License No	Well Na	ıme	FRON'	Г РА	GE SUN	IMAR	Y			0Y5252	Sheet Serial 29_2016020 ce Location		Ve Pas			sion oc Type	Unique We	Year 2016	Month 02	06	DAILY 1) Daily Walk A 2) Detailed Ins 3) H2S Signs I	Around Inspe pection - W	ection /eekly (Using C	Check List)	OP R		CAG	DC
31527 Operator ARC RESOURCI Operator's AFE 16DRL0016 Signature of Opi	≣S		IRISE L2-2	5-78-18				Contracto 77	N DRILLING,	DIV OF F				Rig No 29	C D V H S 20	LS Vell Type HORIZ Spud Date 1016/02/07 (ime	I-078-17W6		-Entry	4) Well Licenc 5) Flare Lines 6) BOP Drills F 7) Visually Insp 1) Rig Site Hea 2) CAODC Rig 8) Mast Inspec	e & Stick Dia Staked Performed ected BOPs - alth & Safety Safety Inspection before	agram Posted Flare Lines & Meeting (one	Degasser Lines e/crew/month) st (one/rig/mo wering	nth) MR	p	asc	
Sheldon Kashuba	1	2	3	4	5	6		MARC RA		10	11	12	13	14		16		18	19	20	4) Crown Save 5) Motor Kills	er Checked Checked	23	24	MR MR 25		Pasc Kelly Bushing 5.90	Op Fuel 702.00
Tour 1		Drill		Coring	Cond Mud & Circ		Rig Service	Repair	Cut Off Drilg Line	Dev Survey	Wireline		Wait On N		Test BOP	Drillster Test		Squeeze Cement	Eiching	Die	Safety	Tear Down	Waiting		Other	TOTAL	Rig 1129	Temp 06:00 -1.00
Tour 3 Total	4.00 9.25																				0.7	5				4.00 10.00	TI N Dood Condition	Wind Strength CALM
TOUR 1		SIGN	ATURE	_	DRILLE						MARC	RAYMOND										RT TIM	ИЕ	00:00	E	ND TIM	Ξ	08:00
BITS Bit Nur				DR No	Compone Compone				IUD REC	ud Type	Water	Oil 🗌	Time De				Т	уре		To	Elapsed (Code		Details o	f Operation	s in Sequenc	e & Remarks	
IADC (Manufac				Ħ					[Time Density					=				=									
Seria									Funnel Vi Flui	id Loss																		
Depth Ou	Jets t (m)			H					Location of S	pH Sample Depth			SOLID		NTRO Hours)L Intake	Over Flow	Under Flo	ow.									
Depth Ir Total Drilled	l (m)								IRCULA				Nam		Run	Density	Density	Density										
Hrs Run To Cumulative Hrs Entry	Run			H				Pu	mp# Type	127	SPM Pres	O O	MUD	MATE	RIAL:	S ADD	ED					+						
TI TIME		Gag			Drill Pipe Drill Pipe		ands		2	140		0 0		F	roduct		Am	ount Typ	e									
MDC LOC		OD(on Pulled tun (m/hr	1		Kelly D Weight o	Total		Re	emarks:										=			+						
BRG METRES					Weight of S	tring	ON												Rema	arks:								
From To	D-R-C	RPM	WOB	Torque	e at Bottom	lp	Down		np No. Pres			⊒D Depth	Boiler							FETY								
				Fill o	on Bottom					@	@		Boiler	# H	lours Ru	n	pH	Stack Tem	p SA			Safety	у Торіс			M	EHL	MACP
TOUR 2	2	SIGN	ATURE	OF.	DRILLE	:R					SYLVAIN A	RSENAULT				·					STA	RT TII	ME	08:00	E	ND TIM	E	20:00
BITS Bit Nur	nber			DR No	ILLING Compone				IUD REC		Water _	Oil 🔲	DEVIA Time De				Т	уре	TIN	IE LO	Elapsed (Code	ſ	Details o	f Operation	s in Sequenc	e & Remarks	
IADC (Size Code									Time 0	ther								14:0	0 14:15	0.25 2 2.25 1	1 SAF	DOG HOUSE	ING WITH C	REW AND	D AND TRUC	KING,SIMOPS	REVIEW ALL THIRD PARTY
Manufac Seria	Туре			\parallel					Funnel Vi	Density scosity id Loss									16:3	$\overline{}$	0.252	1 SAF				IGGING UP T		D TANKS AND MUD
	Jets								Location of S	pH Sample			SOLID	s co	NTRO)L				5 20:00	0.252	PUN	MPS			RWARD MEE		
Depth Ou Depth Ir Total Drilled	(m)								IRCULA	PVT PVT			Equipm Nam		Hours Run	Intake Density	Over Flow Density	Under Flo Density				+						
Hrs Run T Cumulative Hrs	Run								mp# Type		SPM Pres	sure Hours Run	ـــــاة															
Entry CUTTING :		CTUF Gag			Drill Pipe Drill Pipe		ands		2	140	0	0 0	MUD		roduct	S ADD		ount Typ	e									
TO MDC	Reas	OD(on Puller			Kelly D		iigies	Re	emarks:										E									
BRG METRES		lun (m/hr)		Weight of S	tring	N.																			MAN,CAT HE	AD,ST-80,TUG	GER LINE HOOK
From To			WOB	Hole	e Drag U		Down _		np No. Pres		بجسم	⊒ D Depth	Boiler											INS/CHAINS S & E- STOF				
				Fill	on Bottom					@	@		Boiler		lours Ru	n 6	pH 11	Stack Tem	310	FETY		Safety	y Topic			M	EHL	MACP
TOUR 3		SIGN	ATURE	OF.	DRILLE	R R				@	@	SH GILBER							SKIDI	RIG	STA	RT TII	ME	20:00	, F	ND TIM	0.00kdaN	0kPa
BITS				DR	ILLING	ASSE			IUD REC				DEVIA				7		_	IE LO	G							
Bit Nur	Size		279	11	Compone BIT MUD MOTOF	20		0.26m 7.56m	M		Water	Oil L	Time De	pui Dev	IAUUII L	nrection		ype	20:0	_	Elapsed 1	SAF		G AND RIG UP	FLARE ANI		INES,LOAD LINE	F,FILL MUD TANKS
	Туре нто			1)X	(O NMDC	16 16	3 72 6 71	.80m 9.23m	Funnel Vi					+	+				23:0	0 24:00	1.001	HOL	E PRODUC		ANKS,RIG L	JP TRANSFER		NE AND INVERT.
Seria		5.9 15.9	ML01100	1	MDC SHOCK SUB	16	6 71	1.64m 9.37m 3.79m	Flui Location of S	pH Sample			COLUD	00.20	NEDG													
Depth Ou Depth Ir				1/	ARS-HYD	16	8 57	5.5m 0.90m		Depth PVT			SOLID Equipm Nam	ent	Hours Run	Intake Density	Over Flow Density	Under Flo Density										
Total Drilled Hrs Run T	oday		0.00						mp# Type	Liner Size	SPM Pres	sure Hours Run																
Cumulative Hrs Entry	Date 2016		0.00		Drill Pipe	St	ands	0.00m	2	127	0	0 0	MUD		RIAL	S ADD		ount Typ	e			+						
TI TO		Gag OD(Drill Pipe Kelly D	Sin	ngles	0.00m 0.00m Re	emarks:													\pm						
LOC BRG		on Pulled Iun (m/hr			Weight of S		3	9.05m			-								Rema	arks: INS	PECT FLOO	R EQUIPM	IENT,TONG.	BACK UP SL	INGS,DEAD	MAN,CAT HE	AD,ST-80,TUG	GER LINE HOOK
METRES I From To	D-R-C		WOB	НО	LE CON		Down _		EDUCE										INSPE	CT CATV	VALK,PIPE	RACKS,PI	IPE RACK P	INS/CHAINS	3		,	
				11	e at Bottom on Bottom			Pui	np No. Pres	sure Str @	okes/min @ @	Depth	Boiler Boiler		lours Ru	n	pH	Stack Tem	p_	FETY		Safety	y Topic			М	EHL	MACP
V. 1.3]						@	@		1	396		4	11		RIG U	P TO SPL	ID	-2400	,				15.00kdaN	0kPa

FRONT PAGE SUMMARY License No Well Name	Tour Sheet Serial Number 0Y52529_20160207_1A Surface Location	Pason 2016 Prov Loc Type Unique Well Id	Month Day 02 07 1) DallY CHIECKS OP RIM 1) Daily Walk Around Inspection 1) Daily Walk Around Inspection - Weekly (Using Check List) SDK MR SDK MR SDK MR SDK MR
31527 ARCRES HZ SUNRISE L2-25-78-18 Joerator RC RESOURCES Joerator's AFE BORL0016	02-25-078-18W6 Contractor PRECISION DRILLING, DIV OF PDCLP Contractor's Job No 77	BC DLS 103/08-19-078-177W6/00 Rig No	4 Well Licence & Stick Diagram Posted Flare Lines Stoke Diagram Posted SDK MR
Signature of Operator Representative heldon Kashuba	Signature of Contractor's Rig Manager MARC RAYMOND	Rig Release Date Time 2016/02/21 23:59	3) Mast Inspection before Raising or Lowering MR. 4) Crown Saver Checked MR. 5) Motor Kills Checked MR. Folly flushing Go Fost
Rig Drill Reaming Coring Cond Mud Trips Rig		13 14 15 16 17 18 Wait On I Nipple Up Cement BOP Test Back Plug Bop Back Squeeze Cement	Fishing Dir Safety Tear Waiting Rig Other TOTAL Fuel @ 08:00 HOURS Rig 27:314.00 Energy 27:314.00 Energy
Tour 3 1.00 0.50 1.50 Total 1.75 7.25 1.00 1.50 4.75 0.6	50		0.75 0.25 4.00 CAIM CAIM CAIM CAIM CAIM CAIM CAIM CAIM
TOUR 1 SIGNATURE OF DRILLER DRILLING ASSEMBLY	JOSH GILBER	DEVIATION SURVEYS	START TIME 00.00 END TIME 08.00
