK.</p>
14/09/2023	15:15 - 18:30	3.25	INT2	DRILL	RIG	P			<p>RIH FROM 2086 M TO 3404 M (AS A CHECK TRIP)</p> <p>- RIH SLICK WITH NO HELD UP OBSERVED.</p> <p>- TAG SLIGHT HELD UP AT 3400M. CLEAR IT WHILE WASHING DOWN.</p> <p>- MONITOR WELL THROUGH TRIP TANK.</p>
14/09/2023	18:30 - 20:30	2.00	INT2	DRILL	RIG	P			<p>PUMP 50 BBLS HVP AND CIRCULATE HOLE CLEAN. MEANWHILE WASHED DOWN F/ 3399 M TO 3404 M HOLE OK. RECIPROCATATE THE STRING &amp; UP \ DOWN.- MW IN \ OUT = 1.32 SG.- NO LOSSES.- AVERAGE HOLE SIZE BASED ON SWEEP LAG TIME 12.90 IN (14 % WASH OUT)</p> <p>- NO INCREASE ON CUTTINGS AT SURFACE.</p>
14/09/2023	20:30 - 21:00	0.50	INT2	DRILL	RIG	P			<p>TAKE SCR.</p> <p>- FLOW CHECK WELL-OK STATIC.</p> <p>- INSTALL AIR SLIPS</p>

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
14/09/2023	21:00 - 00:00	3.00	INT2	DRILL	RIG	P			- POOH 12 1/4" BHA ON ELEVATOR FROM 3404 M TO 2283 M. - SMOOTH POOH ON ELEVATOR .  NOTES: - MONITOR WELL THROUGH TRIP TANK. - OBSERVE SLIGHT OVERPULL FROM 2765M TO 2737M UP TO 40 KLBS. CLEAR TIGHT SPOT WITH ELEVATOR ANC CONTINUE POOH. - L/D ONE SINGLE FOR CONNECTION CHANGE
15/09/2023	00:00 - 04:15	4.25	INT2	DRILL	RIG	P			POOH 12 1/4" BHA ON ELEVATOR FROM 3404 M TO 995 M  - SMOOTH POOH ON ELEVATOR . - @ STD 41 HAD CONNECTION OVER TQED, USED RIG TONG. - REPORTED 20 BBLs LOS100SES DURING ENTIRE TRIP OUT.
15/09/2023	04:15 - 04:30	0.25	INT2	DRILL	RIG	P			PERFORMED FLOW CHECK @ 13 3/8" CSG SHOW, WELL STATIC.
15/09/2023	04:30 - 05:45	1.25	INT2	DRILL	RIG	P			PUMPED 50 BBLs HVP AND CIRCULATE HOLE CLEAN. MEANWHILE CLEANED OUT 13 3/8" POCKET HOLE OK. RECIPROCATATE THE STRING & UP \ DOWN.- MW IN \ OUT = 1.32 SG.- NO LOSSES.
15/09/2023	05:45 - 08:00	2.25	INT2	DRILL	RIG	P			SLIP & CUT DRILL LINE - TBT PRIOR SLIP AND CUT DRILL LINE. - HANG TRAVELING BLOCK - CUT 24 M AND SLIP 12 M OF DRILL LINE. - SET CROWN-O-MATIC & KEMS AS PER ABRAJ PROCEDURE.  - PERFORM BOP FUNCTION TEST FROM DRILLER PANEL.
15/09/2023	08:00 - 08:30	0.50	INT2	DRILL	RIG	P			TBT AND CREW CHANGE HANDOVER. MEANWHILE, PUMP SLUG AND FLOW CHECK WELL.
15/09/2023	08:30 - 10:00	1.50	INT2	DRILL	RIG	P			CONT. POOH 12.25" BHA#2 ON ELEVATOR FROM 995 M TO 495 M.TOP OF BHA.  - MONITOR WELL THROUGH TRIP TANK.
15/09/2023	10:00 - 10:15	0.25	INT2	DRILL	RIG	P			FLOW CHECK AT TOP OF BHA- WELL STATIC
15/09/2023	10:15 - 11:00	0.75	INT2	DRILL	RIG	P			CONT. POH 12 1/4" BHA FROM 495 M TO 190 M. - RACK BACK ALL 5" HWDP.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
15/09/2023	11:00 - 15:00	4.00	INT2	DRILL	RIG	P			CONT. POH 12 1/4" BHA#2 FROM 190 M TO SURFACE AS BELOW:  - 8-1/4" X-OVER. - 3 X 8 1/4" DC. - L/D 8" JAR. - L/D 2 X 8 1/4" DC. - L/D 8" DLR - L/D 10 X 8 1/4" DC. - L/D PBL SUB - L/D 1 X 12 1/8" STRING STAB.(30 % BALLED UP) - L/D FILTER SUB & FLOAT SUB. - L/D RSS - L/D 12 1/4" BIT  - BIT GRADING: 1-1-WT-A-X-I-NO-TD - MONITOR WELL THROUGH TRIP TANK.
15/09/2023	15:00 - 15:15	0.25	INT2	CASING	RIG	P			- PU, MU WEAR BUSHING RETRIEVE TOOL. - RETRIEVED WEAR BUSHING
15/09/2023	15:15 - 16:00	0.75	INT2	CASING	RIG	P			- PU, MU JETTING TOOL - JET AND FLUSH BOP AND WELLHEAD - LAY DOWN JETTING TOOL AND WEAR BUSHING RUNING TOOL
15/09/2023	16:00 - 17:15	1.25	INT2	CASING	RIG	P			- REMOVE BAILS AND ELEVATOR. - REMOVE SAVER SUB
15/09/2023	17:15 - 17:30	0.25	INT2	CASING	RIG	P			PJSM WITH ALL CREW PRIOR R/U FRANKS EQUIPMENT.
15/09/2023	17:30 - 20:30	3.00	INT2	CASING	RIG	P			- RIG UP FA-1 SERVICE LOOP. - PICK UP AND RIG UP CRT. - CONDUCT DROP INSPECTION. - R/UP HYDRAULIC ELEVATOR - MU SAFETY VALVE WITH 9.5/8" WATER BUSHING.
15/09/2023	20:30 - 20:45	0.25	INT2	CASING	RIG	P			PJSM FOR 9 5/8" HANGER DUMMY RUN
15/09/2023	20:45 - 23:00	2.25	INT2	CASING	RIG	P			9-5/8" CASING HANGER DUMMY RUN: - PU AND RIH 9-5/8" CASING HANGER ACROSS ROTARY. - PU, MU LANDING JOINT TO 9-5/8" CASING HANGER. - LAND CASING HANGER IN WELL HEAD PROFILE. HOP 10.58 M BRT, STICK UP 1.37 M. - VERIFY YELLOW MARK THROUGH WH LOWER SOV'S. - POOH AND LD 9-5/8" CASING HANGER ASSEMBLY.
15/09/2023	23:00 - 00:00	1.00	INT2	CASING	RIG	P			REMOVE MASTER BUSHINGS. - INSTALLED FMS. - VERIFIED INTERLOCKING SYSTEM IS WORKING PROPERLY FOR CRT AND FMS. - EXPRO EXPERIENCED SIGNAL DETECTION WITH WIRELESS CRT UNIT

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations																		
16/09/2023	00:00 - 01:15	1.25	INT2	CASING	RIG	P			RIH WITH 9-5/8" SHOE TRACK: - PICK UP 9 5/8" REAMER SHOE,FUNCTION TEST FLOAT. OK - PU, MU AND RIH SHOE TRACK TO 51.5 M. TESTED FLOATS FUNCTIONING OK. - APPLIED BAKERLOCK ON SHOETRACK CONNECTIONS. - USED POWER TONGS FOR MAKE UP																		
16/09/2023	01:15 - 06:00	4.75	INT2	CASING	RIG	P			RIH 9 5/8", 53.5PPF, P-110, VAM TOP CASING USING FA-1 FROM 51 M TO 517 M  - FILLED UP EVERY JOINT USING FA-1 - MONITORED CORRECT DISPLACEMENT OVER SHORT ACTIVE TANKS.  - RUNNING SPEED 8-11 JNT / HR																		
16/09/2023	06:00 - 11:15	5.25	INT2	CASING	RIG	P			RIH 9 5/8", 53.5PPF, P-110, VAM TOP CASING USING FA-1 FROM 517 M TO 1185 M  - FILLED UP EVERY JOINT USING FA-1 - MONITORED CORRECT DISPLACEMENT OVER SHORT ACTIVE TANKS. - RUNNING SPEED 9-10 JNT / HR  NOTE: 9:30 BREAK CIRCULATION AT 13 3/8" SHOE AT 997 M:  <table><tr><td>FR</td><td>SPP</td><td>WT UP</td></tr><tr><td>WT DOWN</td><td></td><td></td></tr><tr><td>420 GPM</td><td>550 PSI</td><td>200 KLBS</td></tr><tr><td>200 KLBS</td><td></td><td></td></tr><tr><td>0</td><td>0</td><td>202 KLBS</td></tr><tr><td>205 KLBS</td><td></td><td></td></tr></table>	FR	SPP	WT UP	WT DOWN			420 GPM	550 PSI	200 KLBS	200 KLBS			0	0	202 KLBS	205 KLBS		
FR	SPP	WT UP																									
WT DOWN																											
420 GPM	550 PSI	200 KLBS																									
200 KLBS																											
0	0	202 KLBS																									
205 KLBS																											
16/09/2023	11:15 - 11:45	0.50	INT2	CASING	RIG	N	SFAL	1,185.00	- HAD ISSUE WITH JT# 91 M/U TORQUE ( HIGH SHOULDER). - BREAK OUT, CLEAN AND REMADE THE SAME.																		
16/09/2023	11:45 - 12:15	0.50	INT2	CASING	RIG	P			CONT. RIH 9 5/8", 53.5PPF, P-110, VAM TOP CASING USING FA-1 FROM 1185 M TO 1219 M  - FILLED UP EVERY JOINT USING FA-1 - MONITORED CORRECT DISPLACEMENT OVER SHORT ACTIVE TANKS. - RUNNING SPEED 9-10 JNT / HR																		
16/09/2023	12:15 - 12:30	0.25	INT2	CASING	RIG	N	SFAL	1,219.00	- HAD ISSUE WITH JT# 95 M/U TORQUE ( HIGH SHOULDER). - BREAK OUT, CLEAN AND REMADE THE SAME.																		
16/09/2023	12:30 - 17:30	5.00	INT2	CASING	RIG	P			CONT. RIH 9 5/8", 53.5PPF, P-110, VAM TOP CASING USING FA-1 FROM 1219 M TO 1806 M  - FILLED UP EVERY JOINT USING FA-1 - MONITORED CORRECT DISPLACEMENT OVER SHORT ACTIVE TANKS. - RUNNING SPEED 9-10 JNT / HR																		

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
16/09/2023	17:30 - 18:00	0.50	INT2	CASING	RIG	N	SFAL	1,806.00	- HAD ISSUE WITH JT# 140 M/U TORQUE (HIGH SHOULDER). - BREAK OUT, CLEAN AND REMADE THE SAME.
16/09/2023	18:00 - 19:00	1.00	INT2	CASING	RIG	P			CONT. RIH 9 5/8", 53.5PPF, P-110, VAM TOP CASING USING FA-1 FROM 1806 M TO 1970 M  - FILLED UP EVERY JOINT USING FA-1 - MONITORED CORRECT DISPLACEMENT OVER SHORT ACTIVE TANKS. - RUNNING SPEED 9-10 JNT / HR
16/09/2023	19:00 - 19:30	0.50	INT2	CASING	RIG	N	SFAL	1,970.00	- HAD ISSUE WITH JT# 152 M/U TORQUE (HIGH SHOULDER). - BREAK OUT, CLEAN AND REMADE THE SAME.
16/09/2023	19:30 - 00:00	4.50	INT2	CASING	RIG	P			CONT. RIH 9 5/8", 53.5PPF, P-110, VAM TOP CASING USING FA-1 FROM 1970 M TO 2600 M  - FILLED UP EVERY JOINT USING FA-1 - MONITORED CORRECT DISPLACEMENT OVER SHORT ACTIVE TANKS. - RUNNING SPEED 10-11 JNT / HR  OFFLINE: PREPARE AND MIX SPACER
17/09/2023	00:00 - 06:00	6.00	INT2	CASING	RIG	P			CONT. RIH 9 5/8", 53.5PPF, P-110, VAM TOP CASING USING FA-1 FROM 2600 M TO 3285 M  - FILLED UP EVERY JOINT USING FA-1 - MONITORED CORRECT DISPLACEMENT OVER SHORT ACTIVE TANKS. - RUNNING SPEED 6-7 JNT / HR
17/09/2023	06:00 - 07:15	1.25	INT2	CASING	RIG	P			CONT. RIH 9 5/8", 53.5PPF, P-110, VAM TOP CASING USING FA-1 FROM 3285 M TO 3385 M.  - FILLED UP EVERY JOINT USING FA-1 - MONITORED CORRECT DISPLACEMENT OVER SHORT ACTIVE TANKS. - RUNNING SPEED 6-7 JNT / HR
17/09/2023	07:15 - 09:30	2.25	INT2	CASING	RIG	P			- COMMENCE WASHING DOWN WITH EXTRA JNTS # 264 & 265 OF 9 5/8" CASING FROM 3386 M TO 3402 M. - 420-380 GPM, 820-1000 PSI - TAG HELD UP AND HOLE FILL FROM 3394 M. - MAX. SLACK WEIGHT = 95 KLBS - OBSERVE CUTTINGS ON SURFACE ONCE BU AT SHAKERS. 70 % CUTTINGS MAINLY FROM GHARIF - SLOW PROGRESS WITH WASHING DOWN AT 3402 M. - REAM DOWN WITH 40 RPM, 7-9 KFT.LBS, 420 GPM, 800-1150 PSI FROM 3402 M UNTIL TAG BOTTOM AT 3404 M



## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
17/09/2023	09:30 - 12:15	2.75	INT2	CASING	RIG	P			- PUMPED 100 BBLS HIVIS AND CIRCULATED HOLE CLEAN WITH 420 GPM AND 40 RPM. - PRESSURE 770-800 PSI, TRQ: 7.5-12 KFT.LBS - 5% CAVING INCREASE SEEN WHEN HIVIS WAS ON SURFACE (MAINLY FROM GHARIF)
17/09/2023	12:15 - 13:00	0.75	INT2	CASING	RIG	P			- POOH & L/D EXTRA 2 CASING JOINTS. - PICK UP POWER TONG AND HYDRAULIC HOSES
17/09/2023	13:00 - 13:45	0.75	INT2	CASING	RIG	P			TBT,PU AND MU 9-5/8" CASING HANGER ASSEMBLY TO THE STRING.
17/09/2023	13:45 - 14:45	1.00	INT2	CASING	RIG	P			- MAKE UP HANGER ASSEMBLY BY USING POWER TONG. - REMOVE FRANKS FMS & INSTALL RIG'S MASTER BUSHING. - B/O RUNNING TOOL 2 TURNS AT RIG FLOOR W/ CHAIN TONGS AND M/U SAME - DRAIN BOP STACK AND CLEAN WELLHEAD FROM TOP AND THRU SOV'S. - LAND HANGER, STICK UP WITH SAME MARK AT RIG FLOOR, CASING STRING WEIGHT ~ 490 KLBS - CAMERON CONFIRM THRU SOV THAT HANGER FULLY LANDED THROUGH YELLOW MARKS (VERIFIED BY WSL) - 9-5/8" CASING SHOE AT 3399.8 M , FC AT 3360 M.
17/09/2023	14:45 - 15:30	0.75	INT2	CASING	RIG	P			CIRCULATE HOLE CLEAN WITH 420 GPM 770 PSI PRESSURE.  OFFLINE: - R/D FRANKS POWER TONG. - R/D FRANKS FMS - MIX CMT MIXING WATER. - LOADED CMT PLUGS ON CMT HEAD
17/09/2023	15:30 - 16:45	1.25	INT2	CEMT	RIG	P			- R/U HLB CEMENT HEAD AND CHICKSAN LINES - FLUSH CEMENT LINE, CONNECT TO CEMENT HEAD - PJSM WITH ALL CREW PRIOR P/T CEMENT LINES.
17/09/2023	16:45 - 17:15	0.50	INT2	CEMT	RIG	P			PRESSURE TEST LINE TO 300/6000 PSI HIGH FOR 5 MIN - OK
17/09/2023	17:15 - 17:45	0.50	INT2	CEMT	RIG	P			- PJSM WITH ALL CREW PRIOR CONDUCTING CEMENT JOB.  MEANWHILE: - HALLIBURTON PREPARE THE MIX FLUID FOR THE JOB.
17/09/2023	17:45 - 18:15	0.50	INT2	CEMT	RIG	P			- PUMP 80 BBLS OF 1.40 SG TUNED SPACER WITH 5 LBS/BBLS BRIDGEMAKER AT 250 GPM AT 252 PSI. - SWITCH OVER TO THE HALLIBURTON UNIT. - RELEASE THE BOTTOM PLUG & CONFIRMED BY WITNESSING THE FLAG INDICATOR.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		
Rig Contractor: ABRAJ			Rig Release: 10/10/2023
Active datum: WELL @81.17m (above Mean Sea Level)			BPUOI: OMN10000302

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
17/09/2023	18:15 - 21:45	3.50	INT2	CEMT		P			<p>- LINE UP TO CEMENT UNIT AND PUMP CEMENT SLURRY</p> <p>397.5 BBLS OF 1.58 SG LEAD @ 5-6 BPM  100 BBLS OF 1.58 SG LEAD WITH 5 LBS/BBL BRIDGEMAKER @ 4-5 BPM  332.3 BBLS OF 1.58 SG LEAD @ 5-6 BPM  78.6 BBLS OF 1.89 SG TAIL @ 4-5 BPM</p> <p>- RELEASE THE TOP PLUG &amp; CONFIRMED BY WITNESSING THE FLAG INDICATOR.</p> <p>NOTE:  - OVERALL CONSTANT DENSITY DURING THE JOB.</p>

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
17/09/2023	21:45 - 00:00	2.25	INT2	CEMT	RIG	P			<p>DISPLACE 9-5/8" CEMENT</p> <p>- CEMENT UNIT PUMP 5 BBL MIX WATER @ 3 BPM</p> <p>- SWITCH TO RIG PUMPS TO DISPLACE WITH 1.19 SG SALT POLYMER MUD</p> <p>- PUMP 370 BBLS @ 6 BPM UNTIL THE PLUG REACHED THE TOP OF CEMENT, THE PRESSURE INCREASED FROM 250 PSI TO 890 PSI.</p> <p>- AFTER DISPLACING 447 BBLS STARTED RECEIVING CONTAMINATED SPACER.</p> <p>- AFTER DISPLACING 480 BBLS STARTED RECEIVING PURE SPACER.</p> <p>- AFTER DISPLACING 558 BBLS STARTED RECEIVING CONTAMINATED CEMENT.</p> <p>- AFTER DISPLACING 603 BBLS STARTED RECEIVING PURE CEMENT AT SURFACE.</p> <p>- AFTER DISPLACING 755 BBLS, RATE WAS DECREASED FROM 5 BPM TO 4 BPM AND PRESSURE DECREASED FROM 2350 PSI TO 2170 PSI.</p> <p>- AFTER DISPLACING 775 BBLS, RATE WAS DECREASED FROM 4 BPM TO 2 BPM AND PRESSURE DECREASED FROM 2255 PSI TO 2100 PSI.</p> <p>- BUMP PLUG AFTER TOTAL DISPLACEMENT OF 789.6 BBLS WITH FINAL CIRCULATION PRESSURE OF 2500 PSI.</p> <p>- INCREASED THE PRESSURE BY 500 PSI.</p> <p>- LINE UP TO CEMENT UNIT EQUALIZE SPP.</p> <p>- BLEED OFF TO ZERO. BLEED BACK VOLUME 6.2 BBL. MONITOR FOR 10 MIN AND CONFIRM FLOATS HOLDING.</p> <p>- NO LOSSES WERE REPORTED WHILE PUMPING CEMENT AND WHILE DISPLACEMENT.</p> <p>CEMENT IN PLACE AT 24:00 HRS</p> <p>NOTES:</p> <p>- DUMP 47 BBLS CONTAMINATED MUD AND SPACER.</p> <p>- DUMP 68 BBLS PURE SPACER.</p> <p>- DUMP 48 BBLS CONTAMINATED CEMENT.</p> <p>- DUMP 193 BBLS PURE CEMENT.</p>
18/09/2023	00:00 - 01:00	1.00	INT2	CEMT	RIG	P			<p>- FLUSH CEMENT LINE AND BOP STAK.</p> <p>- R/D CEMENT LINE AND CROSS-OVER</p> <p>- R/D CEMENT HEAD</p>
18/09/2023	01:00 - 02:00	1.00	INT2	CEMT	RIG	P			<p>- BACK OFF RUNNING TOOL FROM CASING HANGER.</p> <p>- BREAK OUT AND LAYDOWN LANDING JOINT AND RUNNING TOOL.</p>

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
18/09/2023	02:00 - 04:30	2.50	INT2	CEMT	RIG	P			RIG DOWN FRANKS TRS : - R/D FA-1 - R/D CONTROL PANEL - R/D FA-1 SERVICE LOOP  MONITOR WELL THROUGH TRIP TANK, STATIC.
18/09/2023	04:30 - 05:30	1.00	INT2	CEMT	RIG	P			INSTALL RIG SAVER SUB - INSTALL TDS BAILS - INSTALL ELEVATOR.
18/09/2023	05:30 - 06:00	0.50	INT2	BOPSUR	RIG	P			MAKE UP CAMERON JETTING TOOL JET WASH BOP. JET WASH BOP FUNCTION BOP'S AND JET SEAL ASSEMBLY PROFILE.
18/09/2023	06:00 - 06:45	0.75	INT2	BOPSUR	RIG	P			M/U 9 5/8" CASING SSMC SEAL ASSEMBLY & LANDED IN THE WELLHEAD. - VERIFIED YELLOW MARKS FOR RUNNING TOOL THROUGH UPPER SOV. - SET SEAL ASSY WITH 3 1/2 TURNS. FOLLOWING CAM ENG INSTRUCTION. - VERIFIED LATCHING WITH 30 KLBS OVERPULL.
18/09/2023	06:45 - 08:00	1.25	INT2	BOPSUR	RIG	P			- INSTALL CAMERON TEST PUMP AND RECORDING CHART TO PRESSURE TEST SEAL ASSEMBLY. - PRESSURE TEST THE SEAL ASSEMBLY TO 300 PSI LOW & 8000 PSI HIGH FOR 15 MINUTES- GOOD TEST. - L/D SEAL ASSEMBLY RUNNING TOOL.
18/09/2023	08:00 - 08:45	0.75	INT2	BOPSUR	RIG	P			HELD TBT AND PREPARE TO CHANGE OUT KILL LINE HCR. ISOLATE HCR 4 WAY VALVE (PUT IN NEUTRAL POSITION). - PREPARE TO P/UP DRILL PIPES IN MOUSE HOLE.
18/09/2023	08:45 - 11:45	3.00	INT2	BOPSUR	RIG	P			- CHANGE OUT KILL SIDE HCR TO A BACKUP INSPECTED ONE (SN# IO00122267-2) - FUNCTION TEST THE VALVE - MEANWHILE, P/UP AND RACK BACK 12 X 19.5# 5" DP STANDS
18/09/2023	11:45 - 12:15	0.50	INT2	BOPSUR	RIG	P			TBT FOR BOP PRESSURE TEST - P/UP AND M/UP TEST ASSEMBLY. - RUN AND INSTALL TEST ASSEMBLY  OFFLINE: LINE UP TO TEST KILL SIDE HCR FROM OPPOSITE DIRECTION OF FLOW.
18/09/2023	12:15 - 13:15	1.00	INT2	BOPSUR	RIG	P			P/T KILL SIDE HCR FROM OPPOSITE DIRECTION OF FLOW TO 300/10000 PSI. GOOD TEST.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
18/09/2023	13:15 - 18:15	5.00	INT2	BOPSUR	RIG	P			<p>PRESSURE TEST BOPS AS PER ABRAJ PROCEDURE</p> <p>- TEST 1: LPR AND FOSV #1 FOR 250-350 PSI LOW / 8000 PSI HIGH FOR 5 MINS. TEST OK.</p> <p>- TEST 2: UPR, INNER KILL VALVE #54, INNER CHOKE VALVE #56MKV, MCV, AND L-IBOP FOR 250-350 PSI LOW / 8000 PSI HIGH FOR 5 MINS. TEST OK.</p> <p>- TEST 3: UPR, OUTER KILL HCR VALVE #55, OUTER CHOKE HCR V #57 HCR AND U-IBOP FOR 250-350 PSI LOW / 10000 PSI HIGH FOR 5 MINS. TEST OK.</p> <p>- TEST 4: CHOKE LINE COFLEX HOSE, KILL LINE HCR, CHOKE MANIFOLD MASTER VALVE (# 78) AND U-IBOP FOR 300 PSI LOW / 8000 PSI HIGH FOR 5 MINS. TEST OK.</p> <p>- TEST 5: ANNULAR WITH 5" DP FOR 250-350 PSI LOW / 3500 PSI HIGH FOR 5 MINS. TEST OK.</p> <p>- BACKOUT TEST PLUG AND RETRIEVE TEST STRING.</p> <p>- CHANGE OVER LINE UP TO PUMP THROUGH CHOKE MANIFOLD .</p> <p>- TEST 6: ( TEST BLIND SHEAR RAM, CHOKE LINE, KILL LINE AND LO-TORQ VALVE, CHOKE MANIFOLD VALVES 61, 62, AND 79 ), LOW 250-350 PSI-LOW / 8000 PSI HIGH FOR 5 MINS. TEST OK.</p> <p>- PERFORM CHAMBER TEST FOR THE NEW KILL SIDE HCR TO 3000 PSI 5 MIN OPEN/CLOSE.</p>
18/09/2023	18:15 - 18:45	0.50	INT2	BOPSUR	RIG	P			- RIG DOWN TEST ASSEMBLY.
18/09/2023	18:45 - 19:15	0.50	INT2	DRILL	RIG	P			- INSTALL WEAR BUSHING
18/09/2023	19:15 - 20:30	1.25	INT2	DRILL	RIG	P			<p>***** 9.5/8" CASING INTEGRITY TEST *****</p> <p>PRESSURE UP 9 5/8" CSG AT SLOW PUMP RATE 0.4-0.5 BBL/MIN.</p> <p>- PERFORMED 9.5/8" CASING INTEGRITY TEST TO 6600 PSI - GOOD TEST.</p> <p>PUMPED VOLUME= BLED VOLUME = 13.4 BBL.</p> <p>- RIG DOWN SURFACE LINES</p> <p>- FUNCTION TEST SHEAR RAM</p>

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
18/09/2023	20:30 - 00:00	3.50	INT2	DRILL	RIG	P			TBT AND P/U & M/U 8 3/8" MOTOR BHA #1 TO 136 M  - 8 3/8" TKC66 BIT, NOZZLES: 6X14, S/N S298559 - 6-3/4" MUD MOTOR WITH NON-PORTED FLOAT VALVE (0.28 REV/GAL) - 8 1/4" STRING STAB W/ TOTCO RING - 1 x 6-1/2" DC JOINT - 8 1/4" STRING STAB - 13 x 6-1/2" DC JOINT  NOTE: SHALLOW TEST MUD MOTOR AS PER MOTOR ENG: 420 GPM - SPP 440 PS 480 GPM - SPP 545 PSI - MONITOR DISPLACEMENT THROUGH TRIP TANK
19/09/2023	00:00 - 03:00	3.00	INT2	DRILL	RIG	P			CONT. P/U & M/U 8 3/8" MOTOR BHA #1 FROM 220 M TO 537 M - 9 x 6 1-2" DC JOINTS - 6-1/2" JAR - 3 x 6-1/2" DC JOINT - 30 x 4" HWDP JOINTS  - WEIGHT BELOW JARS : 55 KLBS - TOTAL WEIGHT OF BHA : 100 KLB - MONITOR DISPLACEMENT THROUGH TRIP TANK - SINGLE IN 6-1/2" DC JTS FROM PIPE CAT.
19/09/2023	03:00 - 06:30	3.50	INT2	DRILL	RIG	P			RUN IN HOLE WITH 8 3/8" MOTOR BHA FROM 537 M TO 1070 M - SINGLE IN 5" 19.5 PPF DP FROM PIPE CAT. TOTAL 54 JOINTS.  - MONITORED WELL ON TRIP TANK WITH TRIP SHEET - PERFORMED D1 DRILL FOR CREW - C - PERFORMED FUNCTION TEST BOP - FILL STRG EVERY 20 STDS
19/09/2023	06:30 - 12:00	5.50	INT2	DRILL	RIG	P			CONT. RIH HOLE WITH 8 3/8" MOTOR BHA FROM 1070 M TO 3304 M - RUN 5" DP FROM DERRICK  - FILLUP STRING EVERY 15 STANDS RIH - MONITORED WELL ON TRIP TANK WITH TRIP SHEET  PERFORM D1 DRILL WITH CREW D
19/09/2023	12:00 - 12:45	0.75	INT2	DRILL	RIG	P			- WASH DOWN WITH 8 3/8 " MOTORIZED BHA FROM 3304 M TO 3360 M. - TAGGED FLOAT COLLAR AT 3360 M WITH 10KLBS. - 400 GPM, 1450 PSI
19/09/2023	12:45 - 13:00	0.25	INT2	DRILL	RIG	P			- PULL OUT AND RACK BACK 2 STANDS.
19/09/2023	13:00 - 13:15	0.25	INT2	DRILL	RIG	P			- TBT FOR SLIP DRILL LINE.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
19/09/2023	13:15 - 14:15	1.00	INT2	DRILL	RIG	P			SLIP DRILL LINE - PARKED TDS AND HANG BLOCK . - SLIP 12 M OF DRILL LINE. - CALIBRATED RIG BLOCK HEIGHT AND SET KEMS & CROWN-O-MATIC. - CALIBRATED MUD LOGGERS BLOCK HEIGHT.  MEANWHILE, MONITOR WELL THROUGH TRIP TANK, STATIC
19/09/2023	14:15 - 15:00	0.75	INT2	DRILL	RIG	P			SERVICE TDS.
19/09/2023	15:00 - 17:45	2.75	INT2	DRILL	RIG	P			CONDUCT, D4 & D5 DRILLS WITH CREW ( D ).  - INSTALL FOSV, GRAY VALVE & 1 STD 5" DP. CONNECT TDS - CLOSE ANNULAR PREVENTER & OPEN HCR & STRIPPING BOTTLE - REDUCE ANNULAR PRESSURE TO 600 PSI. - RAISE CASING PRESSURE TO 600 PSI. (NOTE: UNABLE TO SEAL PRESSURE WITH 400 PSI CLOSING PRESSURE, INCREASE GRADUALLY TO 600 PSI) - PREPARED TOOL JOINT FOR STRIPPING. - STRIPPED IN WHILE MAINTAINING CONSTANT CASING PRESSURE. - STRIP TOOL JOINT WITH 50 KLB WEIGHT. - PERFORMED D4 DRILL WITH CREW, GOOD UNDERSTANDING AND CONTROL ON CHOKE. - HELD AFTER ACTION REVIEW WITH CREW. CREW PERFORMED WELL IN DISCUSSION AND THROUGHOUT THE DRILL. - BLEED BACK CSG PRESSURE TO ZERO. - FLUSH MGS AS PER ABRAJ PROCEDURES - LINE UP FOR DRILLING.  NOTE: FOUND STRIP LINE AND MGS MUD SEAL LINES BLOCKED, CLEAN BOTH.
19/09/2023	17:45 - 18:45	1.00	INT2	DRILL	RIG	P			WASH DOWN FROM TO 3360 M  TAKE SCRS WITH MP 1 & 2.  RECORDED PUMP OFF FINGERPRINT AT 400 GPM: RIG (22 BBLS), ML (22 BBLS) AT 530 GPM: RIG (33 BBLS), ML (33 BBLS) AT 550 GPM: RIG (34 BBLS), ML (34 BBLS)

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
19/09/2023	18:45 - 20:30	1.75	INT2	DRILL	RIG	P			WASH DOWN AND TAG TOC AT 3360 M. - DRILL CEMENT PLUGS AND FLOAT COLLAR FROM 3360 M TO 3361.25 M (30 MINS) FR 405 GPM, SPP 1450-1550 PSI, WOB 8-12 KLBS, RPM 40 , TRQ 2-7 KFT.LBS.  - DRILL SHOE TRACK FROM 3361.25 M TO 3389.75 M (45 MINS) FR 405 GPM, SPP 1700-2050 PSI, WOB 3-8 KLBS, RPM 40 , TRQ 3-8 KFT.LBS.
19/09/2023	20:30 - 20:45	0.25	INT2	DRILL	RIG	P			PERFORMED FLOW CHECK PRIOR DRILLING SHOE TRACK. - SPACED OUT DRILLING STING SO NO CONNECTION REQUIRED WHILE DRILLING RAT HOLE
19/09/2023	20:45 - 21:30	0.75	INT2	DRILL	RIG	P			WASH DOWN AND TAG TOC AT 3389.75 M.  - DRILL SHOE TRACK AND REAMER SHOE FROM 3389.75 M TO 3400.3 M (30 MINS) FR 405 GPM, SPP 1250-1450 PSI, WOB 3-8 KLBS, RPM 40 , TRQ 3-8 KFT.LBS. - CLEARED RAT HOLE FROM 3400.3 M TO 3404.7 M (15 MINS) FR 405 GPM, SPP 1200-1400 PSI, WOB 3-12 KLBS, RPM 40 , TRQ 4 - 7 KFT.LBS. -WIPE FULL STAND THROUGH FLOAT SHOE 2 TIMES WITH AND WITHOUT PUMP
19/09/2023	21:30 - 21:45	0.25	INT2	DRILL	RIG	P			PERFORMED FLOW CHECK PRIOR DRILLING NEW FORMATION.
19/09/2023	21:45 - 22:30	0.75	INT2	DRILL	RIG	P			DRILL OUT NEW FORMATION FROM 3404 M TO 3410 M. WOB: 10-15 KLB, FLOW RATE: 405 GPM,SPP: 1480 PSI, SURFACE PRM 40 , TRQ 4-7 KFT.LBS, DIFF PRESSURE 100-150 PSI.
19/09/2023	22:30 - 23:30	1.00	INT2	DRILL	RIG	P			CIRCULATE BOTTOMS UP WITH 450-500 GPM, SPP 2250-3050 PSI MW IN 1.19 SG MW OUT 1.19 SG
19/09/2023	23:30 - 23:45	0.25	INT2	DRILL	RIG	P			RIG UP SURFACE LINE FOR FIT
19/09/2023	23:45 - 00:00	0.25	INT2	DRILL	RIG	P			PJSM WITH CREW PRIOR FIT.
20/09/2023	00:00 - 03:00	3.00	INT2	DRILL	RIG	P			***** FIT AT ALKHALATA FORMATION (9-5/8" CASING SHOE) (MW - 1.19 SG) (EMW=1.638 SG) ***** - LINE UP FOR FIT. - PUMP AT 0.4 BPM UP TO 2175 PSI - INITIAL FIT SURFACE PRESSURE ACHIEVED = 2200 PSI - FINAL FIT SURFACE PRESSURE = 2085 PSI - AL KHALATA FIT EMW: 1.64 SG EMW - BLED OFF PRESSURE TO ZERO - VOL PUMPED: 4.6 BBL, VOL RETURNED = 4.5 BBLS. - CONFIRM ZERO PRESSURE BELOW BOP. OPEN UPR.



## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
20/09/2023	03:00 - 03:30	0.50	INT2	DRILL	RIG	P			RD DOWN SURFACE LINES. - FLUSH KILL LINE, CHOCK LINE AND MGS AS PER ABRAJ PROCEDURE.
20/09/2023	03:30 - 06:00	2.50	PROD1	DRILL	RIG	P			WASH DOWN TO 3410 M AND RESUME DRILLING 8.3/8" SECTION FROM 3410 M TO 3421 M. FR 405 GPM , SPP 1300 -1450 PSI, WOB 5-15 KLB , RPM 40 , TRQ 3-7 KFT.LBS , DIFF PRESSURE 140 PSI.  AVG ROP: 4.42 M/HR
20/09/2023	06:00 - 23:30	17.50	PROD1	DRILL	RIG	P			DRILLING 8.3/8" SECTION FROM 3421 M TO 3683 M. FR 405-530 GPM , SPP 1450-2500 PSI, WOB 15-25 KLB, RPM 40-55 , TRQ 3-7 KFT.LBS, DIFF PRESSURE 200-300 PSI.  AVG ROP: 17.21 M/HR  - DRILLED WITH CONTROL PARAMETERS TILL UPPER STAB IS OUT OF THE CASING SHOE. - TOP OF SAFIQ = 3445 M. DAILY DRILLING SUMMARY =====
20/09/2023	23:30 - 23:45	0.25	PROD1	DRILL	RIG	P			FOOTAGE DRILLED: 279 M DAILY BIT HRS: 17.23 HR AVG ROP: 17.21 M/HR
20/09/2023	23:45 - 00:00	0.25	PROD1	DRILL	RIG	P			TDS SERVICES ( GREASE WASH PIPE)
21/09/2023	00:00 - 06:00	6.00	PROD1	DRILL	RIG	P			TAKE SCR. PUMP#2 30 SPM 200 PSI 40 SPM 285 PSI - TOOK FLOW BACK BASE LINE WITH 540 GPM ==> 33 BBLS
21/09/2023	06:00 - 09:00	3.00	PROD1	DRILL	RIG	P			DRILLING 8.3/8" SECTION FROM 3683 M TO 3766 M. FR 540-550 GPM , SPP 2250-2500 PSI, WOB 28-35 KLB, RPM 50-60 , TRQ 6-8 KFT.LBS, DIFF PRESSURE 100-200 PSI.  AVG ROP: 16.89 M/HR  - TOP OF UPPER GHUDUN = 3708 M.
21/09/2023	09:00 - 09:15	0.25	PROD1	DRILL	RIG	P			DRILLING 8.3/8" SECTION FROM 3766 M TO 3793 M. FR 540-550 GPM, SPP 2450-2500 PSI, WOB 28-35 KLB, RPM 50-60 , TRQ 6-8 KFT.LBS, DIFF PRESSURE 100-200 PSI.  AVG ROP: 8.62 M/HR
21/09/2023	09:00 - 09:15	0.25	PROD1	DRILL	RIG	P			TDS SERVICE.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
21/09/2023	09:15 - 15:00	5.75	PROD1	DRILL	RIG	P			DRILLING 8.3/8" SECTION FROM 3793 M TO 3867 M. FR 540-550 GPM, SPP 2450-2500 PSI, WOB 28-35 KLB, RPM 50-60 , TRQ 6-8 KFT.LBS, DIFF PRESSURE 100-200 PSI.  AVG ROP: 15.4 M/HR  PERFORM FIRE AND H2S FOR CREW D.
21/09/2023	15:00 - 15:15	0.25	PROD1	DRILL	RIG	P			PERFORM D2 AND D6 DRILLS WITH CREW D. ADDED VOLUME TO THE ACTIVE SYSTEM SLOWLY. BOTH DRILLER AND ML RESPONDED TO THE INCREASE. DRILLER FOLLOWED PROCEDURE BY PICKING UP AND FLOW CHECK WELL. GOOD RESPONSE.
21/09/2023	15:15 - 18:00	2.75	PROD1	DRILL	RIG	P			DRILLING 8.3/8" SECTION FROM 3867 M TO 3880 M. FR 540-550 GPM, SPP 2450-2500 PSI, WOB 28-35 KLB, RPM 50-60 , TRQ 6-8 KFT.LBS, DIFF PRESSURE 100-200 PSI.  AVG ROP: 5 M/HR  PERFORM FIRE AND H2S FOR CREW D.
21/09/2023	18:00 - 23:45	5.75	PROD1	DRILL	RIG	P			DRILLING 8.3/8" SECTION FROM 3880 M TO 3910 M. FR 540-550 GPM, SPP 2450-2500 PSI, WOB 35-40 KLB, RPM 50-60 , TRQ 4-9 KFT.LBS, DIFF PRESSURE 100-200 PSI. DAILY DRILLING SUMMARY =====
21/09/2023	23:45 - 00:00	0.25	PROD1	DRILL	RIG	P			FOOTAGE DRILLED: 227 M DAILY BIT HRS: 21.32 HR AVG ROP: 10.65 M/HR
21/09/2023	23:45 - 00:00	0.25	PROD1	DRILL	RIG	P			PERFORMED TDS SERVICES - GREASED WASH PIPE-
22/09/2023	00:00 - 06:00	6.00	PROD1	DRILL	RIG	P			DRILLING 8.3/8" SECTION FROM 3910 M TO 3936 M. FR 540-550 GPM, SPP 2450-2500 PSI, WOB 35-40 KLB, RPM 50-60 , TRQ 4-9 KFT.LBS, DIFF PRESSURE 100-200 PSI. DAILY DRILLING SUMMARY =====
22/09/2023	06:00 - 18:00	12.00	PROD1	DRILL	RIG	P			FOOTAGE DRILLED: 26 M DAILY BIT HRS: 6 HR AVG ROP: 4.62M/HR
22/09/2023	06:00 - 18:00	12.00	PROD1	DRILL	RIG	P			DRILLING 8.3/8" SECTION FROM 3936 M TO 3982 M. FR 540-550 GPM, SPP 2450-2600 PSI, WOB 30-38 KLB, RPM 40-50 , TRQ 6-8 KFT.LBS, DIFF PRESSURE 100-200 PSI.  =====
									FOOTAGE DRILLED: 46 M DAILY BIT HRS: 12 HR AVG ROP: 4.2 M/HR