IADC Code	Mud Type Water X Oil 0.26m	Time Depth Deviation Direction Type	From To Elapsed Code Details of Operations in Sequence & Remarks
Depth In (m)	9.36m PVT 9.36m PUT Sype Unier Size SPM Pressure Pausr Ru 15(COMENEC 127 125 8000 44 25(MBNEC) 140 125 8000 44 0.40m 0.00m Remarks:	Name Run Density Density Density CENTRAFUGE 4 1020 1000 1986	07.45 08.00 0.25 RIG SERVICE SERVICE TOP DRIVE
MDC BT	REDUCED PUMP SPEED	FLOWZAN	Remarks: INSPECT FLOOR EQUIPMENT, TONG, BACK UP SLINGS, DEAD MAN, CAT HEAD, ST-80, TUGGER LINE HOOK. INSPECT CATWALK, PIPE RACKS, PIPE RACK PINS/CHAINS FUNCTIONED UPPER & LOWER TRAVEL LIMITS & E-STOPS SAFETY Safety Topic MEUI MACD
	@ @	396 7 10.5 31	HANDLING TOOLS 50,00kdaN 0kP
TOUR 2 SIGNATURE OF DRILLER BITS DRILLING ASSEMBLY	SYLVAIN ARSENAUL	DEVIATION SURVEYS	START TIME 08:00 END TIME 20:00 TIME LOG
IADC Code	O 26m		17:15 17:45 0.505 CONDITION MUD & CIRCULATE
TI 3 Gage 0 4 Drill Pipe Singles 3	2 COMBIN- 140 130 14000 12 0.00m 9.00m	MUD MATERIALS ADDED Product Amount Type SAWDUST 50 EACH	
MDC BC Reason Pulled TO Total Sc	Remarks:	Boiler	Safety Tonic I MEHI I MACP
TOUR 3 SIGNATURE OF DRILLER	@ @		
Bit Number 2	0.26m	DEVIATION SURVEYS Time Depth Deviation Direction Type SOLIDS CONTROL Equipment Hours Intake Name Hours Density Density Density	TIME LOG
Cumulative Hrs Run	9.9.6m CIRCULATION 21.20m Pumpl Type Uner Size SPM Pressure Hours Run	MUD MATERIALS ADDED Product Amount Type	Remarks: INSPECT FLOOR EQUIPMENT,TONG,BACK UP SLINGS,DEAD MAN,CAT HEAD,ST-80,TUGGER LINE HOOK
METRES DRILLED	Pump No. Pressure Strokes/min Depth	Boiler	INSPECT CATWALK,PIPE RACKS,PIPE RACK PINS/CHAINS FUNCTIONED UPPER & LOWER TRAVEL LIMITS & E- STOPS
Fill on Bottom		Boiler # Hours Run pH Stack Temp 396 4 11 320	

FRONT PAGE SUMMARY License No Well Name	Tour Sheet Serial Number 0Y52529_20160208_1B Surface Location	Vendor Software Version	Month Day 08 DAILY CHECKS OP RM 1) Daily Walk Around Inspection SDK MR S
31527 ARCRES HZ SUNRISE L2-25-78-18 Operator ARC RESOURCES	02-25-078-18W6 Contractor PRECISION DRILLING, DIV OF PDCLP	BC DLS 103/08-19-078-17W6/ Rig No Well Type HORIZ OALD True	Re-Entry S Flare Lines Staked SDK MR SDK MR SDK MR The SDK The SDK MR The SDK The SDK MR The SDK The SDK The SDK MR The SDK The
Operator's AFE 16DRL0016 Signature of Operator Representative Maddison Mike	Contractor's Job No 77 Signature of Contractor's Rig Manager MARC RAYMOND	Spud Date Time 2016/02/07 04:00 Rig Release Date Time 2016/02/21 23:59	1) Rig Site Health & Safety Meeting (one/crew/month) 2) CADOC Rig Safety Inspection Checklist (one/irg/month) 3) Mast Inspection before Raising or Lowering 4) Crown Saver Checked 5) Montr Kills Checkerd
CODE 1 2 3 4 5 6 7	8 9 10 11 12 Repair Cut Off Dev Wireline Run Csg	13 14 15 16 17 18	19 20 21 22 23 24 25 Full Life OB/00 HOUL
Tour 1 1.25 1.25	4.75		0.75 1.25 8.00
Total 0.75 1.25 2.00 (25 4.7t		0.50 0.50 4.00 N 1.25 24.00 ALM PARK
TOUR 1 SIGNATURE OF DRILLER BITS DRILLING ASSEMBLY		DEVIATION SURVEYS	START TIME 00:00 END TIME 08:00 TIME LOG
Bit Number	ength Mud Type Water x Oil 0 0.26m Other 7.56m Time 07:00	Time Depth Deviation Direction Type	From To Elapsed Code Details of Operations in Sequence & Remarks
Manufacturer 1 kO 163 72 Type 1 NMDC 166 71 Serial No 1 GAP SUB 166 71	.80m Density 1200 9.23m Funnel Viscosity 1.64m Fluid Loss		01:30 03:30 2.0012B RUN 219MM SURFACE CASING ELEVATOR CIRT 100995 Ran 44 joints 219.1ml 41.67kg/m, J-55, LT&C EVRAZ Casing, Landed at 507.00m 03:30 04:45 1.255 CONDITION MUD & CIRCULATE
Jets 1 NMDC 166 71 1 SHOCK SUB 164 66	9.37m pH 3.79m Location of Sample	SOLIDS CONTROL	04:45 05:00 0.2521 SAFETY MEETING PRIOR TO CEMENTING/ COP 4-1 05:00 07:00 2.00 12C CEMENT PUMPED 4m² AHEAD, 27 T TSC 1700KG 1% CACL2 (26.1m²), DISPLACED V
Depth Out (m) 1 JARS-HYD 168 57	5.5m Depth	Equipment Name Run Density Density Under Flore Density Density Density	
Hrs Run Today	Pump# Type Liner Size SPM Pressure Hours Ru 1 SINGLE 127 104 500 2 SINGLE 140 0 500	MUD MATERIALS ADDED	07:15 08:00 0.75 12A RIG OUT TRICAN FLUSH AND REMOVE CONDUCTER, BLOW BACK PLMP WITH AIR REMO BAILS EXTENTION AND ELEVATER
CUTTING STRUCTURE	0.00m 39.00m 1.61m Remarks:	Product Amount Type FLOWZAN 1 EA	
MDC Reason Pulled Total LOC Total Run (m/hr) Weight of DC	07.00m 0kdaN		
	REDUCED PUMP SPEED		Remarks: INSPECT FLOOR EQUIPMENT, TONG, BACK UP SLINGS, DEAD MAN, CAT HEAD, ST-80, TUGGER LINE HOC INSPECT CATWALK, PIPE RACKS, PIPE RACK PINSICHAINS FUNCTIONED UPPER & LOWER TRAVEL LIMITS & E-STOPS
Torque at Bottom Fill on Bottom	Pump No. Pressure Strokes/min Depth	Boiler Boiler Hours Run pH Stack Temp 396 7 10.5	HAZARD ID-TORQUE CREW TRYING TO GO IN CELLAR WHILE NIPPLING UP, TOLD THEM TO WAIT SAFETY 310 Safety Topic MEHL MACP
TOUR O SIGNATURE OF PRILLER	@ @		CEMENTING 55.00kdaN 04
TOUR 2 SIGNATURE OF DRILLER BITS DRILLING ASSEMBL		DEVIATION SURVEYS	START TIME 08:00 END TIME 20:00 TIME LOG
Size	Mud Type Water X Oil	Time Depth Deviation Direction Type	From To Elapsed Code Details of Operations in Sequence & Remarks 08:00 12:00 4:00 13 WAIT ON CEMENT PRIOR TO NIPPLE UP/TOP CEMENT JOB WITH TRICAN 12:00 12:15 0.25 21 SAFETY MEETING ON NIPPLE BOPS REVIEW COP 5:2
Manufacturer	9.35m Density 1300 1.71m Funnel Viscosity 32s/l 18.57m Fluid Loss		12:15
Jets 1X/O 134 61 45 SINGLES OF 114 72 ENTRY PROPERTY OF 114 75 1X/O 134 75	0.94m pH 46.81m Location of Sample T3 0.96m Depth 507m	SOLIDS CONTROL Equipment Hours Intake Over Flow Under Flow	14:30 19:15 4.75 15.8 P. T. BLIND RAMS, UPR, IPR, KILL LINE VALVES AND CHECK VALVES HCR'S AN MANUAL STABBING VALVE AND INS DIP UPPER RELLY COCK, CRILLING SPOOLS, CHO UNES, 11MPA LOW, 21MPA HIGH, ANNUAR, 11MPA LOW, 21MPA HIGH, 21MPA LOW, 21MPA LOW, 21MPA HIGH, 21MPA LOW, 21MPA LOW, 21MPA LOW, 21MPA LOW,
Depth In (m)	5.20m PVT 56m3 0.94m CIRCULATION Pump# Type Liner Size SPM Pressure Hours Ru	Name Run Density Density Density CENTRIFUGE 0 0 0	iow
Cumulative Hrs Run Entry Date	1 127 0 0 2 140 0 0	0 MUD MATERIALS ADDED Product Amount Type	19:30 19:45 0.25 1 SAFETY MEETING PRIOR TO TOOLS/COP 2-1 19:45 20:00 0.25 0 DIRECTIONAL WORK/ MAKE UP TOOLS/BIT/ MOTOR/ MAKE UP MWD TOOL.
CUTTING STRUCTURE	0.00m	REACTION 2 EAI	ACH ACH
MDC Reason Pulled Total LOC Total Run (m/hr) Weight of DC BRG Weight of String	93.43m		ACH REMARKS: INSPECT FLOOR EQUIPMENT, TONG, BACK UP SLINGS, DEAD MAN, CAT HEAD, ST-80, TUGGER LINE HOC
METRES DRILLED	REDUCED PUMP SPEED Pump No. Pressure Strokes/min Depth	CALCIUM NITRATE 30 EAI	ACH INSPECT CATWALK,PIPE RACKS,PIPE RACK PINSICHAINS FUNCTIONED UPPER & LOWER TRAVEL LIMITS & E. STOPS HA2ARD DE NOTICE CASING WAS NOT SOUL AFTER CEMENT JOSALERT CONSULTANT AND MEASURE CEMENT TO SURFACE J.
Fill on Bottom		Boiler	SAFETY Safety Topic MEHL MACP
TOUR 3 SIGNATURE OF DRILLER	JOSH GILBER	RT	START TIME 20:00 END TIME 24:00
BITS DRILLING ASSEMBLY Bit Number 3 No Component 0D ID		DEVIATION SURVEYS Time Depth Deviation Direction Type	TIME LOG From To Elapsed Code Details of Operations in Sequence & Remarks
Size	.20m Other	23:30 521.63m	20:00 20:30 0.50 20 DIRECTIONAL WORK CONTINUED
Type MM54R 1gAP SUB 121 68 Serial No 12767594 2NON MAG FLEX 118 69	1.71m Funnel Viscosity 18.57m Fluid Loss		22:45 23:00 0.25 21A BOP DRILL. WELL SECURE IN 103 SECONDS. CREW RESPONDED WELL 23:00 23:15 0.25 21 SAFETY MEETING PRIOR TO DRILL OUT/ PRESPUD INSPECTION CAODC INSPECTI
Jets 8.7 8.7 8.7 1 X/O 134 61 8.7 1 15 SINGLES OF HWOP 114 72 Depth Out (m) 1xO 134 75	0.94m pH 46.81m Location of Sample 0.96m Depth	SOLIDS CONTROL Equipment Hours Intake Over Flow Under Flo	
Depth In (m) 507 1HYD/MECH JARS 136 62 Total Drilled (m) 57 1XO 134 68 Hrs Run Today 0.50 141 HWDP 114 68	5.20m PVT 0.94m CIRCULATION 183.76m Pump# Type Liner Size SPM Pressure Hours Ru	Name Run Density Density Density	y
Cumulative Hrs Run	15INGLE 127 100 9800 25INGLE 140 0 9800 87.75m	1 0 MUD MATERIALS ADDED Product Amount Type	pe l
TI	0.00m 0.00m Remarks:		
LOC Total Run (m/hr) Weight of DC BRG Weight of String	64.88m OkdaN 40kdaN		Remarks: INSPECT FLOOR EQUIPMENT, TONG, BACK UP SLINGS, DEAD MAN, CAT HEAD, ST-80, TUGGER LINE HOO
METRES DRILLED	REDUCED PUMP SPEED	Politon	INSPECT CATWALK,PIPE RACKS,PIPE RACK PINS/CHAINS FUNCTIONED UPPER & LOWER TRAVEL LIMITS & E. STOPS
Fill on Bottom	0.00m	Boiler # Hours Run pH Stack Temp	320 Safety Topic MEHL MACP
V.1.3			

License No	W	ell Name	FRON	T PA	GE SUN	MAR	Y			0Y525	Sheet Seria 29_2016020 ace Location	19_1B	Vendor Pason	Software Ver	oc Type	Unique Wel	2016	Month D	09 1	DAILY C) Daily Walk Arc) Detailed Inspe) H2S Signs Pos	und Insper ction - We	ction ekly (Using Ch	eck List)	OP RI SDK MR	∃ <i>(</i> ,	CAO	DC
31527 Operator ARC RESOL Operator's A 16DRL0016 Signature of	JRCES AFE		SUNRISE L2-2	25-78-18				Contra 77	actor ISION DRILLING actor's Job No ture of Contract	G, DIV OF I			Rig N 529	0 V	Nell Type HORIZ Spud Date T 016/02/07 C Rig Release	ime 14:00	078-17W6/00		Entry 5 6 7 7 1 2 3	e) Well Licence & E) Flare Lines St. E) BOP Drills Per () Visually Inspect () Rig Site Healt! () CAODC Rig Sa () Mast Inspection	aked formed led BOPs - n & Safety ifety Inspec on before F	Flare Lines & D Meeting (one/ ction Checklist	egasser Lines crew/month) t (one/rig/mor	nth)	P	aso	
Maddison Mi	ke 1	2	3	4	5	6	7		RAYMOND 9	10	11	12	13 1		016/02/21 2 16	3:59 17	18	19) Crown Saver () Motor Kills Ch		23	24	MR MR 25		Pasc Kelly Bushing 5.90	Op Fuel 2235.00
Tour 1	Rig Up	Drill Actual 6.0 9.5	+ +	Coring	Cond Mud & Circ	Trips	_	n Re ice F 0.25	pair Cut Off lig Drilg Line	Dev Survey		Run Csg & Cement		P BOP	Drillsten Test	n Plug Back	Squeeze Cement	Fishing	Dir Work 1.5	0.25	Tear Down	Waiting On	Rig Watch	Other	TOTAL 8.00 12.00	2321	76:00 -1.00 ns
Tour 3 Total		3.5 19.0						0.25 1.75											0.2 2.5	_					4.00 24.00	Wind Direction N Road Condition FAIR	Wind Strength CALM
TOUF	1	SIC	ANATUR	E OF	DRILLE	₽					JOS	SH GILBERT								STAR	T TIM	IE	00:00	E	ND TIMI	E	08:00
BITS Bit	Numbe			No	ILLING Compone	nt OI	O ID	Length	MUD RE	Mud Type	Water x	Oil	Time Depth	Deviation [Direction	Ту	pe	TIM From	E LO	Elapsed Co	de		Details of	f Operation	s in Sequence	& Remarks	
	Siz DC Code		15	1 1	MUD MOTOF	20 R 11	19 69	.20m 8.69m 9.35m		Time Density	02:00 1220	04:00	1 01·15kss 6sm	1.5 0.8 1.3	215.5 217.2 98.4			00:00 06:00 07:30	06:00 07:30 07:45	6.002 1.5020A 0.257	DIRE	CTIONAL S	URVEYS/C	CONNECTIO		TO 01 00F	
	Type Serial N	MM54R	1276759	10	GAP SUB ION MAG FLEX MONEL	12	21 68	1.71m 18.57m		Viscosity luid Loss	31s/l	31s/	01:45 667.88m 02:15 697.13m 02:45 726.38m	2.8 3.7 4.3	73.9 67.6 62.7			07:45	08:00	0.2521	\neg	ETY MEETIN				10 02002	
Death	Jet	8.7	8.7 8.7 8.	.7 1	(/O SINGLES OF WDP	13	14 72	0.94m 46.81m	Location of	· -	SHAKERS	SHAKERS	03:15 755.63m	5 CONTRO	66.2)L												
Dep	n Out (m oth In (m rilled (m)	50	7 1	(O HYD/MECH (JARS 13	36 62	0.96m 5.20m 0.94m	CIRCUL	Depth PVT			Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density										
	un Toda	y	6.0	0 14	1 HWDP	_	_	383.76m	Pump# Type 1 SINGL	Liner Size		sure Hours Rur															
ET CUTTIN TI				_	Drill Pipe Drill Pipe		tands	526.50m	2SINGL	E 140	105	9800 7	REDUCTION	Product	S ADDI		unt Type 2 EACH										
TO MDC			ODC	- 01	Kelly D			-4.63m 999.00m	Remarks:				PREVENTION	SCO			4 EACH				+						
LOC BRG		otal Run (m	ı/hr)	_	Weight of S	tring		0kdaN 40kdaN											_	-	_						SER LINE HOOK
	To [PM W0B 50 10kda	Hol	e Drag u	Jp 1	Down	00.00Nm	REDUCE Pump No. Pro			E D Depth						FUNCTION	ONED UP		RTRAVEL	LIMITS & E-				R LINES,LOAD PASON CHOKE	LINE, MANUAL CHOKE
040111	000		Tonda	- I rorqui	on Bottom		33	0.00m	1 340 2 250	0 @	60 @ 50 @	797	- Bollet #	Hours Ru	n 8	pH :	Stack Temp	SAF			Safety				ME	HL	MACP
										@	@							DERRIC	CK CONN	IECTIONS						65.00kdaN	3109kPa
TOUF BITS	12	SIC	ANATUR	_	ILLING		MBL	Y	MUD RE	CORD	SYLVAIN A	RSENAULT	DEVIATION	ON SUR	VEYS			TIM	E LO	STAR G	TTIM		08:00) =	ND TIMI		20:00
	Numbe Siz DC Cod	e	15	\dashv		20	$\overline{}$.20m			Water ×	Oil 🗌	Time Depth 08:00 989.63m 08:15 1018.88m	Deviation E	233.4 228.5	Ту	pe	98:00	17:30	Elapsed Co	DRIL	L 159MM H	OLE FROM	999M TO 1		& Remarks	
		r HALLIBU	IRTON	1	MUD MOTOF ION MAG FLEX MONEL GAP SUB	R 11	19 69	9.35m 1.71m	Funnel	Density Viscosity	08:15 1240 30s/l		09:00 1048.13m 09:30 1077.38m	0.6 0.6	233 233.4			17:30 18:15	18:15 19:30	0.75 20A 1.25 7 0.25 21	RIG		CT UPPER	PIPE RAM	N TIME 4 SEC TO CL RED IN 103 SI		
;	Serial No Jet	s 8.7 8	1276759 8.7 8.7 8.	.7 1	ION MAG FLEX MONEL (/O SINGLES OF	13	34 61	18.57m 0.94m		luid Loss pH			10:00 1106.63m 10:15 1135.88m 10:45 1165.13m	0.9 0.7 0.6	248.6 262.1 274.3			19:45	20:00	0.25 21		TY MEETIN					
	n Out (m		50	1	(O HYD/MECH J	13		46.81m 0.96m 5.20m	Location of	Depth PVT	SHAKER 1020m 57m3		Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density				+						
Total D	rilled (m un Toda)	100 9.5)5 1)	(O I1 HWDP	13	34 68	0.94m 383.76m	CIRCULA Pump# Type			sure Hours Rur	CENTRIFUGE	12	1245	1230	1900										
Cumulative Er CUTTIN	ntry Dat	2016/02/0			Drill Pipe		tands 1	043.25m	1SINGL 2SINGL			300 0 300 8	MUD MA	TERIAL:	S ADDI		unt Type										
TI TO		G	age		Drill Pipe Kelly D	Si	ingles	0.00m -8.38m	Remarks:				REACTION PREVENTION REDUCTION				2 EACH 1 EACH 6 EACH	1			+						
MDC LOC	_	Reason Pu otal Run (m		}	Weight o		1	512.00m 0kdaN					LIME NEWFLOC				5 EACH	1									
BRG From			PM WOB	НО	Weight of S LE CON e Drag			40kdaN	REDUCE	ED PUN	MP SPE	ED						INSPEC	CT CATW	/ALK,PIPE R/	ACKS,PIF	E RACK PI	NS/CHAINS	S,FLARE AN	ND DEGASSE	R LINES,LOAD	EER LINE HOOK LINE, MANUAL CHOKE
999m 1	512m	DRILL	40 11kda	N	e at Bottom on Bottom			00.00Nm	Pump No. Pro		70 @	Depth 1220	Boiler Boiler #	Hours Ru	n	pH :	Stack Temp	SAF		BING VALVE							MACP
										@	@		39		12	10.5	310	fire drill			Safety	Торіс			ME	56.00kdaN	3009kPa
TOUF	3	SIC	ANATUR		DRILLE		MIDI	v	MUD RE	CORD	SYLVAIN A	ARSENAUL'	DEVIATION	ON SHIP	VEVS			TIM	E LO	STAR	T TIM	E	20:00	E	ND TIMI		24:00
	: Numbe Siz		15	No	Compone		O ID			Mud Type	Water x	Oil 🗌	Time Depth 20:15 1516.13m		Direction 303.5	Ту	pe	From 20:00		Elapsed Co	_	L 159MM H		-	s in Sequence	& Remarks	