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
22/09/2023	18:00 - 21:00	3.00	PROD1	DRILL	RIG	P			DRILLING 8.3/8" SECTION FROM 3982 M TO 3994 M. FR 540-550 GPM, SPP 2450-2500 PSI, WOB 35-40 KLB, RPM 50-60 , TRQ 4-9 KFT.LBS, DIFF PRESSURE 100-200 PSI. DAILY DRILLING SUMMARY =====
									FOOTAGE DRILLED: 12 M DAILY BIT HRS: 3 HR AVG ROP: 4 M/HR
22/09/2023	21:00 - 21:15	0.25	PROD1	DRILL	RIG	P			PERFORMED TDS SERVICES - GREASED WASH PIPE-
22/09/2023	21:15 - 00:00	2.75	PROD1	DRILL	RIG	P			DRILLING 8.3/8" SECTION FROM 3994 M TO 4008 M. FR 540-550 GPM, SPP 2450-2500 PSI, WOB 35-40 KLB, RPM 50-60 , TRQ 4-9 KFT.LBS, DIFF PRESSURE 100-200 PSI. DAILY DRILLING SUMMARY =====
									FOOTAGE DRILLED: 13 M DAILY BIT HRS: 2.75 HR AVG ROP: 4.73 M/HR
23/09/2023	00:00 - 06:00	6.00	PROD1	DRILL	RIG	P			DRILLING 8.3/8" SECTION FROM 4008 M TO 4032 M. FR 540-550 GPM, SPP 2450-2500 PSI, WOB 35-39 KLB, RPM 40-50 , TRQ 4-9 KFT.LBS, DIFF PRESSURE 100-200 PSI. DAILY DRILLING SUMMARY =====
									AVG ROP: 4.42 M/HR
23/09/2023	06:00 - 10:45	4.75	PROD1	DRILL	RIG	P			DRILLING 8.3/8" SECTION FROM 4032 M TO 4050 M. FR 540-550 GPM, SPP 2450-26500 PSI, WOB 35-36 KLB, RPM 40-50 , TRQ 4-9 KFT.LBS, DIFF PRESSURE 100-200 PSI.
									AVG. ROP = 4.2 M/HR
23/09/2023	10:45 - 11:00	0.25	PROD1	DRILL	RIG	P			TDS SERVICE.
23/09/2023	11:00 - 17:45	6.75	PROD1	DRILL	RIG	P			DRILLING 8.3/8" SECTION FROM 4050 M TO 4078 M. FR 540-550 GPM, SPP 2450-2650 PSI, WOB 35-36 KLB, RPM 40-50 , TRQ 4-9 KFT.LBS, DIFF PRESSURE 100-200 PSI.
									AVG. ROP = 3.9 M/HR
23/09/2023	17:45 - 19:00	1.25	PROD1	DRILL	RIG	N	RREP	4,078.00	- OBSERVE LEAK FROM TDS WASH PIPE. - STOP DRILLING AND RACK BACK 1 STAND - CHANGE OUT WASH PIPE AS PER ABRAJ PROCEDURE - PRESSURE TEST WASH PIPE TO 1500 PSI  MEANWHILE, MONITOR WELL THROPUGH TRIP TANK.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
23/09/2023	19:00 - 00:00	5.00	PROD1	DRILL	RIG	P			DRILLING 8.3/8" SECTION FROM 4078 M TO 4097 M. FR 540-550 GPM, SPP 2450-2680 PSI, WOB 35-38 KLB, RPM 40-50 , TRQ 5-10 KFT.LBS, DIFF PRESSURE 100-225 PSI.  =====
									FOOTAGE DRILLED: 89 M DAILY BIT HRS: 22.3 HR AVG ROP: 3.99 M/HR
24/09/2023	00:00 - 04:45	4.75	PROD1	DRILL	RIG	P			DRILLING 8.3/8" SECTION FROM 4097 M TO 4114 M. FR 540-550 GPM, SPP 2550-2780 PSI, WOB 35-38 KLB, RPM 40-50 , TRQ 5-10 KFT.LBS, DIFF PRESSURE 100-225 PSI.  AVG ROP 3.93 M/HR
24/09/2023	04:45 - 05:00	0.25	PROD1	DRILL	RIG	P			OBSERVED INCREASE IN FLOW OUT PERFORMED FLOW CHECK, WELL STATIC FOUND RIG FLOWBACK SENSORE GAVE FALSE READING
24/09/2023	05:00 - 06:00	1.00	PROD1	DRILL	RIG	P			DRILLING 8.3/8" SECTION FROM 4114 M TO 4117 M. FR 540-550 GPM, SPP 2550-2780 PSI, WOB 35-38 KLB, RPM 40-50 , TRQ 5-10 KFT.LBS, DIFF PRESSURE 100-225 PSI.  AVG ROP 3 M/HR
24/09/2023	06:00 - 18:00	12.00	PROD1	DRILL	RIG	P			DRILLING 8.3/8" SECTION FROM 4117 M TO 4158 M. FR 540-550 GPM, SPP 2600-2780 PSI, WOB 35-41 KLB, RPM 40-50, TRQ 5-10 KFT.LBS, DIFF PRESSURE 100-225 PSI.  PERFORM DRILL OFF TEST WITH DIFFERENT PARAMETERS AS FOLLOW: WOB RPM AVG. ROP 37 50 3.6 39 40 3.2 41 40 3.6 41 50 3.5  AVG ROP = 3.56 M/HR
24/09/2023	18:00 - 21:15	3.25	PROD1	DRILL	RIG	P			DRILLING 8.3/8" SECTION FROM 4158 M TO 4167 M. FR 540-550 GPM, SPP 2600-2780 PSI, WOB 38-43 KLB, RPM 40-50, TRQ 5-10 KFT.LBS, DIFF PRESSURE 100-225 PSI.  PERFORM DRILL OFF TEST WITH DIFFERENT PARAMETERS AS FOLLOW: WOB RPM AVG. ROP 43 40 2.8
24/09/2023	21:15 - 21:30	0.25	PROD1	DRILL	RIG	P			PERFORMED TDS SERVICES ( GREASED WASH PIPE)

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
24/09/2023	21:30 - 00:00	2.50	PROD1	DRILL	RIG	P			DRILLING 8.3/8" SECTION FROM 4167 M TO 4174 M. FR 540-550 GPM, SPP 2725-2825 PSI, WOB 38-40 KLB, RPM 40-50, TRQ 5-10 KFT.LBS, DIFF PRESSURE 100-150 PSI.  =====
									FOOTAGE DRILLED: 77 M DAILY BIT HRS: 22.9 HR AVG ROP: 3.36 M/HR
25/09/2023	00:00 - 17:15	17.25	PROD1	DRILL	RIG	P			DRILLING 8.3/8" SECTION FROM 4174 M TO 4224 M. FR 540-550 GPM, SPP 2800-2950 PSI, WOB 38-43 KLB, RPM 40-50, TRQ 5-10 KFT.LBS, DIFF PRESSURE 50-150 PSI. PERFORM DOT @ WOB 43 KLB NO CHANGE IN ROP. RELAXED BIT  AVG ROP 3.1 M/HR.  - AT 08:00 HRS FUNCTION TEST BOP FROM DRILLER PANEL.
25/09/2023	17:15 - 17:45	0.50	PROD1	DRILL	RIG	P			SERVICE TDS.
25/09/2023	17:45 - 18:30	0.75	PROD1	DRILL	RIG	N		4,224.00	ATTEMPT TO BREAK CONNECTION AFTER TDS SERVICE -UNABLE. HAD ISSUE WITH TDS DRILLER SIDE MOTOR PHASE LOST, CONT. DRILLING WITH ONE MOTOR ODS. MEANWHILE TROUBLESHOT THE ISSUE WITH THE FAULT ON THE DS TDS MOTOR.
25/09/2023	18:30 - 23:15	4.75	PROD1	DRILL	RIG	P			CONT. DRILLING 8.3/8" SECTION FROM 4224 M TO 4235 M FR 550 GPM, SPP 2950-3000 PSI, WOB 40-43 KLB, RPM 40-50, TRQ 5-10 KFT.LBS, DIFF PRESSURE 50-150 PSI.  -AT 21:30 HRS THE TDS MOTOR ISSUE IS RESOLVED.  =====
									FOOTAGE DRILLED: 61 M DAILY BIT HRS: 21.1 HR AVG ROP: 3.12 M/HR
25/09/2023	23:15 - 00:00	0.75	PROD1	DRILL	RIG	N		4,234.00	OBSERVED LEAK IN TDS SAVER SUB. CHANGED SAME
26/09/2023	00:00 - 03:30	3.50	PROD1	DRILL	RIG	N		4,234.00	OBSERVED LEAK IN TDS SAVER SUB. -CHANGED SAVER SUB -CHANGED GRABBER DIES
26/09/2023	03:30 - 11:45	8.25	PROD1	DRILL	RIG	P			CONT. DRILLING 8.3/8" SECTION FROM 4135 M TO 4253 M. FR 540-550 GPM, SPP 2850-3000 PSI, WOB 38-43 KLB, RPM 40-50, TRQ 5-10 KFT.LBS, DIFF PRESSURE 50-150 PSI.  AVG ROP 2.4 M/HR.
26/09/2023	11:45 - 12:15	0.50	PROD1	DRILL	RIG	P			SERVICE TDS.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
26/09/2023	12:15 - 12:45	0.50	PROD1	DRILL	RIG	N		4,253.00	UNABLE TO BREAK BETWEEN THE SAVER SUB AND DP DUE TO HIGH TORQUE , REACH UP TO 46 KFT.LB. USED THE MANUAL TONG TO BREAK OUT THE CONNECTION BETWEEN THE DP AND SAVER SUB.
26/09/2023	12:45 - 23:15	10.50	PROD1	DRILL	RIG	P			CONT. DRILLING 8.3/8" SECTION FROM 4253 M TO 4283 M. FR 540-550 GPM, SPP 2850-3000 PSI, WOB 38-43 KLB, RPM 40-50 , TRQ 5-10 KFT.LBS, DIFF PRESSURE 50-100 PSI.  =====
26/09/2023	23:15 - 00:00	0.75	PROD1	DRILL	RIG	N			FOOTAGE DRILLED: 48 M DAILY BIT HRS: 18.4 HR AVG ROP: 2.61 M/HR CHANGED TDS SAVER SUB.
27/09/2023	00:00 - 00:15	0.25	PROD1	DRILL	RIG	N			CHANGED TDS SAVER SUB.
27/09/2023	00:15 - 00:30	0.25	PROD1	DRILL	RIG	P			PERFORMED SERVICE TDS
27/09/2023	00:30 - 06:00	5.50	PROD1	DRILL	RIG	P			CONT. DRILLING 8.3/8" SECTION FROM 4283 M TO 4293 M. FR 540-550 GPM, SPP 2850-3000 PSI, WOB 38-43 KLB, RPM 40-50 , TRQ 5-10 KFT.LBS, DIFF PRESSURE 50-100 PSI.  - REDUCED RPM TO 40 RPM SINCE 05:00 AM. AVG ROP 2.1 M/HR.
27/09/2023	06:00 - 13:30	7.50	PROD1	DRILL	RIG	P			CONT. DRILLING 8.3/8" SECTION FROM 4293 M TO 4310 M. FR 540-550 GPM, SPP 2850-3000 PSI, WOB 38-43 KLB, RPM 40-50 , TRQ 5-10 KFT.LBS, DIFF PRESSURE 50-100 PSI.  AVG ROP 2.27 M/HR.
27/09/2023	13:30 - 13:45	0.25	PROD1	DRILL	RIG	P			PERFORMED TDS SERVICES ( GREASED WASH PIPE)
27/09/2023	13:45 - 18:00	4.25	PROD1	DRILL	RIG	P			CONT. DRILLING 8.3/8" SECTION FROM 4310 M TO 4320 M. FR 540-550 GPM, SPP 2850-3000 PSI, WOB 38-43 KLB, RPM 40-50 , TRQ 5-10 KFT.LBS, DIFF PRESSURE 50-100 PSI.  AVG ROP = 2.34 M/HR
27/09/2023	18:00 - 00:00	6.00	PROD1	DRILL	RIG	P			CONT. DRILLING 8.3/8" SECTION FROM 4320 M TO 4333 M. FR 540-550 GPM, SPP 2850-3000 PSI, WOB 38-43 KLB, RPM 40-50 , TRQ 5-10 KFT.LBS, DIFF PRESSURE 50-100 PSI.  =====
									FOOTAGE DRILLED: 50 M DAILY BIT HRS: 22.61 HR AVG ROP: 2.21 M/HR