		r HALLIBU	RTON	1	MUD MOTOF ION MAG FLEX MONEL	⁽ 11		8.69m 9.35m		Time Density	20:00 1260	23:00 1260		0.7	315.4			23:30 23:45		0.25 20A 0.25 7		CTIONAL S SERVICE/ F				ECONDS TO	CLOSE
;	lyp Serial N Jet		1276759	94 2	OAP SUB ION MAG FLEX MONEL (/O	12 11 13	18 69	1.71m 18.57m 0.94m		Viscosity luid Loss pH	31s/l	31s/									+						
	n Out (m	8.7		15	SINGLES OF		14 72 34 75	46.81m	Location of	f Sample Depth	SHAKERS	SHAKERS	Equipment	Hours	Intake		Under Flow										
Total D	oth In (m rilled (m un Toda)	50 107 3.5	0 1	YD/MECH CO	JARS 13	34 68	5.20m 0.94m	CIRCUL		SPM Pres	SUI'RE Hours Rur	Name	Run	Density	Density	Density										
Cumulative	Hrs Ru		19.5	_	H HWDP	- 11	14 08	383.76m	Pump# Type 1SINGL 2SINGL	E 127	0 15	5500 0 5500 4	MUD MA		S ADDI						+						
TO	G ST	G	age		Drill Pipe Drill Pipe	Si	tands 1	0.00m					REDUCTION	Product		Amo	unt Type 2 EACH				Ŧ						
MDC LOC	_) Reason Pu otal Run (m			Kelly D	Total	1	-11.63m 1577.00m 0kdaN	Remarks:								\mp				+						
BRG MI=TIRI=	S DF	ILLED		НО	Weight of S	tring		40kdaN										INSPEC	CT CATV	ALK,PIPE RA	ACKS,PIF	E RACK PI	NS/CHAINS	S,FLARE AN	ND DEGASSE	R LINES,LOAD	
$\overline{}$	_	DRILL	PM W0B 50 10kda	N Torque	e at Bottom	Jp 1		00.00Nm	Pump No. Pre	essure St		Depth	Boiler						CT STAB	PER & LOWER			STOPS,CRO	OWN SAVER	IGNITER AND	PASON CHOKE	MANUAL CHOKE
					on Bottom			0.00m		@	@		Boiler #	Hours Ru	n 4	pH :	Stack Temp 310		connectio	ns	Safety	Topic			ME	HL 90.00kdaN	MACP 3109kPa
V. 1.3																											

	Well Name			GE SUN	MAR	Y			OY5252 Surfa	Sheet Seria 29_2016021 ce Location	10_1B	Vendo Pason		ersion Loc Type	Unique We	2016 II Id	02	10	DAILY C 1) Daily Walk Ard 2) Detailed Inspection (Page 1) H2S Signs Pos	ound Inspe- ection - We sted if Req	ction eekly (Using Ch juired		OP RN DB MR DB MR		Ad	DC
31527 Operator ARC RESOURCE Operator's AFE 16DRL0016 Signature of Ope	S	SUNRISE L2-2	25-78-18	8			Contrac 77	ctor SION DRILLING ctor's Job No ire of Contracto	6, DIV OF F			Rig I 529	No	DLS Well Type HORIZ Spud Date 2016/02/07 Rin Releas	Time	-078-17W6/0		Entry	4) Well Licence 8 5) Flare Lines St 6) BOP Drills Per 7) Visually Inspec 1) Rig Site Healt 2) CAODC Rig Sa 8) Mast Inspecti	aked rformed ted BOPs - h & Safety afety Insper on before F	Flare Lines & Do	egasser Lines crew/month) (one/rig/mor		1	asc	
Maddison Mike		3	4	5	6	7		RAYMOND	10	11	12	13 1		2016/02/21		18	19	20	4) Crown Saver 5) Motor Kills Ch	Checked necked	23	24	MR.		Paso Kelly Bushing 5.90	Op Fuel 2483.00
Tour 1		Reaming 00	Coring	Cond Mud	Trips	Rig Servic			Dev		Run Csg & Cement	Wait On Cement BO	le Up Test	Drillste	m Plug	Squeeze Cement	Fishing	Dir Work 1.0	Safety Meeting 00 0.50	Tear Down	Waiting On	Rig Watch		TOTAL 8.00 12.00	2073 Time Current Condition CLEAR	06:00 Temp ons -1.00
Total	3. 13.			0.50	6.2	0.: 5 0.:	_											0.: 2.:						4.00 24.00	Wind Direction N Road Condition FAIR	Wind Strength CALM
TOUR 1	SI	GNATUR								JOS	SH GILBER									T TIM	/IE	00:00	E	ND TIMI		08:00
BITS Bit Num			No		ent OD	ID L	ength	MUD RE	Mud Type	Water ×	Oil	Time Depth 02:45 1603.88n	Deviation		Ty	/ре	From	_	Elapsed Co	_				s in Sequence	& Remarks	
IADC C	ode Lurer HALLIB	JRTON 15	1	MUD MOTOR	20 R 11	9 69	.20m 8.69m 9.35m		Time Density	02:00	04:00	02.43 1003.001	0.4	01.0			00:00		3.002 0.2520A 0.505	DIRE	L 159 mm H ECTIONAL S IDITION MUD	URVEYS/ (CONNECTIO			
Seria		1276759	94 2	GAP SUB NON MAG FLEX MONEL	12 X 11	1 68	1.71m 18.57m	Funnel V Flo	uid Loss	31s/l	31s/						03:45	04:00	0.2521 3.006B	SAFI	ETY MEETIN OUT OF HOL	IG/ COP 2- E FROM 16	4/ TRIP OU 13M-0M. WIT	'H 10 MIN FC'S		W/566M/339M/0M .
Depth Out	8.7	8.7 8.7 8.	1	X/O 5 SINGLES OF HWDP XO	13 11 13	4 72 4	0.94m 46.81m 0.96m	Location of	Sample S	SHAKERS	SHAKERS				Ouer Fleur	Under Flov	v 07:00	0 07:15	0.2521	FLO!	WCHECK OL	JT OF HOL	.E	+ 10.26 M/3.		2M/3 . 10 MIN TING/ COP 2-1
Depth In Total Drilled	(m)	50	07 1	HYD/MECH . XO		6 62	5.20m 0.94m	CIRCULA	PVT			Equipment Name	Hours Run	Intake Density	Over Flow Density	Density	07:1	-	0.7520	$\overline{}$						IT/ MAKE UP BIT
Hrs Run To Cumulative Hrs	Run	3.0 22.5	\neg	41 HWDP	11	4 68 3	83.76m	Pump# Type 1 SINGLE	127	0 8	BOOO (MUD MA	MEDIAL	SADD	ED											
CUTTING S				Drill Pipe Drill Pipe			40.75m 0.00m	2SINGLE	140	88 8	3000 7	REDUCTION	Product	.9 ADD		ount Type 7 EAC	н									
TO 1 MDC CC	Reason P	ODC NO ulled BHA		Kelly D				Remarks:				PREVENTION CALCIUM NIT				1 EAC										
BRG X	Total Run (ı			Weight of S	String	4	0kdaN 40kdaN									+		_								GER LINE HOOK
From To 1577m 1613m	D-R-C I	RPM WOB	Но	ole Drag	Up 5	Down		REDUCE Pump No. Pre			Depth	Ballan					FUNCT	IONED UF		R TRAVEL	LIMITS & E-S			ID DEGASSE		,MANUAL CHOKE
			- II	on Bottom			0.00m		@	@		Boiler Boiler #	Hours R	un 8	pH 10.5	Stack Temp	10	ETY		Safety	Торіс			ME		MACP
TOUR 2	e l	GNATUR	 PE_05	: DBILLE	=D				@	@							DERRI	CK CON	NECTIONS	T TIM	4E	08:00	· -	ND TIMI	75.00kdaN	3109kPa
BITS		GNATOR	DF	RILLING	ASSE			MUD RE	CORD	SYLVAIN A		DEVIATI					TIM	E LO	G			08.00	_	ND IIIMI	-	20.00
Bit Num : IADC C	Size	15		Compone BIT MUD MOTOR	20		0.20m 8.66m			Water x ther	Oil 📙	Time Depth 13:00 1633.1n 15:00 1662.35n		Direction 84.3 75.8	Ty	/ре	08:00	_	Elapsed Co	DIRE		RK CHANGE		in Sequence		IS WHILE OUT OF
Manufact	urer HALLIB ype MM54R	JRTON	1	NON MAG FLE: MONEL GAP SUB	X 11	9 69	9.35m 1.71m	Funnel V	Density	1260 30s/l		18:00 1691.6n	0.6	119.8			08:15	08:30	0.2521	SAFE	E,3 SEC TO ETY MEETING DIFF 3.02M3		ACK IN HOL	E REV COP 2-5	TRIP CAL 7.2	4M3 ACTUAL10.26
Seria	Jets 8.7	1250480 8.7 8.7 8.	-	NON MAG FLE MONEL X/O 5 SINGLES OF	13	4 61	0.94m		pH									11:45	3.25 6A	MIN,	FILL PIPE @	300M W	ASH DOWN	N LAST 3 STA	ND	FLOW CHECK 10
Depth Out Depth In		161		XO HYD/MECH J	11 13 IARS 13	4 75	0.96m 5.20m	Location of	Depth PVT	1630m		Equipment Name		Intake Density	Over Flow Density	Under Flow Density		19:00	7.25 2 0.50 20A	RES	OURCES AN	ID PRECIS	ION DRILLI			DOWN WITH ARC
Total Drilled Hrs Run To	day	7.2	07 1 25 1	XO 41 HWDP	13	4 68	0.94m	CIRCULA Pump# Type		SPM Pres	ssure Hours Rui	CENTRIFUGE	12	1265	1260	190		19:45	0.25 7 0.25 21	RIG	SERVICE FO	T UPPER	PIPE RAM	SEC TO CLO EETING/ PLA	OSE	
Cumulative Hrs Entry D	ate 2016/02			Drill Pipe	St	ands 128	57.75m	1SINGLE 2SINGLE		-	9100 0	MUD MA	Product	S ADD		ount Type										
TI TO		Gage ODC		Drill Pipe Kelly D	Si	ngles	0.00m 14.85m	Remarks:				PREVENTION LIME				7 EAC 1 EAC 6 EAC	:н									
MDC LOC BRG	Reason P Total Run (i		1	Weight o			0kdaN					NEWFLOC				1 EAC	H	dia ma								GER LINE HOOK
METRES D		RPM WOB	_	Weight of S DLE COI ole Drag		ON	53kdaN 5	REDUCE	D PUN	MP SPE	ED						INSPE	CT CATV	VALK,PIPE R	ACKS,PIF	PE RACK PIN	NS/CHAINS	FLARE AN	D DEGASSE	R LINES,LOAI	
1613m 1720m	DRILL	10 9kda	Torqu	ue at Bottom on Bottom		400	0.00Nm 0.00m	Pump No. Pre 2 8400		80 @	Depth 1640	Boiler Boiler#	Hours R	un	pH	Stack Temp	SAF	CT STAB	BING VALVE							
							ŀ		@	@		39	96	12	10.5	3:	HANDL	E BHA		Safety	Торіс			ME	HL 62.00kdaN	MACP 2860kPa
TOUR 3	SI	GNATUR								JOS	SH GILBER	DENGA-	211 011	WEW.			1			T TIN	/IE	20:00	E	ND TIMI		24:00
BITS Bit Num	nber 4 Size	15	No	Compone BIT	_	ID L		MUD RE	Mud Type	Water x	Oil 🗌	Time Depth 20:00 1720.85n			Ty	/ре	From 20:00	_	Elapsed Co	_	.L 159mm H0			s in Sequence	& Remarks	
IADC C			1	MUD MOTOR NON MAG FLEX MONEL	D 11	9 69	8.66m 9.35m		Time Density	21:00	23:45 1570	21:15 1750.1n 23:00 1779.35n	0.0 n 0.8	352.1 354.9			23:15	23:45	0.50 20A	A DIRE	ECTIONAL S	URVEYS/C	ONNECTIO		CONDS TO	CLOSE