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
28/09/2023	00:00 - 03:45	3.75	PROD1	DRILL	RIG	P			CONT. DRILLING 8.3/8" SECTION FROM 4333 M TO 4341 M. FR 540-550 GPM, SPP 2850-3000 PSI, WOB 38-43 KLB, RPM 40-50 , TRQ 5-10 KFT.LBS, DIFF PRESSURE 50-100 PSI.  AVG ROP = 2.13 M/HR
28/09/2023	03:45 - 04:00	0.25	PROD1	DRILL	RIG	P			PERFORMED TDS SERVICE - GREASED WASHPIPE- MEANWHILE PERFORM SCR.
28/09/2023	04:00 - 13:15	9.25	PROD1	DRILL	RIG	P			CONT. DRILLING 8.3/8" SECTION FROM 4341 M TO 4368 M. FR 540-550 GPM, SPP 2850-3000 PSI, WOB 38-43 KLB, RPM 40-50 , TRQ 5-10 KFT.LBS, DIFF PRESSURE 50-100 PSI.  AVG ROP = 2.92 M/HR
28/09/2023	13:15 - 13:30	0.25	PROD1	DRILL	RIG	P			TDS SERVICE.
28/09/2023	13:30 - 22:00	8.50	PROD1	DRILL	RIG	P			CONT. DRILLING 8.3/8" SECTION FROM 4368 M TO 4405 M. FR 540-550 GPM, SPP 2850-3150 PSI, WOB 38-43 KLB, RPM 40-50 , TRQ 5-10 KFT.LBS, DIFF PRESSURE 50-200 PSI.  TOP OF BARAKT AT 4365 M.  =====
28/09/2023	22:00 - 22:15	0.25	PROD1	DRILL	RIG	P			FOOTAGE DRILLED: 72 M DAILY BIT HRS: 20.29 HR AVG ROP: 3.55 M/HR
28/09/2023	22:15 - 22:30	0.25	PROD1	DRILL	RIG	P			RECORD SCR RACK BACK STAND.
28/09/2023	22:30 - 23:00	0.50	PROD1	DRILL	RIG	P			FLOW CHECK, WELL STATIC. INSTALL DP WIPER & AIR SLIPS
28/09/2023	23:00 - 00:00	1.00	PROD1	DRILL	RIG	P			DROP GYRO INTO DRILL STRING WAIT FOR GYRO TOOL TO LAND INTO TOTCO RING.
29/09/2023	00:00 - 02:15	2.25	PROD1	DRILL	RIG	P			POOH WITH 8.3/8" MOTORIZED BHA#1 ON ELEVATOR FROM 4405 M TO 4110 M. - MONITOR DISPLACEMENT ON TRIP TANK. - NO OVERPULL OBSERVED.
29/09/2023	02:15 - 02:30	0.25	PROD1	DRILL	RIG	P			POOH WITH 8.3/8" MOTORIZED BHA#1 ON ELEVATOR FROM 4110 M TO 3391 M ( 9.5/8" CSG SHOE). - NO OVERPULL OBSERVED. - MONITOR THE WELL THROUGH TRIP SHEET. - CONTROL TRIPPING SPEED AS PER RECOMMENDED TRIPPING SPEED.
29/09/2023	02:30 - 02:45	0.25	PROD1	DRILL	RIG	P			FLOW CHECK - WELL STATIC.
29/09/2023	02:45 - 03:00	0.25	PROD1	DRILL	RIG	P			PUMP SLUG
29/09/2023	02:45 - 03:00	0.25	PROD1	DRILL	RIG	P			FLOW CHECK AFTER SLUG - WELL STATIC

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
29/09/2023	03:00 - 09:00	6.00	PROD1	DRILL	RIG	P			POOH WITH 8.3/8" MOTORIZED BHA#1 ON ELEVATOR FROM 3391 M TO 1560 M.  - MONITOR THE WELL THROUGH TRIP SHEET. - IRON-ROUGHNECK UNABLE TO BREAK-OUT CONNECTION USED MANUAL TONGS FOR 7 CONNECTIONS. - AT 08:00 CREW HANDOVER AND TBT.
29/09/2023	09:00 - 09:15	0.25	PROD1	DRILL	RIG	P			PERFORMED KICK WHILE TRIPPING DRILL 'D1' WITH CREW# A. GOOD RESPONSE FROM RIG FLOOR CREW IN SECURING THE WELL IN ~ 2 MINS. HELD AAR WITH CREW.
29/09/2023	09:15 - 10:45	1.50	PROD1	DRILL	RIG	P			POOH WITH 8.3/8" MOTORIZED BHA#1 ON ELEVATOR FROM 1560 M TO 537 M ( TOP OF BHA). - MONITOR THE WELL THROUGH TRIP SHEET.
29/09/2023	10:45 - 11:00	0.25	PROD1	DRILL	RIG	P			FLOW CHECK AT TOP OF BHA - WELL STATIC.
29/09/2023	11:00 - 15:30	4.50	PROD1	DRILL	RIG	P			CONT. POOH WITH 8.3/8" MOTORIZED BHA#2 ON ELEVATOR FROM 537 M TO SURFACE.  RACK BACK 5 X 5" HWDP STANDS AND LAY DOWN 5 X 5" HWDP AS THEY REACH 450 HRS. RACK BACK 1 X 6.1/2" DC STAND LAY DOWN 6.45" JAR RACK BACK 7 X 6.1/2" DC STANDS. LAY DOWN 8.1/4" S. STABILIZER LAY DOWN 1 X 6.1/2" DC SINGLE. LAY DOWN 8.1/4" S. STABILIZER BREAK OUT BIT AND LAY DOWN 7" NITRO-FORCE FORCE MOTOR. 8 3/8" TKC66 PDC BIT BIT DULL GRADING: (1-1-WT-A-X- IN-NO-BHA )  MONITOR WELL THROUGH TRIP TANK FUNCTION TEST BOP FROM OFFICE REMOTE PANEL.
29/09/2023	15:30 - 15:45	0.25	PROD1	DRILL	RIG	P			CLEAR AND CLEAN RIG FLOOR.
29/09/2023	15:45 - 16:30	0.75	PROD1	DRILL	RIG	P			PERFORM MAST DROP INSPECTION.



## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
29/09/2023	16:30 - 21:00	4.50	PROD1	DRILL	RIG	P			TBT AND P/U & M/U 8 3/8" MOTOR BHA #2 TO 545 M  - 8 3/8" SMITH XS616 BIT, NOZZLES: 9X11, S/N QF9440 - 7" NITORFORCE MOTOR WITH NON-PORTED FLOAT VALVE (0.23 REV/GAL) - 8 1/4" STRING STAB W/ TOTCO RING - PBL SUB - 1 x 6-1/2" DC JOINT - 8 1/4" STRING STAB - 7x 6-1/2" DC STANDS. - 6-1/2" JAR - 1x 6-1/2" DC STAND - 10 x 5" HWDP STANDS  NOTE: SHALLOW TEST MUD MOTOR AS PER MOTOR ENG: 550 GPM - 870 SPP PSI WEIGHT BELOW JARS :55 KLBS - TOTAL WEIGHT OF BHA : 100 KLB  - MONITOR DISPLACEMENT THROUGH TRIP TANK - INSTALLED AIR SLIPS - P/UP, M/UP 15 JTS X 5" HWDP F/ CAT WALK -P/UP , M/UP 3 JTS X 5" G2 DP
29/09/2023	21:00 - 22:45	1.75	PROD1	DRILL	RIG	P			CONT. RIH HOLE WITH 8 3/8" MOTOR BHA #2 FROM 545 M TO 1120 M.  - FILLUP STRING EVERY 20 STANDS RIH - MONITORED WELL ON TRIP TANK WITH TRIP SHEET
29/09/2023	22:45 - 23:00	0.25	PROD1	DRILL	RIG	P			PERFORMED FLOW CHECK, WELL STATIC
29/09/2023	23:00 - 00:00	1.00	PROD1	DRILL	RIG	P			SLIP AND CUT DRILL LINE - PARKED TDS AND HANG BLOCK . - CUT 24 OF DRILL LINE AND SLIP 12 M.
30/09/2023	00:00 - 01:30	1.50	PROD1	DRILL	RIG	P			CONT. SLIP AND CUT DRILL LINE.  - CALIBRATED RIG BLOCK HEIGHT AND SET KEMS & CROWN-O-MATIC. - CALIBRATED MUD LOGGERS BLOCK HEIGHT.
30/09/2023	01:30 - 02:00	0.50	PROD1	DRILL	RIG	P			PERFORMED TDS SERVICES
30/09/2023	02:00 - 05:45	3.75	PROD1	DRILL	RIG	P			RIH HOLE WITH 8 3/8" MOTOR BHA #2 FROM 1120 M TO 2875 M.  - FILLUP STRING EVERY 20 STANDS RIH - MONITORED WELL ON TRIP TANK WITH TRIP SHEET
30/09/2023	05:45 - 06:00	0.25	PROD1	DRILL	RIG	P			PERFORMED KICK WHILE TRIPPING DRILL 'D1' WITH CREW# D. GOOD RESPONSE FROM RIG FLOOR CREW IN SECURING THE WELL IN ~ 2 MINS. HELD AAR WITH CREW.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
30/09/2023	06:00 - 08:45	2.75	PROD1	DRILL	RIG	P			RIH HOLE WITH 8 3/8" MOTOR BHA #2 FROM 2875 M TO 3778 M.  - FILLUP STRING EVERY 20 STANDS RIH - MONITORED WELL ON TRIP TANK WITH TRIP SHEET
30/09/2023	08:45 - 09:30	0.75	PROD1	DRILL	RIG	P			OBSERVED DRAG 20-40 KLBS AND OVERPULL TO 30 KLBS AS GOING BELOW 3778 M. UNABLE TO CLEAR THE DRAG WITH WIPING THE STRING UP AND DOWN. REAM DOWN THE STAND FROM 3778 M TO 3811 M WITH FR 400 , SPP 1850 PSI , RPM 35 , TRQ 4-5 KFT.LBS NCREASED TO 6 -7 KFT.LBS BETWEEN 3778 AND 3794 M.
30/09/2023	09:30 - 11:00	1.50	PROD1	DRILL	RIG	P			AFTER CONNECTION ATTEMPT TO RUN BACK STRING ON ELEVATOR WITH ON ISSUES.  CONT. RIH 8.3/8" MOTOR BHA # 2 FROM 3811 M TO 4271 M.
30/09/2023	11:00 - 11:15	0.25	PROD1	DRILL	RIG	P			AT 4271 M OBSERVED DRAG 30 KLBS. REAM DOWN THE STAND FROM 4271 M TO 4283 M WITH FR 400 , SPP 1950 PSI , RPM 35 , TRQ 4-5 KFT.
30/09/2023	11:15 - 12:15	1.00	PROD1	DRILL	RIG	P			CONT. RIH ON ELEVATOR WITH 8 3/8" MOTOR BHA #2 FROM 4283 M TO 4402 M.  TAKE SCR. RECORDED PUMP OFF FINGERPRINT AT 400 GPM: RIG (20 BBLs), ML (18 BBLs) AT 500 GPM: RIG (26 BBLs), ML (25 BBLs)
30/09/2023	12:15 - 13:30	1.25	PROD1	DRILL	RIG	P			CIRCULATE HOLE CLEAN FR 550 GPM, SPP 3140 PSI. - PERFORM TBT FOR STRESS CAGE JOB.
30/09/2023	13:30 - 13:45	0.25	PROD1	DRILL	RIG	P			FLOW CHECK - WELL STATIC.
30/09/2023	13:45 - 14:45	1.00	PROD1	DRILL	RIG	P			PERFORM SHORT CHECK TRIP FROM 4402 M TO 4335 M. THEN RUN BACK TO BOTTOM.
30/09/2023	14:45 - 15:30	0.75	PROD1	DRILL	RIG	P			DROP 1 X2" PBL ACTIVATION BALL AND CIRCULATE WITH 300 GPM , SPP 1170 PSI. AFTER CIRCULATING ~ 0.8 STRING VOLUME OBSERVED PRESSURE DROPPED TO 960 PSI ( PBL ACTIVATED).
30/09/2023	15:30 - 16:30	1.00	PROD1	DRILL	RIG	P			PUMPED 156 BBL OF STRESS CAGE PILL TO COVER 20 M BELOW GHUDUN AND 20 M ABOVE GHUDUN. FR 300 GPM, SPP 900-800 PSI DISPLACE PILL WITH STRING VOLUME FR 300 GPM , SPP 800-950 PSI
30/09/2023	16:30 - 16:45	0.25	PROD1	DRILL	RIG	P			FLOW CHECK PRIOR POOH TO TOP OF THE PILL - WELL STATIC
30/09/2023	16:45 - 19:45	3.00	PROD1	DRILL	RIG	P			POOH WITH 8.3/8" BHA # 2 ON ELEVATOR FROM 4400 M TO 3650 M ( ONE STAND ABOVE STRESS CAGE PILL). POH SPEED 10 M/MIN.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
30/09/2023	19:45 - 21:30	1.75	PROD1	DRILL	RIG	P			<p>CIRCULATED STRING VOLUME TO REMOVE EXCESS MATERIAL ACROSS PBL SUB WITH 500 GPM, 1870 PSI.</p> <p>- BROKE OUT STRING AND DROPPED 2 X 1 3/8" DEACTIVATION STEEL BALLS.</p> <p>- PUMP WITH 300 GPM, 760 PSI , OBSERVED INCREASE IN STANDPIPE PRESSURE UPTO 1010 PSI.</p> <p>- CIRCULATE STRING VOLUME AFTER DEACTIVATION OF PBL SUB AT 550 GPM , 2750 PSI.</p> <p>MEANWHILE CREW HANDOVER AND TBT FOR STRESS CAGE JOB WHILE CIRCULATION.</p>
30/09/2023	21:30 - 21:45	0.25	PROD1	DRILL	RIG	P			<p>RIG UP SURFACE LINE TO BE ABLE TO PUMP FROM STRING AND KILL LINE.</p> <p>- FLUSH SURFACE LINES</p> <p>- CONNECTED SURFACE LINE TO HLB CEMENT UNIT.</p>
30/09/2023	21:45 - 22:00	0.25	PROD1	DRILL	RIG	P			<p>PRESSURE TEST SURFACE LINE.</p> <p>- P/T SURFACE LINE TO 4000 PSI.- GOOD TEST</p> <p>- FLUSH THROUGH STRING AND KILL LINE.</p> <p>- CLOSE UPER PIPE RAM.</p>
30/09/2023	22:00 - 00:00	2.00	PROD1	DRILL	RIG	P			<p>*** PERFORMED STRESS CAGE INTO GHUDUN FORMATION TO 1.75 SG ***</p> <p>- PRESSURE UP GHUDUN FORMATION AT 0.5 BPM TO 2436 PSI AND WAIT 3 MIN TO STABILIZE PRESSURE - DROP RATE 10 PSI/MIN.</p> <p>- PRESSURE UP GHUDUN FORMATION AT 0.5 BPM TO 2595 PSI AND WAIT 3 MIN TO STABILIZE PRESSURE - DROP RATE 8.5 PSI/MIN.</p> <p>- PRESSURE UP GHUDUN FORMATION AT 0.5 BPM TO 2701 PSI AND WAIT 3 MIN TO STABILIZE PRESSURE - DROP RATE 7 PSI/MIN.</p> <p>- PRESSURE UP GHUDUN FORMATION AT 0.5 BPM TO 2806 PSI AND WAIT 3 MIN TO STABILIZE PRESSURE - DROP RATE MORE THAN 30 PSI/MIN.</p> <p>-CAN NOT HOLD, STOP PUMPING AND CONSULT OFFICE</p> <p>- VOLUME PUMPED DURING STRESS-CAGE WAS 10.4 BBL, BLED VOLUME 5.7 BBL. ( FORMATION TAKE 4.7 BBLS)</p>
01/10/2023	00:00 - 00:30	0.50	PROD1	DRILL	RIG	P			<p>PERFORMED FLOW CHECK , WELL STATIC NO LOSSES</p>