Seria		1250480	06 2	GAP SUB NON MAG FLEX MONEL	12 X 11 13	8 69	1.71m 18.57m 0.94m	Funnel V Flo	/iscosity uid Loss pH	31s/l	33s/						\vdash									
Depth Out	8.7	8.7 8.7 8		X/O 5 SINGLES OF XO		_	0.94m 46.81m 0.96m	Location of		SHAKERS	SHAKERS	SOLIDS Equipment		OL Intake	Over Flow	Under Flov	v									
Depth In Total Drilled	(m) (m)	161 18	35 1	HYD/MECH . XO	13	4 68	5.20m	CIRCULA	_			Name CENTRIFUGE	Run	Density 1260	Density 1210	Density										
Hrs Run To Cumulative Hrs		10.5		41 HWDP	13	4 68 3	83.76m	Pump# Type 1SINGLE 2SINGLE	127	0 9	9100 C	MUD MA	TERIAL	S ADD	ED											
CUTTING S	TRUCT			Drill Pipe Drill Pipe		ands 13	45.50m 0.00m	ZBINGLE	140	00 8	9100 4	REDUCTION	Product			ount Type 4 EAC										
MDC LOC	Reason P		1		Total		24.60m 98.00m	Remarks:																		
BRG METRES D	`		нс	Weight of S	String		0kdaN 63kdaN									\pm			-	_				MAN,CAT HEA		GER LINE HOOK D LINE,
From To 1720m 1798m	D-R-C I	RPM WOB 45 10kda	Ho		Up 5	Down			ssure Str	okes/min	Depth	Boiler					FUNCT	IONED UF		R TRAVEL	LIMITS & E-					,MANUAL CHOKE
			Fill	on Bottom			0.00m	2 2500	@ @	50 @ @ @	1793	Boiler #	Hours R	un 4	pH 10.5	Stack Temp 3	10	CK CON	NECTIONS	Safety	Торіс			ME	HL 80.00kdaN	MACP 3009kPa
V. 1.3			_				-																			

FRONT PAGE SUMMARY License No Well Name	Tour Sheet Serial Number 0Y52529_20160211_1B Surface Location		10nth Day 02 11 Daily Walk Around Inspection 2) Detailed Inspection - Weekly (Using Check List) 3) HZS Sions Posted if Required	OP RM DB MR DB MR CAGDC
31527 ARCRES HZ SUNRISE L2-25-78-18 Operator ARC RESOURCES Operator's AFE 6DR.LOOTe Signature of Operator Representative	02-25-078-18W6 Contractor PRECISION DRILLING, DIV OF PDCLP Contractor's Job No 77 Signature of Contractor's Rig Manager	BC	Re_Entry 5) Flare Lines Staked 6) BQP Drills Performed 7) Visually Inspected BOPs - Flare Lines & Degasser Lines 1) Rig Site Health & Safety Meeting (one/crew/month) 2) CAODC Rig Safety Inspection Checklist (one/rig/mor	DB MR
Maddison Mike CODE 1 2 3 4 5 6 7	MARC RAYMOND 8 9 10 11 12	2016/02/21 23:59 13 14 15 16 17 18	4) Crown Saver Checked 5) Motor Kills Checked 19 20 21 22 23 24	Pason Kelly Bushing Op Fuel 2484.00
Rig Drill Reaming Coring Cond Mud Trips Rig Service	Repair Cut Off Dev Wireline Run Csg Rig Drilg Line Survey Logs & Cement	Weit On Minnle Un Teet Drilletom Blue Courses	Dir Safety Tear Waiting Rig Down On Watch	Other TOTAL Geometric Geom
Tour 3 3.25 0.2 Total 12.50 0.50 5.25 0.5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 		0.25 0.25 3.25 1.75	4.00 Wind Direction Wind Strength N CALM 24.00 FAIR
TOUR 1 SIGNATURE OF DRILLER	JOSH GILBERT		START TIME 00:00	END TIME 08:00
Bit Number 4 DRILLING ASSEMBLY No Component 0D ID Let	MUD RECORD ength Mud Type Water 🗴 Oil 🗌	DEVIATION SURVEYS Time Depth Deviation Direction Type	TIME LOG From To Elapsed Code Details or	f Operations in Sequence & Remarks
IADC Code 1 1 MUD MOTOR 119 69 8	0.20m Other	00:30 1808.6m		1798M-1822M IRE IN 120 SECONDS. CREW RESPONDED WELL. ALL CREW RECTION AND HEADED TO APPRPRIATE MUSTER POINTS
Type MM54R 1 GAP SUB 121 68	9.35m Density 1270 1270 1.71m Funnel Viscosity 32s/l 32s/l 18.57m Fluid Loss		RIG 01:30 04:15 2.752 DRILL 159mm HOLE FROM	
Jets 8.7 8.7 8.7 1 X/O 134 61 (0.94m pH Location of Sample SHAKERS SHAKERS	SOLIDS CONTROL	04:15 04:45 0.5020A DIRECTIONAL SURVEYS/ 0 04:45 05:15 0.505 CONDITION MUD & CIRCU	CONNECTIONS
Depth In (m) 1613 1 HYD/MECH JARS 136 62	0.96m Depth 5.20m PVT	Equipment Name Run Density Density Density Density	05:30 08:00 2.506B TRIP OUT OF HOLE FROM 1	TO TRIPPING OUT/ COP 2-4 853M-303M. WITH 10 MIN FC'S @1763M/1062M/509M/OM
	0.94m CIRCULATION 83.76m Pump# Type Liner Size SPM Pressure Hours Run 1 SINGLE 127 0 9600 0	CENTRIFUGE 8 1270 1210 1580	FINAL TRIP CALC= 8.35M/3	3. ACTUAL=9.80M/3. DIFF = + 1.45M3M/3
Entry Date 2016/02/10	1 SINGLE 127 0 9600 0 2 SINGLE 140 88 9600 8	MUD MATERIALS ADDED Product Amount Type		
TO 2 ODC BC Kelly Down -2	0.00m Remarks:	REDUCTION 6 EACH LIME 5 EACH PREVENTION 1 EACH		
LOC M Total Run (m/hr) 16.55 Weight of DC	53.00m OkdaN 53kdaN	CALCIUM NITRATE 50 EACH	Remarks: INSPECT FLOOR EQUIPMENT, TONG, BACK UP SLI	NICO PEAD MAN CAT HEAD OT SO THOOFD HIM HOOK
Weight of all in Weight of all in Weight of all in			INSPECT CATWALK, PIPE RACKS, PIPE RACK PINS/CHAINS FUNCTIONED UPPER & LOWER TRAVEL LIMITS & E-STOPS, CRC	FLARE AND DEGASSER LINES, LOAD LINE,
1798m 1853m DRILL 45 12kdaN Torque at Bottom 6500.	0.00Nm Pump No. Pressure Strokes/min Depth 2 2600 @ 50 @ 1851	Boiler Boiler # Hours Run pH Stack Temp	INSPECT STABBING VALVE/INSIDE BOP SAFETY	
		396 8 10.5 310	Safety Topic DERRICK CONNECTIONS	MEHL MACP 85.00kdaN 3009kPa
TOUR 2 SIGNATURE OF DRILLER	ROB STAMP		START TIME 08:00	END TIME 20:00
DRILLING ASSEMBLY		DEVIATION SURVEYS Time Depth Deviation Direction Type		f Operations in Sequence & Remarks
IADC Code 1MUD MOTOR 119 69 8	0.20m Other 8.66m Time 14:15 16:30 9.35m Density 1260 1260	14:15 1857.32m	08:15 10:30 2.25 20 DIRECTIONAL WORK, CHAI	ON HANDLE BHA,FUNC BLIND RAMS 4 SEC TO CLOSE NGE OUT MWD,BIT,ADD UBHO AND PULSE TOOL P BACK IN HOLE REVIEW COP 2-2-5
Type MM54R 1GAP SUB 121 68 1	1.71m Funnel Viscosity 30s/l 32s/l 0.80m Fluid Loss		10:45 11:15 0.50 6A TRIPS IN HOLE FILL PIPE 6	© 613M FCT PULSE TOOLS FLOW CHECK 10 MIN, P AND CUT DRILL LINE COP 6-4A
Jets 9.5 <td>77.92m pH SHAKERS SHAKERS</td> <td>SOLIDS CONTROL</td> <td>11:30 11:45 0.25 9A SLIP/CUT DRILLING LINE F</td> <td>FULL BLOCK CALIBRATION FCT LIMITS STOP / CHECK 10MIN @ 994M @1500M WASH DOWN LAST STAND</td>	77.92m pH SHAKERS SHAKERS	SOLIDS CONTROL	11:30 11:45 0.25 9A SLIP/CUT DRILLING LINE F	FULL BLOCK CALIBRATION FCT LIMITS STOP / CHECK 10MIN @ 994M @1500M WASH DOWN LAST STAND
Depth In (m) 1853 15 SINGLES OF 114 72 46	0.94m Depth 1857m 1891m 6.81m PVT 46m3 53m3	Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density CENTRIFUGE 12 1265 1260 1900	14:00 19:15 5.252 DRILL 159MM HOLE FROM 19:15 19:30 0.25 20A DIRECTIONAL SURVEYS, (CONNECTION TIME
Hrs Run Today 5.25 1HYD/MECH JARS 136 62 5	0.96m CIRCULATION 5.20m Pump# Type Liner Size SPM Pressure Hours Run 0.94m 1SINGLE 127 0 16000 0	CENTRIFUGE 12 1203 1200 1900		PIPE RAM 4 SEC TO CLOSE D ALL MEMBER AT MUSTER AERA FOR HEAD COUNT K WARNING SIGN
Entry Date 2016/02/11 141 HWDP 134 68 383	3.76m 2SINGLE 140 90 16000 7	MUD MATERIALS ADDED Product Amount Type		
TO ODC Kelly Down -18	0.00m	REDUCTION 6 EACH NEWSTABIL 1 EACH LIME 6 EACH		
LOC Total Run (m/hr) Weight of DC 0	11.00m OkdaN ISkdaN	REACTION 1 EACH	Remarks: INSPECT FLOOR EQUIPMENT, TONG, BACK UP SLI	INGS DEAD MAN CAT HEAD ST.80 THIGGER LINE HOOK
METRES DRILLED			INSPECT CATWALK, PIPE RACKS, PIPE RACK PINS/CHAINS FUNCTIONED UPPER & LOWER TRAVEL LIMITS & E-STOPS, CRC	S,FLARE AND DEGASSER LINES,LOAD LINE,
1853m 1941m DRILL 45 10kdaN Torque at Bottom 4500.	2 5600 @ 60 @ 1870	Boiler Boiler # Hours Run pH Stack Temp	INSPECT STABBING VALVE/INSIDE BOP SAFETY	150
		396 12 10.5 310	Safety Topic TRIP IN HOLE	MEHL MACP 60.00kdaN 2860kPa
TOUR 3 SIGNATURE OF DRILLER	JOSH GILBERT		START TIME 20:00	END TIME 24:00
BITS DRILLING ASSEMBLY Bit Number 6 No Component 0D ID Let	ength Mud Type Water x Oil	DEVIATION SURVEYS Time Depth Deviation Direction Type 20:15 1945.07m 0.2 107.8		f Operations in Sequence & Remarks
IADC Code 1MUD MOTOR 119 69	0.20m Other 8.66m Time 20:00 23:00 9.35m Density 1260 1260	22:15 1943.0/m	l	. 1941M-1994M. N. ALL MEMBERS TO APPROPRIATE MUSTER POINT AD HEAD CH PATTERNS REVIEWED.
Type MM54R 1GAP SUB 121 68	1.71m Funnel Viscosity 30s/l 30s/l 0.80m Fluid Loss			OWER PIPE RAMS/ 4 SECONDS TO CLOSE
9.5 1 1 NON MAG FLEX 120 72	9.32m Location of Sample SHAKERS SHAKERS	SOLIDS CONTROL		
Depth In (m) 1853 15 SINGLES OF HWDP 114 72 4	0.94m Depth 1937m 1984m 46.81m PVT 53.5m3 53m3	Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density CENTRIFUGE 4 1270 1240 1670		
Hrs Run Today 3.25 1HYD/MECH JARS 136 62	0.96m CIRCULATION 5.20m Pump# Type Liner Size SPM Pressure Hours Run 0.94m 1SINGLE 127 0 9500 0	CENTRIFUGE 4 1270 1240 1670		
	83.76m 2SINGLE 140 96 9500 4	MUD MATERIALS ADDED Product Amount Type		
TO ODC Kelly Down -2	0.00m 23.57m Remarks:	REDUCTION 2 EACH LIME 6 EACH PREVENTION 1 EACH		
LOC Total Run (m/hr) Weight of DC	94.00m OkdaN 55kdaN	CALCIUM NITRATE 30 EACH	Remarks: INSPECT FLOOR EQUIPMENT, TONG, BACK UP SLI	INGS,DEAD MAN,CAT HEAD.ST-80.TLIGGER LINE HOOK
	5 REDUCED PUMP SPEED		INSPECT CATWALK, PIPE RACKS, PIPE RACK PINS/CHAINS FUNCTIONED UPPER & LOWER TRAVEL LIMITS & E-STOPS, CRC	S,FLARE AND DEGASSER LINES,LOAD LINE,
1941m 1994m DRILL 25 10kdaN Torque at Bottom 6500.	0.00Nm Pump No. Pressure Strokes/min Depth 0.00m 2 2750 @ 52 @ 1987	Boiler Boiler # Hours Run pH Stack Temp	INSPECT STABBING VALVE/INSIDE BOP SAFETY	
V1.3		396 4 10.5 310	Safety Topic DERRICK CONNECTIONS	MEHL MACP 95.00kdaN 3109kPa

	Vell Name	FRON		E SUM	IMARY	,			OY5252 Surfac	Sheet Seria 9_2016021 ce Location		Vendor S Pason		ersion Loc Type	Unique We	2016 II ld	02	12	H2S Sign	k Around nspection s Posted	I Inspection in - Weekly (if Required		ist) DB	MR MR	6	Ad	DC
perator RC RESOURCES	RCRES HZ S	UNRISE L2-2	5-78-18			P		N DRILLING,		78-18W6 DCLP		Rig No 529		DLS Well Type HORIZ		-078-17W6/00		Entry	5) Flare Line 6) BOP Drill:	es Staked s Perform	ned	Posted Lines & Degass	DB DB ser Lines DB	MR			
Operator's AFE SDRL0016 Signature of Opera Laddison Mike	tor Represe	ntative				7 S	7 ignature	r's Job No of Contractor	r's Rig Mai	nager				Spud Date 2016/02/07 Rig Releas 2016/02/21	04:00 e Date Time			- 1	2) CAODC R 3) Mast Insp 4) Crown Sa	ig Safety ection be wer Chec	Inspection efore Raisin cked	ting (one/crew/ Checklist (one ng or Lowering	/rig/month)	MR	p	Paso	
CODE 1	2	3	4	5 Cond Mud	6	7	8 Repair	9 Cut Off	10 Dev	11 Wireline	12 Run Csg	13 14 Wait On Nipple	15	16	17	18 Squeeze	19	20 Dir	5) Motor Kill 21 Safet	2	22		Dia	25	E	ly Bushing 5.90 UEL @ 08	Op Fuel 3000.00 B:00 HOURS
Tour 1 Tour 2	7.2 9.2	5	Coring	& Circ	Trips	0.25 0.25	Rig	Drilg Line	Survey		& Cement	Cement BOF	BOP	Test		Cement	Fishing	0.: 2.:	Meeti 25 0		own	On W	atch Of	ther TO	8.00 12.00	Time Current Condition CLEAR Wind Direction	06:00 -1.00 ins
Tour 3 Total	3.7 20.2	 				0.25 0.75												2.	50 0	.50					4.00 24.00	Wind Direction N Road Condition FAIR	Wind Strength CALM
FOUR 1	SIC	NATURE			ER ASSEI	//RIV	l N	IUD REC	CORD	JOS	H GILBERT	DEVIATIO	N SIID	VEVS			TIM	E LO		ART	TIME		00:00	END	TIME		08:00
Bit Numb	ze	159	No 0	Componer	nt OD 200	ID Leng	gth 20m		lud Type Ot	Water 🗴	Oil 🗌	Time Depth 01:00 2003.57m		Direction 67.8	Ту	ре	From 00:00	To 07:15	Elapsed 7.25	2	_	9mm HOLE	FROM 199-	4M-2101M	Sequence &	Remarks	
IADC Coo Manufactur Typ	er HALLIBU	RTON	1 NON MON	D MOTOR MAG FLEX P SUB	119 119 121	69 9.	66m 35m 71m	[Funnel Vi	Time Density iscosity	02:00 1270 30s/l	05:00 1270 30s/	03:15 2032.82m 05:15 2062.07m 07:30 2091.32m	0.5	69.9 102.9 103.4			07:15 07:30 07:45	07:45	0.25 0.25 0.25	7	RIG SER	ONAL SURV VICE/FUNC MEETING/P	TION ANNU	JLAR/ 22 S		O CLOSE	
Serial N Je		12381792 9.5 9.5 9.5	3 NON	HO SUB N MAG FLE NEL I MAG FLEX	120 EX 118	69 27.	92m 32m	Flui	pH Sample s	SHAKERS	SHAKERS	SOLIDS	ONTR	OI													
Depth Out (r Depth In (r Total Drilled (r	m)	1853	1 X/O	NGLES OF OP	134 114 134	61 0. 72 46.		IRCULA	Depth PVT	2010m 53m3	2057m 53m3	Equipment Name CENTRIFUGE	Hours Run	Intake Density	Over Flow Density	Under Flow Density											
Hrs Run Toda Cumulative Hrs Ru	ay	7.25 15.75	1 HYE	D/MECH J	IARS 136	62 5. 68 0.	20m Pu 94m	mp# Type 1 SINGLE		-	sure Hours Rur	MUD MA				1000											
Entry Da			55 Dri	HWDP ill Pipe ill Pipe		nds 1608.	\neg \vdash	2SINGLE	140	0 9	1400 8	REDUCTION NEWFLOC	Product	.S AUL		2 EACH											
TO MDC LOC	(Reason Pu Total Run (m			Kelly Do	Total	2101.		emarks:				NEW EGG				I EACI											
BRG FEES DE	RILLED	PM WOB	HOL	eight of St	tring	75k	daN	EDUCE	D PUM	ID SDE	ED						INSPEC	CT CATV	VALK,PIPI	E RACK	KS,PIPE R.	ACK PINS/C	HAINS,FLA	RE AND D	EGASSER	LINES,LOAD	GER LINE HOOK LINE, ,MANUAL CHOKE
1994m 2101m	DRILL	415 140kdaN	Hole D Torque at Fill on		JP <u>5</u>	6500.0			ssure Str	okes/min 50 @	Depth 2045	Boiler Boiler #	Hours R	un	pH	Stack Temp	INSPEC		BING VAL	VE/INS	SIDE BOP		S,CKOWN C	JAVEIX,IGIN			
									@	@		396		8	10.5	310	FIRE DE	RILL		S	Safety Topi	ic			MEH 90	0.00kdaN	MACP 2910kPa
FOUR 2	SIC	NATURE			ER ASSEI	MBLY	In	IUD REC	CORD	F	ROB STAME	DEVIATIO	N SUR	VEYS			ТІМІ	E LO		ART	TIME		08:00	END	TIME		20:00
Bit Numb	ze	159	No (Componer	nt OD 200	ID Leng	gth 20m		lud Type	Water ×		Time Depth 09:45 2120.57m 11:30 2149.82m			Ту	ре	From 08:00	To 17:15	Elapsed 9.25	2	i e	9 MMHOLE	FROM 210	1M-2225m.	Sequence &	Remarks	
IADC Coo Manufactur Typ	er HALLIBU	RTON	1 NON MON	D MOTOR I MAG FLEX NEL P SUB	119 119	69 9.3	35m 71m	[Funnel Vi	Density	09:00 1270 31s/l	12:00 1280 31s/	12:45 2169.32m 13:15 2179.07m 15:30 2193.8m	0.8	82.8 83.3 72.4			17:15 19:30 19:45	19:45	0.25 0.25	7	RIG SER	ONAL SURV VICE FUNCT MEETING/P	TION UPPE	R PIPE RA		NDS TO CL	.OSE
Serial N Je		12381792 9.5 9.5 9.5	3NON MOME	HO SUB N MAG FLE NEL I MAG FLEX		69 27.	30m 32m 32m	Flui Location of S	pH Sample s	SHAKERS	SHAKERS	17:45 2208.32m 19:45 2223m SOLIDS 0	6.9 9.5 ONTR	74 80.9													
Depth Out (r Depth In (r Total Drilled (r	n)	1853	HWE	NGLES OF	134 114 134	61 0.9 72 46.8	34m 31m	IRCULA	Depth PVT			Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density											
Hrs Run Toda Cumulative Hrs Ru	ау	9.25 25.00	1HYE	D/MECH J	ARS 136	62 5.1 68 0.1	20m Pu 94m	mp# Type 1SINGLE	Liner Size 127	0 11	400 0	MUD MAT	FRIAL	SADD	ED												
UTTING ST	TRUCTU G	JRE age	60 Dri	HWDP ill Pipe ill Pipe		nds 1755.	\neg \vdash	2SINGLE	140	88 11	400 12	REDUCTION REACTION	Product			ount Type 4 EACH 1 EACH											
MDC LOC) Reason Pu Total Run (m			Kelly Do	Total	-26.9 2225.0 0k	00m	emarks:				PREVENTION LIME NEWFLOC				1 EACH 6 EACH 1 EACH											
BRG From To		PM WOB			IDITIO			EDUCE	D PUM	IP SPE	ED]					INSPEC	CT CATV	VALK,PIPI	E RACK	(S,PIPE R	ACK PINS/C	HAINS,FLA	RE AND D	EGASSER	LINES,LOAD	SER LINE HOOK LINE, ,MANUAL CHOKE
2101m 2225m	DRILL	30 12kdaN	Torque at	Bottom		5200.0		mp No. Pres 2 2950	sure Str		Depth 2222	Boiler Boiler #	Hours R			Stack Temp	SAF		BING VA		SIDE BOP Safety Topi				MEH		MACP