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
01/10/2023	00:30 - 02:00	1.50	PROD1	DRILL	RIG	P			<p>*** PERFORMED STRESS CAGE INTO GHUDUN FORMATION TO 1.75 SG ***</p> <p>- PRESSURE UP GHUDUN FORMATION AT 0.5 BPM TO 2436 PSI ( EMW= 1.65 S.G) AND WAIT 3 MIN TO STABILIZE PRESSURE - DROP RATE 20 PSI/MIN.</p> <p>- PRESSURE UP GHUDUN FORMATION AT 0.5 BPM TO 2595 PSI ( EMW= 1.68 S.G) AND WAIT 3 MIN TO STABILIZE PRESSURE - DROP RATE MORE THAN 30 PSI/MIN.</p> <p>- CONTINUE TO WAIT FOR 15 MINS - FINAL PRESSURE AT 15 MINUTES = 2100 PSI</p> <p>- VOLUME PUMPED DURING STRESS-CAGE WAS 12.1 BBL, BLED VOLUME 5.8 BBL (FORMATION TAKE 6.3 BBL)</p>
01/10/2023	02:00 - 08:00	6.00	PROD1	DRILL	RIG	P			<p>WASHED DOWN W/ 8 3/8" BHA # 2 F/ 3650 M TO 4405 M , FR. 400 GPM , SPP, 1800-2000 PSI.</p> <p>OBSERVE WASH OUT IN STAND # 35 AND #36, RACK BACK THE SAME. AT 07:45 , TBT AND CREW HANDOVER.</p>
01/10/2023	08:00 - 10:30	2.50	PROD1	DRILL	RIG	P			<p>BED ON BIT AND CONT. DRILLING 8.3/8" SECTION FROM 4405 M TO 4422 M. FR 400-550 GPM , SPP 1950-3550 PSI, WOB 5-35 KLB , RPM 30-50 , TRQ 4-11 KFT.LBS , DIFF PRESSURE 100-500 PSI.</p>
01/10/2023	10:30 - 21:00	10.50	PROD1	DRILL	RIG	P			<p>CONT. DRILLING 8.3/8" SECTION FROM 4422 M TO 4491 M. FR 550 GPM , SPP 3150-3270 PSI , WOB 15-20 KLB, RPM 40-50, TRQ 6-10 KFT.LBS , DIFF PRESSURE 150-200 PSI.</p> <p>TOP OF MABROUK AT 4427 M.</p> <p>- PREPARE STRESS CAGE PILL</p> <p>- CONTROL ROP TO 5-7 M/HR TO 50 M ABOVE BARIK , MEANWHILE DISCUSSING THE PLAN FOR STRESS CAGING GHUDUN.</p>
01/10/2023	21:00 - 22:15	1.25	PROD1	DRILL	RIG	P			CIRC. SHAKER CLEAN .
01/10/2023	22:15 - 22:30	0.25	PROD1	DRILL	RIG	P			PERFORMED FLOW CHECK, NO LOSSES WELL STATIC
01/10/2023	22:30 - 23:15	0.75	PROD1	DRILL	RIG	P			<p>PERFORMED SHROT TRIP F/ 4491 FT. TO 4340 M</p> <p>- PULL BACK 6 STDs</p> <p>- RIH BACK TWO STDs</p>
01/10/2023	23:15 - 00:00	0.75	PROD1	DRILL	RIG	P			<p>DROP 1 X2" PBL ACTIVATION BALL AND CIRCULATE WITH 300 GPM , SPP 1120 PSI. AFTER CIRCULATING - PRESSURE DROPPED TO 930 PSI ( PBL ACTIVATED).</p> <p>- HELD TBT FOR PUMPING SC</p>

### Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
02/10/2023	00:00 - 01:15	1.25	PROD1	DRILL	RIG	P			PUMPED 156 BBL OF STRESS CAGE PILL TO COVER 20 M BELOW GHUDUN AND 20 M ABOVE GHUDUN. FR 300 GPM, SPP 900-800 PSI DISPLACE PILL WITH STRING VOLUME FR 300 GPM , SPP 800-950 PSI
02/10/2023	01:15 - 03:30	2.25	PROD1	DRILL	RIG	P			POOH WITH 8.3/8" BHA # 2 ON ELEVATOR FROM 4400 M TO 3650 M ( ONE STAND ABOVE STRESS CAGE PILL). POH SPEED 10 M/MIN.
02/10/2023	03:30 - 04:30	1.00	PROD1	DRILL	RIG	P			CIRCULATED STRING VOLUME TO REMOVE EXCESS MATERIAL ACROSS PBL SUB WITH 500 GPM, 1870 PSI. - BROKE OUT STRING AND DROPPED 2 X 1 3/8" DEACTIVATION STEEL BALLS. - PUMP WITH 300 GPM, 760 PSI , OBSERVED INCREASE IN STANDPIPE PRESSURE UPTO 1010 PSI. - CIRCULATE STRING VOLUME AFTER DEACTIVATION OF PBL SUB AT 550 GPM , 2750 PSI.  MEANWHILE CREW HANDOVER AND TBT FOR STRESS CAGE JOB WHILE CIRCULATION.
02/10/2023	04:30 - 04:45	0.25	PROD1	DRILL	RIG	P			RIG UP SURFACE LINE TO BE ABLE TO PUMP FROM STRING AND KILL LINE. - FLUSH SURFACE LINES - CONNECTED SURFACE LINE TO HLB CEMENT UNIT.
02/10/2023	04:45 - 05:00	0.25	PROD1	DRILL	RIG	P			PRESSURE TEST SURFACE LINE. - P/T SURFACE LINE TO 4000 PSI.- GOOD TEST - FLUSH THROUGH STRING AND KILL LINE. - CLOSE UPER PIPE RAM.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
02/10/2023	05:00 - 06:00	1.00	PROD1	DRILL	RIG	P			<p>*** PERFORMED STRESS CAGE INTO GHUDUN FORMATION TO 1.75 SG ***</p> <p>- PRESSURE UP GHUDUN FORMATION AT 0.5 BPM TO 2436 PSI (EMW=1.65 S.G) AND WAIT 3 MIN TO STABILIZE PRESSURE - DROP RATE 32 PSI/MIN- 8.8 BBLs PUMPED</p> <p>- PRESSURE UP GHUDUN FORMATION AT 0.5 BPM TO 2436 PSI (EMW=1.65 S.G) AND WAIT 3 MIN TO STABILIZE PRESSURE - DROP RATE 31.5 PSI/MIN.- 9.4 PUMPED VOLUME</p> <p>- PRESSURE UP GHUDUN FORMATION AT 0.5 BPM TO 2436 PSI (EMW=1.65 S.G) AND WAIT 3 MIN TO STABILIZE PRESSURE - DROP RATE 22.5 PSI/MIN.- 9.9 BBLs PUMPED VOLUME</p> <p>- PRESSURE UP GHUDUN FORMATION AT 0.5 BPM TO 2535 PSI AND WAIT 3 MIN TO STABILIZE PRESSURE - DROP RATE 28 PSI/MIN. 10.8 PUMPED VOLUME</p> <p>- VOLUME PUMPED DURING STRESS-CAGE WAS 10.8 BBL, BLED VOLUME 5.5 BBL. ( FORMATION TAKE 5.3 BBLs)</p> <p>- STOPPED STRESS CAGE OPERATION FOR 2 BBLs PUMPED INTO FORMATION AS PER PROGRAM.</p>
02/10/2023	06:00 - 10:45	4.75	PROD1	DRILL	RIG	P			<p>WASH DOWN AND RIH W/ 8 3/8" BHA # 2 F/ 3650 M TO 4491 M , FR. 400 GPM , SPP, 1800-2000 PSI.</p> <p>-TAKE SCR.</p>
02/10/2023	10:45 - 13:00	2.25	PROD1	DRILL	RIG	P			<p>CONT. DRILLING 8.3/8" SECTION FROM 4491 M TO 4521 M.</p> <p>FR 550 GPM , SPP 3300-3500 PSI , WOB 33-36 KLB, RPM 50, TRQ 6-11 KFT.LBS , DIFF PRESSURE 200-400 PSI.</p> <p>AVG ROP: 14.21 M/HR</p>
02/10/2023	13:00 - 13:15	0.25	PROD1	DRILL	RIG	P			<p>PERFORM D2 AND D6 DRILLS WITH CREW A.</p> <p>ADDED VOLUME TO THE ACTIVE SYSTEM SLOWLY. BOTH DRILLER AND ML RESPONDED TO THE INCREASE. DRILLER FOLLOWED PROCEDURE BY PICKING UP AND FLOW CHECK WELL. GOOD RESPONSE.</p>
02/10/2023	13:15 - 16:45	3.50	PROD1	DRILL	RIG	P			<p>CONT. DRILLING 8.3/8" SECTION FROM 4521 M TO 4544 M.</p> <p>FR 550 GPM , SPP 3300-3500 PSI , WOB 35-40 KLB, RPM 50, TRQ 6-11 KFT.LBS , DIFF PRESSURE 190-400 PSI.</p> <p>TOP BARIK SS AT 4535 M.</p> <p>AVG ROP: 7.41 M/HR</p>
02/10/2023	16:45 - 17:00	0.25	PROD1	DRILL	RIG	P			SERVICE TDS.

### Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
02/10/2023	17:00 - 00:00	7.00	PROD1	DRILL	RIG	P			CONT. DRILLING 8.3/8" SECTION FROM 4544 M TO 4600 M. FR 550 GPM , SPP 3300-3500 PSI , WOB 40-45 KLB, RPM 50, TRQ 7-12 KFT.LBS , DIFF PRESSURE 200-400 PSI.  =====
									FOOTAGE DRILLED: 109 M DAILY BIT HRS: 11.8 HR AVG ROP: 9.24 M/HR
03/10/2023	00:00 - 00:15	0.25	PROD1	DRILL	RIG	P			PERFORMED RIG SERVICES - GREASED WASH PIPE-
03/10/2023	00:15 - 12:30	12.25	PROD1	DRILL	RIG	P			CONT. DRILLING 8.3/8" SECTION FROM 4600 M TO 4657 M. FR 550 GPM , SPP 3100-3300 PSI , WOB 40-45 KLB, RPM 45- 50, TRQ 7-12 KFT.LBS , DIFF PRESSURE 80-200 PSI.  AVG ROP: 5.12 M/HR BASE BARIK SAND AT 4652 M.
03/10/2023	12:30 - 12:45	0.25	PROD1	DRILL	RIG	P			SERVICE TDS.
03/10/2023	12:45 - 17:45	5.00	PROD1	DRILL	RIG	P			CONT. DRILLING 8.3/8" SECTION FROM 4657 M TO 4667 M. FR 550 GPM , SPP 3100-3300 PSI , WOB 40-45 KLB, RPM 45 , TRQ 7-12 KFT.LBS , DIFF PRESSURE 80-200 PSI.  AVG ROP: 3.1 M/HR
03/10/2023	17:45 - 18:00	0.25	PROD1	DRILL	RIG	P			PERFORM D2 AND D6 DRILLS WITH CREW B. ADDED VOLUME TO THE ACTIVE SYSTEM SLOWLY. BOTH DRILLER AND ML RESPONDED TO THE INCREASE. DRILLER FOLLOWED PROCEDURE BY PICKING UP AND FLOW CHECK WELL. GOOD RESPONSE.
03/10/2023	18:00 - 00:00	6.00	PROD1	DRILL	RIG	P			CONT. DRILLING 8.3/8" SECTION FROM 4667 M TO 4684 M. FR 550 GPM , SPP 3100-3300 PSI , WOB 40-45 KLB, RPM 45 , TRQ 7-12 KFT.LBS , DIFF PRESSURE 80-200 PSI.  =====
									FOOTAGE DRILLED: 84 M DAILY BIT HRS: 21.87 HR AVG ROP: 3.84 M/HR
04/10/2023	00:00 - 01:45	1.75	PROD1	DRILL	RIG	P			CONT. DRILLING 8.3/8" SECTION FROM 4684 M TO 4687 M. FR 550 GPM , SPP 3100-3300 PSI , WOB 40-45 KLB, RPM 45- 50, TRQ 7-12 KFT.LBS , DIFF PRESSURE 80-200 PSI. AVG ROP: 1.75 M/HR.
04/10/2023	01:45 - 02:00	0.25	PROD1	DRILL	RIG	P			PERFORMED TDS SERVICES - GREASED WASH PIPE.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
04/10/2023	02:00 - 15:30	13.50	PROD1	DRILL	RIG	P			CONT. DRILLING 8.3/8" SECTION FROM 4687 M TO SECTION TD AT 4717 M. FR 550 GPM , SPP 3100-3300 PSI , WOB 40-45 KLB, RPM 45- 50, TRQ 7-12 KFT.LBS , DIFF PRESSURE 80-200 PSI. AVG ROP: 2.5 M/HR.
04/10/2023	15:30 - 17:30	2.00	PROD1	DRILL	RIG	P			CIRC. SHAKER CLEAN - ONE & HALF BTM UP - SPOT 41 BBLS THERMAL PILL
04/10/2023	17:30 - 17:45	0.25	PROD1	DRILL	RIG	P			FLOW CHECK, WELL STATIC. INSTALL DP WIPER & AIR SLIPS
04/10/2023	17:45 - 23:00	5.25	PROD1	DRILL	RIG	P			POOH WITH 8.3/8" MOTORIZED BHA#2 ON ELEVATOR FROM 4417 M TO 3390 M.- MONITOR DISPLACEMENT ON TRIP TANK.- POOH SPEED AS SWAP CALCULATIONS
04/10/2023	23:00 - 23:15	0.25	PROD1	DRILL	RIG	P			FLOW CHECK, WELL STATIC
04/10/2023	23:15 - 23:30	0.25	PROD1	DRILL	RIG	P			PUMP SLUG
04/10/2023	23:30 - 23:45	0.25	PROD1	DRILL	RIG	P			FLOW CHECK AFTER SLUG - WELL STATIC
04/10/2023	23:45 - 00:00	0.25	PROD1	DRILL	RIG	P			PERFORMED TDS SERVICES
05/10/2023	00:00 - 06:30	6.50	PROD1	DRILL	RIG	P			POOH WITH 8.3/8" MOTORIZED BHA # 2 ON ELEVATOR FROM 3390 M TO 539 M (TOP OF BHA). - MONITOR DISPLACEMENT ON TRIP TANK. .- POOH SPEED AS SWAP CALCULATIONS.
05/10/2023	06:30 - 06:45	0.25	PROD1	DRILL	RIG	P			- FLOW CHECK WELL AT TOP OF BHA, OK WELL STATIC.
05/10/2023	06:45 - 10:45	4.00	PROD1	DRILL	RIG	P			CONT. POOH 8.3/8" BHA #5 ON ELEVATOR F/600 M TO SURFACE.  -R/B 10 STANDS OF HWDP. -LAY DOWN 6.45" JAR. - R/B 7 X 6.1/2" DC STANDS. -LAY DOWN 8.1/4" S. STABILIZER -LAY DOWN 1 X 6.1/2" DC SINGLE. - LAY DOWN 8 1/4" S. STABILIZER. - BREAK OUT BIT AND LAY DOWN NITRO-FORCE FORCE MOTOR. - 8 3/8" SMITH XS616 BIT BIT DULL GRADING: (1-1-WT-A-X-I-CT-TD)  - MONITOR DISPLACEMENT ON TRIP TANK.
05/10/2023	10:45 - 11:00	0.25	PROD1	DRILL	RIG	P			-CLEAN AND CLEAR RIG FLOOR.
05/10/2023	11:00 - 11:45	0.75	PROD1	DRILL	RIG	P			MAKE UP CAMERON JETTING TOOL JET WASH BOP FUNCTION BOP'S AND JET SEAL ASSEMBLY PROFILE.
05/10/2023	11:45 - 12:45	1.00	PROD1	DRILL	RIG	P			TBT FOR BOP PRESSURE TEST - P/UP AND M/UP TEST ASSEMBLY. - RUN AND INSTALL TEST ASSEMBLY



## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
05/10/2023	12:45 - 16:30	3.75	PROD1	DRILL	RIG	P			PRESSURE TEST BOPS AS PER ABRAJ PROCEDURE - TEST 1: LPR AND FOSV #1 FOR 250-350 PSI LOW / 8000 PSI HIGH FOR 5 MINS. TEST OK. - TEST 2: UPR, INNER KILL VALVE #54, INNER CHOKE VALVE #56MKV, MCV, AND L-IBOP FOR 250-350 PSI LOW / 8000 PSI HIGH FOR 5 MINS. TEST OK. - TEST 3: UPR, OUTER KILL HCR VALVE #55, OUTER CHOKE HCR V #57 HCR AND U-IBOP FOR 250-350 PSI LOW / 8000 PSI HIGH FOR 5 MINS. TEST OK. - TEST 4: CHOKE LINE COFLEX HOSE, KILL LINE HCR, CHOKE MANIFOLD MASTER VALVE (# 78) AND U-IBOP FOR 300 PSI LOW / 8000 PSI HIGH FOR 5 MINS. TEST OK. - TEST 5: ANNULAR WITH 5" DP FOR 250-350 PSI LOW / 3500 PSI HIGH FOR 5 MINS. TEST OK. - BACKOUT TEST PLUG AND RETRIEVE TEST STRING - CHANGE OVER LINE UP TO PUMP THROUGH CHOKE MANIFOLD . - TEST 6: ( TEST BLIND SHEAR RAM, CHOKE LINE, KILL LINE AND LO-TORQ VALVE, CHOKE MANIFOLD VALVES 61, 62, AND 79 ), LOW 250-350 PSI-LOW / 8000 PSI HIGH FOR 5 MINS. TEST OK.
05/10/2023	16:30 - 16:45	0.25	PROD1	DRILL	RIG	P			RIG DOWN TEST ASSEMBLY.
05/10/2023	16:45 - 17:00	0.25	PROD1	DRILL	RIG	P			INSTALL WEAR BUSHING.
05/10/2023	17:00 - 18:00	1.00	PROD1	DRILL	RIG	P			PERFORM MAST DROP INSPECTION , AREA 1, 2 AND 3.
05/10/2023	18:00 - 21:00	3.00	PROD1	EVAL	RIG	P			PJSM PRIOR RU WIRELINE TOOLS RIG UP WIRELINE SHEAVES AND CABLE. PICK UP AND MAKE UP TOOL STRING FOR RUN 1A: QUAD COMBO (DENSITY, NEUTRON, RESISTIVITY, SONIC & GAMMA) TOOL STRING (GR-SP-ZDL-CN-XMAC-RTEX-JAR)
05/10/2023	21:00 - 21:30	0.50	PROD1	EVAL	RIG	P			TBT PRIOR PU AND LOAD THE RADIOACTIVE SOURCE LOAD RADIOACTIVE SOURCES
05/10/2023	21:30 - 00:00	2.50	PROD1	EVAL	RIG	P			- STARTED RIH AND LOG WITH RUN 1A - RIH TO 4717 M ( 4719 M WL DEPTH) - RECORDED REPEATED INTERVAL ACROSS BARIK
06/10/2023	00:00 - 01:00	1.00	PROD1	EVAL	RIG	P			- STARTED RIH AND LOG WITH RUN 1A - RIH TO 4717 M ( 4719 M WLDEPTH) - RECORDED REPEATED INTERVAL ACROSS BARIK

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
06/10/2023	01:00 - 08:00	7.00	PROD1	EVAL	RIG	P			- STARTED RIH AND LOG WITH RUN 1A (GR-SP- ZDL-CN-XMAC-RTEX-JAR) - RIH TO TD - RECORD MAIN PASS TO 50 M INSIDE 9 5/8" CSG. - WL TD 4717 M ( 4719 M WIRELINE DEPTH ) SPEED, 8 M/MIN SHOE @ 3400 M. ( 3403 M WL DEPTH) - LOG WITH GR TO SURFACE. - SENT LOGGING DATA TO OFFICE , ACCEPTAED OK - PULLED TOOL TO SURFACE. . - R/D BAKER WIRELINE TOOLS FOR 1A RUN.
06/10/2023	08:00 - 11:00	3.00	PROD1	EVAL	RIG	P			PREPARE TOOLS IN THE PIPE CAT FOR LOG RUN 1B GR-RCI (STRADDLE PACKER)-RCX-JARS) -PJSM , PRIOR TO WIRELINE RUN 1B. -P/UP AND M/UP WIRELINE TOOLS FOR 1B: GR-RCI (STRADDLE PACKER)-RCX-JARS -POWER UP & SURFACE CHECK
06/10/2023	11:00 - 15:45	4.75	PROD1	EVAL	RIG	P			STARTED RIH AND LOG WITH RUN 1B TO 4577 -STOP FOR THERMAL STABILIZATION AT 3350 M. CORRECTED DEPTH BY 3 M - CORRELATED PASS - DEPTH CORRECTED BY GR CORRELATION BY 4.3M TOTAL - - RECORDED STICK TRIAL #1 AT 4590 M - CHT 2570 LBS - TTEN 7850 LBS FOR 10 MIN. - RECORDED STICK TRIAL #2 AT 4577 M - CHT 2580 LBS - TTEN 7880 LBS FOR 20 MIN.

### Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
06/10/2023	15:45 - 22:45	7.00	PROD1	EVAL	RIG	P			<p>PERFORM PRESSURE PRETEST AQUISITION AT SELECTED POINTS (13 POINTS WERE SELECTED INITIALLY BY SUB-SURFACE TEAM):</p> <p>STOP AT 4577 M, CONDUCTED SINGLE PROBE PRESSURE POINT# 1, GOOD TEST GOT 800 LBS OVERPULL . 16 MIN.</p> <p>MOVE TO 4581.5 M, CONDUCTED SINGLE PROBE PRESSURE POINT# 2, GOOD TEST GOT 200 LBS OVERPULL . 18 MIN</p> <p>MOVE TO 4589.9 M, CONDUCTED SINGLE PROBE PRESSURE POINT# 3, STILL BUILDING , GOT 1000 LBS OVERPULL . 30 MIN.</p> <p>MOVE TO 4594.5 M, CONDUCTED SINGLE PROBE PRESSURE POINT# 4, GOOD TEST GOT 700 LBS OVERPULL . 20 MIN.</p> <p>MOVE TO 4596.2 M, CONDUCTED SINGLE PROBE PRESSURE POINT# 5, GOOD TEST GOT 1500 LBS OVERPULL . 28 MIN</p> <p>MOVE TO 4602.9 M, CONDUCTED SINGLE PROBE PRESSURE POINT# 6, GOOD TEST GOT 1000 LBS OVERPULL . 23 MIN</p> <p>MOVE TO 4611.5 M, CONDUCTED SINGLE PROBE PRESSURE POINT# 7, STILL BUILDING , GOT 2800 LBS. OVERPULL 30 MIN.</p> <p>CONDUCT MEETING WITH TOWN DUE TO INCREASING OVERPULL OBSERVED WHILE TAKING PP</p> <p>MOVE TO 4556.7 M, CONDUCTED SINGLE PROBE PRESSURE POINT# 15, STILL BUILDING , NO OVERPULL . 30 MIN.</p> <p>MOVE TO 4561.1 M, CONDUCTED SINGLE PROBE PRESSURE POINT# 14, GOOD TEST NO OVERPULL . 30 MIN</p> <p>MOVE TO 4569.8 M, CONDUCTED SINGLE PROBE PRESSURE POINT# 13, STILL BUILDING , NO OVERPULL . 30 MIN.</p> <p>- STOP TAKING PP TO AVOID TOOL STICKING.</p>
06/10/2023	22:45 - 00:00	1.25	PROD1	EVAL	RIG	P			<p>POOH WITH WL LOGGING STRING FROM 4569.8 M TO 3000 M</p> <p>- SPEED 15 M/MIN, OPEN HOLE</p> <p>- SPEED 40-70 M/MIN, CASSED HOLE</p>
07/10/2023	00:00 - 01:15	1.25	PROD1	EVAL	RIG	P			<p>POOH WITH WL LOGGING STRING FROM 3000 M TO SURFACE</p> <p>- SPEED 15 M/MIN, OPEN HOLE</p> <p>- SPEED 40-70 M/MIN, CASSED HOLE</p>
07/10/2023	01:15 - 03:15	2.00	PROD1	EVAL	RIG	P			LAY DOWN LOGGING TOOLS.
07/10/2023	03:15 - 04:00	0.75	PROD1	EVAL	RIG	P			RIG DOWN WL CABLE AND SHEAVES.
07/10/2023	04:00 - 04:15	0.25	PROD1	DRILL	RIG	P			CLEAN AND CLEAR RIG FLOOR.
07/10/2023	04:15 - 04:30	0.25	PROD1	DRILL	RIG	P			TBT , PRIOR TO PICK UP 8.3/8" ROTARY BHA # 3

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
07/10/2023	04:30 - 06:45	2.25	PROD1	DRILL	RIG	P			P/U & M/U 8 3/8" ROTARY BHA#3 TO 524 M:  - 8 3/8" TKC73, OPEN JET , S/N S293476 - 6 5/8" BIT SUB - 6 3/8" FLOAT SUB - 1 x 6-1/2" DC JOINT - 8 1/4" STRING STAB - 7 x 6-1/2" DC STANDS - 6-1/2" JAR - 1 x 6-1/2" DC STAND - 10 X 5" HWD P STANDS  - WEIGHT BELOW JARS : 52 KLBS -TOTAL BHA WEIGHT: 100 KLB  NOTE: - MONITOR DISPLACEMENT THROUGH TRIP TANK
07/10/2023	06:45 - 12:45	6.00	PROD1	DRILL	RIG	P			CONT. RIH 8.3/8" ROTARY BHA F/ 524 M TO 3133 M.  - MONITOR DISPLACEMENT ON TRIP TANK - FILL-UP STRING EVERY 20 STANDS.
07/10/2023	12:45 - 13:00	0.25	PROD1	DRILL	RIG	P			PERFORMED KICK WHILE TRIPPING DRILL 'D1' WITH CREW # B BY INTRODUCING GAIN IN TRIP TANK WHICH WAS RECOGNIZED BY DRILLER AND MUD LOGGER. GOOD RESPONSE FROM RIG FLOOR CREW IN STABBING FOSV IN +/- 1 MINS. HELD AAR WITH CREW DISCUSSED THE ROLE AND RESPONSIBILITIES OF EACH CREW MEMBER IN KICK WHILE TRIPPING .
07/10/2023	13:00 - 13:15	0.25	PROD1	DRILL	RIG	P			CONT. RIH 8.3/8" ROTARY BHA F/ 3133 M TO 3377 M.  - MONITOR DISPLACEMENT ON TRIP TANK - FILL-UP STRING EVERY 20 STANDS.
07/10/2023	13:15 - 13:30	0.25	PROD1	DRILL	RIG	P			BREAK CIRCULATE AT THE SHOE , F.R: 300 GPM , SPP:320 PSI.
07/10/2023	13:30 - 14:30	1.00	PROD1	DRILL	RIG	P			SLIP DRILL LINE - HANG BLOCK AND PARKED TDS. - SLIP 12 M OF DRILL LINE. - CALIBRATED RIG BLOCK HEIGHT AND SET KEMS & CROWN-O-MATIC. - CALIBRATED MUD LOGGERS BLOCK HEIGHT.
07/10/2023	14:30 - 18:30	4.00	PROD1	DRILL	RIG	P			CONT. RIH 8.3/8" ROTARY BHA F/ 3377 M TO 4717 M.  - MONITOR DISPLACEMENT ON TRIP TANK - FILL-UP STRING EVERY 20 STANDS. - TAKE SCR.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)