									@	@		396		12	10.5	310	DERRIC	CK CON	NECTION							.00kdaN	2910kPa
FOUR 3		NATURE	DRIL	LING .	ASSEI	_		IUD REC			SH GILBER	DEVIATIO						E LO	G		TIME		20:00		TIME		24:00
Bit Numb Siz IADC Coo	ze	159	1BIT	Componer D MOTOR	200		20m 66m	M		Water x ther 20:00	0il	Time Depth 22:00 2237.57m	Deviation 11.4	Direction 83	Ту	pe	20:00 23:45	_	3.75 0.25	2		De 59MM HOLE VICE/FUNC	FROM 2225	5M-2246M.	Sequence &		LOSE
Manufactur Typ Serial N	ne MM54R	RTON 12381792	1 NON MON 1 GAF	I MAG FLEX VEL P SUB HO SUB	119 121 120	69 9. 68 1.	35m 71m 80m	Funnel Vi	Density iscosity id Loss	1300 30s/l	1300 30s/																
Je	ts 9.5	9.5 9.5 9.5	3NON MOI	N MAG FL	EX 118	69 27	92m 32m	Location of S	pH Sample s		SHAKERS	SOLIDS C	ONTR	OL													
Depth Out (r Depth In (r Total Drilled (r	n)	1853	1X/O 15 SIN 1XO		134 HWDP 114 134	72 46	94m 81m 96m C	IRCULA	Depth PVT	2224m 58m3	2242m 57m3	Equipment Name CENTRIFUGE	Hours Run	Intake Density	Over Flow Density	Density											
Hrs Run Toda Cumulative Hrs Ru Entry Da		3.75 28.75	1XO	D/MECH J.	IARS 136 134	68 0	94m	mp# Type 1SINGLE 2SINGLE	Liner Size 127 140	0 9	sure Hours Rur 1500 0 1500 4	MUD MA	ERIAL	S ADD	ED												
TI TO	G	JRE age DDC	60 Dri		Sta Sing	nds 1755. gles 0.	00m	emarks:				LIME PREVENTION	Product		Amo	ount Type 6 EACH 1 EACH	╟──										
MDC	Reason Pu Total Run (m	lled			Total	2246. 0l	\neg \vdash					REDUCTION NEWSTABIL				2 EACH		the INC	PECT FLO	OR FO	IIDMENT	TONG PACI	IID SI INICO	DEAD MAN	N CAT HEAD	ST.an THO	SER LINE HOOK
METRES DE	D-R-C RI	PM WOB	HOLI Hole D	E CON	IDITIO	Down 8		EDUCE									INSPEC	CT CATV	VALK,PIPI	E RACK	(S,PIPE R RAVEL LIMI	ACK PINS/C	HAINS,FLA	RE AND D	EGASSER	LINES,LOAD	
2225m 2246m	DRILL	25 10kdaN	1	Bottom Bottom		6500.0	00m Pui	mp No. Pres 2 3000	@	50 @	Depth 2241	Boiler Boiler #	Hours R	un 4	pH 10.5	Stack Temp	SAF	ETY	BBING VAI		SIDE BOP Safety Topi				MEH		MACP
1.3]						@	@		390				510	-1I	connection	ons						9:	i.00kdaN	3009kPa

License No	We	II Name	FRON	T PA	GE SUN	IMAR'	7			0Y5252	Sheet Serial 29_2016021 ce Location		Vendo Pason	or Software V	ersion Loc Type	Unique We	Year 2016	Month 02	13	DAILY C 1) Daily Walk Ard 2) Detailed Inspe 3) H2S Signs Po	ound Inspec ection - We	ction ekly (Using Ch	eck List)	OP RIDB MR	∃ <i>(</i>	CAC	DC	5
31527 Operator ARC RESOUR Operator's AF 16DRL0016 Signature of	RCES	RES HZ SU		25-78-18				Contrac 77	ctor SION DRILLING ctor's Job No ire of Contracto	, DIV OF P			Rig 529		DLS Well Type HORIZ Spud Date 2016/02/07 Rig Releas	Time	-078-17W6/		Entry	4) Well Licence 8 5) Flare Lines St 6) BOP Drills Per 7) Visually Inspec 1) Rig Site Healt 2) CAODC Rig St 3) Mast Inspection	aked formed ted BOPs - h & Safety afety Inspec on before F	Flare Lines & Do Meeting (one/o	egasser Lines crew/month) (one/rig/mor	nth)	F	as		>
Maddison Mike		2	3	4	5	6	7	MARC 8	RAYMOND 9	10	11	12	13 1	4 15	2016/02/21	23:59	18	19	20	4) Crown Saver 5) Motor Kills Ch 21	Checked ecked	23	24	MR. 25		Kelly Bushing 5.90	0p Fuel 3625.00	
Tour 1 Tour 2 Tour 3	Rig Up	Drill Actual 0.75 5.00	Reaming	Coring	Cond Mud & Circ 0.75	irips	0.	25 25		Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Nipp Cement B	ole Up Tes OP BOI	t Drillste P Test		Squeeze Cement	Fishing	Dir Work 1.	50 0.25 75 0.50	Tear Down	Waiting On	Rig Watch	Other	8.00 12.00	Fig 11 Fig Time Current Co CLEAF Wood Dirac	06:00 Temp nditions tion Wind Stren	0.00 -1.00
Total		3.25 9.00			0.75	9.00	0.	_											3.						24.00		GALM Elicon	_
TOUR	1	SIGI	NATUR	_	DRILLE		MOLV	, 1	MUD DE	00DD	JOS	H GILBERT	DEVIAT	ION OU	DVEVO			1	-		T TIM	IE	00:00	E	ND TIN	IE	08:00	
BITS Bit N	Number Size	6	15	No	Compone		ID L		MUD RE	Aud Type	Water x	Oil 🗌	Time Depth	_		Ty	/ре	From 00:00	1	Elapsed Co	_	L 159mm Bl				ce & Remark	s	
	C Code	HALLIBUR		1 1	MUD MOTOF ON MAG FLEX IONEL	_	69	8.68m 9.35m		Time Density	02:00							00:4	_	0.7520A	DIRE	CTIONAL S CULATE				nvi.		=
Si	Type erial No	MM54R	1238179	2 1L	SAP SUB	12	72	1.71m 0.80m	Funnel V Flu	uid Loss	30s/l							02:1:	06:45	4.506B	2104	M/1927M/117	0M/615M/20	OM . 10 MIN	FLOWCHEC	IN FC'S @ 2 K OUT OF TH	250M/ HE HOLE. FINAL	. TRIP
Depth	Jets Out (m)	9.5 9.5	9.5 9.	1 1	ION MAG FLE IONEL ION MAG FLEX IONEL	118 120	72	9.32m 0.94m	Location of	Sample s	SHAKERS 2250m		SOLIDS		_	Over Flow	Under Flo	06:4 w 07:0	-	0.2521 0.7520	SAFE	C= 9.68M. AGETIN	IG PRIOR 1	TO TOOLS	COP 2-1	F JARS/ URH	O/MWD TOOLS/	MAKE
	h In (m)		185	3 1 5	SINGLES OF IWDP	114	4 72	46.81m 0.96m	CIRCULA	PVT	30m3		Equipmen Name CENTRIFUGE	Run	Intake Density 8 130	Density 124	Density		5 08:00	0.257	UP B	SIT. LAY DOV	NN MOTOF	R/ PICK UP	MOTOR		ON BLIND RAMS	
Hrs Rui Cumulative H	Hrs Run		0.7 29.5	0 1×		134	4 68	5.20m 0.94m	Pump# Type 1 SINGLE	-		sure Hours Rur 1650 0	MUD M	ATERIA	0.400						OF H	IOLE						_
CUTTING		2016/02/11 RUCTU Gag	RE	60	1 HWDP Drill Pipe Drill Pipe		ands 17	83.76m 55.00m 0.00m	2 SINGLE	114	88 9	1650 8	REDUCTION	Product			ount Type											_
TO BC	3		OC NO		Kelly D			-1.57m 50.02m	Remarks:									1			+							_
LOC A BRG	х	tal Run (m/h	nr) 13.4		Weight o Weight of S	tring		0kdaN 75kdaN																			JGGER LINE HO	оок
From To 2246m 225	0 D	R-C RPN	W W W W W W W W W W W W W W W W W W W	Hole		IP 7	Down		REDUCE Pump No. Pres			⊒D Depth						FUNCT	IONED UF	VALK, PIPE RA PPER & LOWER BING VALVE	R TRAVEL	LIMITS & E- S					DAD LINE, DKE,MANUAL CH	HOKE
2240111 223	JOIN I	KILL	15 TSKUdi		e at Bottom on Bottom			0.00Nm 0.00m	ump ito.	@ @	@ @	Бориг	Boiler Boiler #	Hours F	Run 8	pH 10.5	Stack Temp	SAF	ETY	BING VALVE	Safety				l N	1EHL	MACP	
								[@	@								CK CON	NECTIONS						95.00kdaN	300	09kPa
TOUR BITS	2	SIGI	NATUR	, .	DRILLE		MBLY	,	MUD RE	CORD	F	ROB STAME	DEVIAT	ION SUF	RVEYS			TIM	E LO		T TIM	IE	08:00	E	ND TIN	IE	20:00	
	Number Size	7	15	No	Compone		ID L			Aud Type	Water × ther	0il 🗌	Time Depth 14:45 2253r	Deviation n 14.1	Direction 86.4	Ty	/ре	From 08:00	To	Elapsed Co	$\overline{}$	CTIONAL WOR				ce & Remark	S O/MWD TOOLS/ N	MAKE
		SMITH		1	MUD MOTOR IEAR BIT SL	JB 13	2 45	8.68m 1.36m		Time Density	16:30 1300		15:00 2254r 17:15 2267.1		86.4 87.4			09:30	09:45	0.25 216	B REVI	IT. LAY DOV	5 ON TRIPE	PING IN HO	DLE			_
Si	Type erial No Jets	7.9 7.9	JK754 9 7.9 7.	4 10	AP SUB JBHO SUB	119	1 68	9.35m 1.69m 0.80m	Funnel V Flu	uid Loss pH	31s/l							14:15 19:15	14:15 19:15 19:30	4.50 6A 5.00 2 0.25 20A	DRIL	IN HOLE,FI L 159mm BL CTIONAL S	JILT SECTI	ON F/2250	m TO 2276N		IM,1408M	_
Depth		7.9 7.9	_	3	ION MAG FLEX IONEL ION MAG FLE	118	69 2	9.32m	Location of		SHAKERS		SOLIDS Equipmen			Over Flow	Under Flo	19:30	19:45	0.25 7	RIG	SERVICE,FL	JNCTION U	PPER PIPE	E RAMS, 4 S	EC TO CLOS		_
Total Dri			225	6 15	SINGLES OF	134	4 72 4		CIRCULA				Name CENTRIFUGE	Run	Density	Density	Density											_