AFE No

Event Type: DRL- ONSHORE (DON)

Start Date: 23/08/2023

End Date: 10/10/2023

No AFE Associated

Project: KHAZZAN MAKAREM

Site: KZN-377

Rig Name/No.: ABRAJ 305/305

Spud Date/Time: 24/08/2023 16:15:00

Rig Release: 10/10/2023

Rig Contractor: ABRAJ

BPUOI: OMN10000302

Active datum: WELL @81.17m (above Mean Sea Level)

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary	Code	NPT	NPT Depth	Description of Operations
07/10/2023	18:30 - 21:30	3.00	PROD1	DRILL	RIG	P			CIRCULATE 3 BOTTOM UP , FR 550 GPM, SPP 2800 PSI. MEANWHILE MIXING SC PILL AS PER PROGRAM.  - PERFORM TBT FOR STRESS CAGE JOB.
07/10/2023	21:30 - 23:15	1.75	PROD1	DRILL	RIG	P			PUMPED 310 BBL OF STRESS CAGE PILL TO COVER ALL THE OPEN HOLE ( 8.3/8" SECTION ). FR 300 GPM, SPP 900-1000 PSI  - DISPLACE PILL WITH STRING VOLUME FR 300 GPM , SPP 800-950 PSI - CONSIDER 5% WASH OUT.
07/10/2023	23:15 - 00:00	0.75	PROD1	DRILL	RIG	P			HELD REMOTLY MEETING W/ OFFICE REGARDING SC RISKS AND FORMATION PP
08/10/2023	00:00 - 01:00	1.00	PROD1	DRILL	RIG	P			HELD MEETING W/ OFFICE REGARDING SC RISKS AND FORMATION PP.
08/10/2023	01:00 - 04:15	3.25	PROD1	DRILL	RIG	P			CIRCULATE BOTTOM UP , FR 500 GPM, SPP 2300 PSI. MEANWHILE MIXING ANOTHER SC PILL AS PER PROGRAM.  - PERFORM TBT FOR STRESS CAGE JOB. - CIRCULATE OUT 310 BBLS SC PILL - RECIPROCATATE STRING W/ 20 RPM.
08/10/2023	04:15 - 04:30	0.25	PROD1	DRILL	RIG	P			PERFORMED FLOW CHECK - WELL STATIC.
08/10/2023	04:30 - 05:00	0.50	PROD1	DRILL	RIG	P			PUMP OUT OF HOLE F/ 4717 M TO 4640 M W/ 250 GPM SRPM 20 RPM, 700 PSI SPP - PERFORM TBT FOR STRESS CAGE JOB.
08/10/2023	05:00 - 05:30	0.50	PROD1	DRILL	RIG	P			PUMPED 160 BBL OF STRESS CAGE PILL TO COVER INTERVAL 4620 M TO 4550 M FR 300 GPM, SPP 900 - 980 PSI. 15 TDS RPM  - DISPLACEED SURFACE LINES & SPOTTED 20 BBLS SC INTO OPEN HOLE
08/10/2023	05:30 - 06:00	0.50	PROD1	DRILL	RIG	P			PUMP OUT OF HOLE F/ 4640 M TO 4528 M W/ 250 GPM RPM 20 RPM, 700 PSI SPP
08/10/2023	06:00 - 07:00	1.00	PROD1	DRILL	RIG	P			CIRCULATE STRING VOLUME 500 GPM, 20 TDS RPM, 2300 PSI SPP.  - FLUSH SURFACE LINE - PRESSURE TEST 300/3000 PSI

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
08/10/2023	07:00 - 09:00	2.00	PROD1	DRILL	RIG	P			<p>*** PERFORMED STRESS CAGE INTO BARIK FORMATION TO 1.58 SG ***</p> <p>- PRESSURE UP BARIK FORMATION AT 0.5 BPM TO 1345 PSI ( EMW=1.39 S.G) AND WAIT 3 MIN TO STABILIZE PRESSURE - DROP RATE 16 PSI/MIN.</p> <p>- PRESSURE UP BARIK FORMATION AT 0.5 BPM TO 1550 PSI ( EMW=1.42 S.G) AND WAIT 3 MIN TO STABILIZE PRESSURE - DROP RATE 11 PSI/MIN.</p> <p>- PRESSURE UP BARIK FORMATION AT 0.5 BPM TO 1745 PSI ( EMW=1.45 S.G) AND WAIT 3 MIN TO STABILIZE PRESSURE - DROP RATE 15 PSI/MIN.</p> <p>- PRESSURE UP BARIK FORMATION AT 0.5 BPM TO 1945 PSI ( EMW=1.48 S.G) AND WAIT 3 MIN TO STABILIZE PRESSURE - DROP RATE 16 PSI/MIN.</p> <p>- PRESSURE UP BARIK FORMATION AT 0.5 BPM TO 2083 PSI ( EMW=1.50 S.G) AND WAIT 3 MIN TO STABILIZE PRESSURE - DROP RATE 13 PSI/MIN.</p> <p>- PRESSURE UP BARIK FORMATION AT 0.5 BPM TO 2216 PSI ( EMW=1.52 S.G) AND WAIT 3 MIN TO STABILIZE PRESSURE - DROP RATE 27 PSI/MIN.</p> <p>- PRESSURE UP BARIK FORMATION AT 0.5 BPM TO 2350 PSI ( EMW=1.54 S.G) AND WAIT 3 MIN TO STABILIZE PRESSURE - DROP RATE 22 PSI/MIN.</p> <p>- PRESSURE UP BARIK FORMATION AT 0.5 BPM TO 2483 PSI ( EMW=1.56 S.G) AND WAIT 3 MIN TO STABILIZE PRESSURE - DROP RATE 24 PSI/MIN.</p> <p>- PRESSURE UP BARIK FORMATION AT 0.5 BPM TO 2619 PSI ( EMW=1.58 S.G) AND WAIT 3 MIN TO STABILIZE PRESSURE - DROP RATE 35 PSI/MIN GREATER THAN 30 PSI/MIN , CONTINUE TO WAIT FOR 15 MINS.</p> <p>- PRESSURE UP BARIK FORMATION AT 0.5 BPM AGAIN TO 2619 PSI ( EMW=1.58 S.G) AND WAIT 3 MIN TO STABILIZE PRESSURE - DROP RATE 26 PSI/MIN - CONT. TO WAIT FOR 15 MINS -FINAL PRESSURE AT 15 MINS =2411 PSI.</p> <p>- SUCCESSFUL STRESS CAGE TO REQUIRED VALUE 2619 PSI = 1.58 EMW.</p> <p>- VOLUME PUMPED DURING STRESS-CAGE WAS 10.1 BBL, BLED VOLUME 6.1 BBL.</p> <p>- R/D CIRCULTION HEAD.</p>
08/10/2023	09:00 - 10:15	1.25	PROD1	DRILL	RIG	P			<p>WASH DOWN AND RIH W/ 8 3/8" BHA # 3 F/ 4528 M TO 4642 M , FR. 400 GPM , SPP, 400-450 PSI.</p>

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No		
Event Type: DRL- ONSHORE (DON)		Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated	
Project: KHAZZAN MAKAREM		Site: KZN-377			
Rig Name/No.: ABRAJ 305/305		Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023	
Rig Contractor: ABRAJ				BPUOI: OMN10000302	
Active datum: WELL @81.17m (above Mean Sea Level)					

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
08/10/2023	10:15 - 12:45	2.50	PROD1	DRILL	RIG	P			- OBSERVED DRILL LINE DAMAGED , TOFS DISCUSSED THE WAY FORWARD WITH TEAM ON THE SLIP AND CUT FOR THE DRILL LINE. - CIRCULATE HOLE CLEAN TO REMOVE EXCESS STRESS CAGE WITH F.R. 570 GPM , SPP: 2800-2850 PSI. - R/UP CIRCULATION HEAD.  WHILE CIRCULTION TBT WITH THE CREW ON THE SLIP AND CUT.
08/10/2023	12:45 - 15:15	2.50	PROD1	DRILL	RIG	N			SLIP AND CUT DRILL LINE DUE TO DAMAGE DRILL LINE - PARKED TDS AND HANG BLOCK . - CUT 130 OF DRILL LINE AND SLIP 120 M. - CALIBRATED RIG BLOCK HEIGHT AND SET KEMS & CROWN-O-MATIC. - CALIBRATED MUD LOGGERS BLOCK HEIGHT.
08/10/2023	15:15 - 15:30	0.25	PROD1	DRILL	RIG	P			CLEAR AND CLEAN RIG FLOOR. R/D CIRCULTION HEAD .
08/10/2023	15:30 - 15:45	0.25	PROD1	DRILL	RIG	P			PJSM , PRIOR TO POH 8.3/8" BHA # 3.
08/10/2023	15:45 - 00:00	8.25	PROD1	DRILL	RIG	P			PUMP OUT OF HOLE 8.3/8" ROTARY BHA # 3 FROM 4642 M TO 2870 M W/ 250 GPM  - CONDUCTED FLOW CHECK AT 9 5/8" CSG SHOW- WELL STATIC-
09/10/2023	00:00 - 03:30	3.50	PROD1	DRILL	RIG	P			PUMP OUT OF HOLE 8.3/8" ROTARY BHA # 3 FROM 2870 M TO 1995 M W/ 250 GPM AND RACK BACK.
09/10/2023	03:30 - 13:00	9.50	PROD1	DRILL	RIG	P			POH WITH 8 3/8" ROTARY BHA AND LAY DOWN 5" DP F/ 1995 M TO 524 M.  - MONITOR WELL THROUGH TRIP TANK WELL STATIC - INSTALLED WIPER - HANDOVER & TBT FOR CREW CHANGE - OVER TQ IN STAND #34.
09/10/2023	13:00 - 13:15	0.25	PROD1	DRILL	RIG	P			FLOW CHECK PRIOR BHA ENTER BOP - WELL STATIC
09/10/2023	13:15 - 15:15	2.00	PROD1	DRILL	RIG	P			CONT. POH WITH 8.3/8" ROTARY BHA AND LAY DOWN BHA TO 207 M. -R/B 1 STAND OF 5" HWDP. -L/D 27 JTS OF 5" HWDP. -L/D 3 X 6.1/2" DCS. -L/D JAR.
09/10/2023	15:15 - 17:00	1.75	PROD1	DRILL	RIG	P			- RIH WITH 25 STANDS OF 5" DP TO 920 M FROM THE MAST ON 8.3/8" BHA # 3 TO LAY DOWN EXCESS PIPES FROM THE MAST.  AT 15:45 CREW CHANGE HANDOVER AND TBT.

## Operation Summary Report

Common Well Name: KZN-377 (BV-036)			AFE No
Event Type: DRL- ONSHORE (DON)	Start Date: 23/08/2023	End Date: 10/10/2023	No AFE Associated
Project: KHAZZAN MAKAREM	Site: KZN-377		
Rig Name/No.: ABRAJ 305/305	Spud Date/Time: 24/08/2023 16:15:00		Rig Release: 10/10/2023
Rig Contractor: ABRAJ			BPUOI: OMN10000302
Active datum: WELL @81.17m (above Mean Sea Level)			

Date	From - To	Hrs (hr)	Phase	Task	Unit or Rotary RIG	Code	NPT	NPT Depth	Description of Operations
09/10/2023	17:00 - 00:00	7.00	PROD1	DRILL	RIG	P			-POH AND LAY DOWN 5"DP FROM 920 M TO 300 M.  NOTES: - MONITORED WELL THROUGH TRIP TANK. - OBSERVE 9 CONNECTION WITH OVER TQ CONNECTIONS
10/10/2023	00:00 - 01:30	1.50	PROD1	DRILL	RIG	P			-POH AND LAY DOWN 5"DP FROM 300 M TO 207 M.  NOTES: - MONITORED WELL THROUGH TRIP TANK. - OVER TQ CONNECTIONS
10/10/2023	01:30 - 01:45	0.25	PROD1	DRILL	RIG	P			PERFORMED FLOW CHECK ON TOP OF BHA - WELL STATIC-
10/10/2023	01:45 - 05:00	3.25	PROD1	DRILL	RIG	P			CONT. POH WITH 8.3/8" ROTARY BHA AND LAY DOWN BHA TO SURFACE .  - 21 x 6-1/2" DC JOINTS - 8 1/4" STRING STAB - 1 x 6-1/2" DC JOINT - 6 3/8" FLOAT SUB - 6 5/8" BIT SUB - 8 3/8" TKC73, OPEN JET , S/N S293476  NOTES: - MONITORED WELL THROUGH TRIP TANK.  ***END OF DRILLING PHASE, SEE CON REPORT #1