Hrs Rui Cumulative H	Hrs Run	2016/02/13	5.0	0 1	O IYD/MECH J		62	0.96m 5.20m 0.94m	Pump# Type 1SINGLE 2SINGLE	127	84 7	500 6 500 0	MUD M	ATERIA	LS ADD	ED												_
CUTTING			RE	61	Drill Pipe Drill Pipe	St	ands 17	84.25m 0.00m	ZBINGLE	114	,	300 0	REDUCTION	Product	t	Am	ount Type											
TO MDC	_	OD Reason Pulle	ed			Total		-6.19m 76.00m	Remarks:									1										_
BRG MINITER		tal Run (m/h	1r) [Weight of St Weight of St LE CON	tring		0kdaN 31kdaN												PECT FLOOR VALK, PIPE R							JGGER LINE HO	оок
From To 2250m 227	0 D	R-C RPN	W W W W W W W W W W W W W W W W W W W	Hole		Jp 8	Down		Pump No. Pres	ssure Str		∃D Depth	Boiler					FUNCT	IONED UP		R TRAVEL	LIMITS & E- S					DKE,MANUAL CH	IOKE
	\pm			Fill	on Bottom			0.00m	1 3500	@	50 @	2251	Boiler #	Hours F	Run 12	pH 10.5	Stack Temp	10	ETY	COP 2-1 AN	Safety				N	1EHL	MACP	
TOUR	2	SICI	VATUR	E OF	DRILLE	- D		Į.		@	@							HANDL	ING BRA	STAR			20:00		ND TIM	E	24:00	11kPa
BITS			MAION	DR	ILLING	ASSE			MUD RE			SH GILBER	DEVIAT					TIM	E LO	G								
	Number Size	7	15	\neg	Compone	200		.21m	N	0	Water x ther		Time Depth 21:30 2282r		Direction 86.3	Ty	/ре	20:00	23:15	Elapsed Co	DRIL	L 159mm H0	OLE FROM	2276M-229	97M.	ce & Remark		
	C Code facturer Type	SMITH R613		1	MUD MOTOR IEAR BIT SU MONEL		2 45	8.68m 1.36m 9.35m	Funnel V	Time Density /iscosity	20:00 1300 30s/l	23:00 1300 30s/						23:3		0.25 7 0.50 20A		SERVICE/FL CTIONAL S				SECONDS TO	O CLOSE	_
Si	erial No Jets		JK754 9 7.9 7.	4 10 9 1L	SAP SUB IBHO SUB	12	1 68	1.69m 0.80m		uid Loss pH	0001	000																
	Out (m)	7.9 7.9			ION MAG FLEX IONEL ION MAG FLE IONEL	X 120	72	27.92m 9.32m	Location of	Depth	2276m	SHAKERS 2289m	SOLIDS Equipmen	t Hours	Intake		Under Flo	w										
Total Dri Hrs Ru			225 4 3.2	7 15	SINGLES OF I	134 HWDP 114	72	0.94m 46.81m 0.96m	CIRCULA Pump# Type	_	56m3 SPM Pres	21m3 sure Hours Rur	Name CENTRIFUGE	Run	Density 4 1300	Density 1250	Density 16	70										_
Cumulative H	Hrs Run	2016/02/13	8.2	5 1	YD/MECH J	_	62	5.20m 0.94m	1SINGLE 2SINGLE	127	84 9	150 4	MUD M															_
TI	3 STI	Gaç	ge		Drill Pipe Drill Pipe	Sir	ands 18	0.00m					REDUCTION	Product	ł	Am	2 EAG											_
MDC LOC	_	OD Reason Pulle tal Run (m/h	ed		Kelly D Weight o	Total		17.44m 97.00m 0kdaN	Remarks:									1			+							_
BRG METRES		,			Weight of S	tring		81kdaN												PECT FLOOR VALK,PIPE R							JGGER LINE HO	оок
From To 2276m 229	_	R-C RPN	WOB 15 10kdal	N Torque	at Bottom	Jp 8			Pump No. Pres	ssure Str	okes/min	Depth Depth	Boiler					INSPE	CT STAB	PPER & LOWER			STOPS,CRO	WN SAVER	IGNITER ANI	PASON CHO	OKE,MANUAL CH	IOKE
	+	+		Fill	on Bottom			0.00m		@ @	@ @		Boiler #	Hours F	Run 4	pH 10.5	Stack Temp 3	10	ING PRE	FABS	Safety	Торіс			N	IEHL 95.00kdaN	MACP 271	11kPa
V. 1.3				_				L																				

License No	Well Name		IT PA	GE SUN	/MAR	Y)Y525	Sheet Seria 29_2016021 ce Location	14_1B	Vendo Pason	r Software Ve	ersion Loc Type	Unique We	2016		14	DAILY C 1) Daily Walk An 2) Detailed Inspects 3) H2S Signs Po	ound Inspe- ection - We	ction eekly (Using C	Check List)	OP RIDB MR	∃ <i>[</i>	CAG	DC
31527 Operator ARC RESOURCI Operator's AFE 16DRL0016 Signature of Opi	ES	Z SUNRISE L2-	25-78-18	3			Contra 77	ctor SION DRILLING ctor's Job No ure of Contract	3, DIV OF F			Rig I 529	BC I	Well Type HORIZ Spud Date 2016/02/07 0	Time 04:00	-078-17W6/0		Entry 8	b) Well Licence is Flare Lines SI is BOP Drills Per it Visually Inspect I) Rig Site Healt I) CAODC Rig Si II) Mast Inspecti	aked rformed ted BOPs - h & Safety afety Insper on before F	Flare Lines & Meeting (one ction Checkli	Degasser Lines e/crew/month) ist (one/rig/mo	DB MR DB MR IDB MR	P	asc	
Maddison Mike			4	5	6	7	MARC	RAYMOND	10	11	12	13 1		2016/02/21		18	19	20) Crown Saver 5) Motor Kills Ch 21		23	24	MR 25		Pas Kelly Bushing 5.90	Op Fuel 2325.00
Tour 1 Tour 2	p Actu		Coring	Cond Mud & Circ	irips	_	Rep ce R 0.25		Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement BO	le Up Test OP BOP	Drillster Test	n Plug Back	Squeeze Cement	Fishing	Dir Work 0.7	75 0.25	Tear Down	Waiting On	Rig Watch	Other	8.00 12.00	Time Current Cone CLEAR	00.00 HOURS 00.00 Temp 0.00 100.00 -1.00
Tour 3 Total	_	3.50 0.00		1.00	o o	_).25).75											0.2 1.3	-					4.00 24.00	Wind Direction N Road Condition FAIR	on Wind Strength CALM on
TOUR 1	l s	IGNATUR	_							JOS	SH GILBERT									T TIM	/IE	00:00	E	END TIM	E	08:00
BITS Bit Nur			No	Compone	ent OE) ID I	Length	MUD RE	Mud Type	Water ×	Oil	Time Depth 00:002296.44n			Ту	rpe .	From		Elapsed Co	_					e & Remarks	
IADC (Size Code turer SMITH	15	1	BIT MUD MOTOR NEAR BIT SI	-	9 69	0.21m 8.68m 1.36m		Time Density	02:00	05:00	03:15 2311n 05:45 2325.69n	27.4	88.4 88.3			00:00	06:45 07:30 07:45	6.752 0.7520/ 0.257	DIRE	CTIONAL	SURVEYS/C	CONNECTION	2297M-2336 ONS 22 SECOND		
Seria		JK754	14 1	NON MAG FLI MONEL GAP SUB	EX 11	9 69	9.35m 1.69m	Funnel \	uid Loss	30s/l	30s/						07:45	08:00	0.2521	$\overline{}$		ING/CREW				
Depth Ou	Jets 7.9 7.9		3	UBHO SUB NON MAG FLE: MONEL NON MAG FLE MONEL		8 69	0.80m 27.92m 9.32m	Location of	pH sample :	SHAKERS 2307m	SHAKERS 2320m	SOLIDS			Over Flow	Under Flow										
Depth Ir Total Drilled	n (m)	225	50 1	MONEL X/O 5 SINGLES OF HWDP	13	4 61	0.94m 46.81m	CIRCULA	PVT	31m3	30m3	Equipment Name CENTRIFUGE	Hours Run	Intake Density 1300	Density 1250	Density										
Hrs Run To Cumulative Hrs	Run	6.7 15.0	00 1	XO HYD/MECH .	-	6 62	0.96m 5.20m	Pump# Type 1 SINGL	E 127	84 9	ssure Hours Rur 9150 6	MUD MA	TEDIAL	SADD	ED.											
CUTTING :	Date 2016/0		63	Drill Pipe Drill Pipe	S	tands 18	0.94m 842.75m 0.00m	2SINGLI	E 114	0 9	9150 0	NEWSTABIL	Product	.S ADD		ount Type 1 EAC										
TO MDC	Reason	ODC]	Kelly D			-4.69m 336.00m	Remarks:				REDUCTION NEWFLOC				2 EAC 1 EAC										
BRG METRES	Total Run			Weight of S	String		0kdaN 82kdaN																			GGER LINE HOOK
From To 2297m 2336r	D-R-C	RPM WOB	Но	le Drag	Up 8	Down	10 00.00Nm	REDUCE Pump No. Pre			Depth	Ballan					FUNCTI	ONED UF		R TRAVEL	LIMITS & E				PASON CHOP	KE,MANUAL CHOKE
			- II .	on Bottom			0.00m	1 300	@	50 @	2309	Boiler Boiler #	Hours R	un 8	pH 10.5	Stack Temp 31	0	ETY		Safety	Topic			N	EHL	MACP
TOUR 2		IGNATUR	E OF	DRILLE	=D				@	@							DERRIC	CK CON	ECTIONS	T TIM	1E	08:00		ND TIM	95.00kdaN	2711kPa
BITS	2 3	IGNATOR	_	RILLING		MBL	Y	MUD RE			ROB STAMF	DEVIATI					TIM	E LO		11 1110	11=	08:00		:ND IIW		20:00
Bit Nur	Size	15	\dashv	Compone	20		0.21m			Water		Time Depth 09:30 2340n 12:45 2354.94n	Deviation 34	Direction 86.9 86.4	Ту	rpe	From 08:00	09:00	Elapsed Co	CON		JD & CIRCU	LATE/ DISF	PLACE WELL		20 KG INVERT
Manufac	turer SMITH Type R613	1		MUD MOTOR NEAR BIT SU NON MAG FLE MONE!	JB 11	9 69	8.68m 1.36m 9.35m	Funnel \	Density	10:00 1300 68s/l	15:00 1290 68s/	15:45 2370n 18:15 2384.19n	41.6	87.8 86.6			18:45 19:00	18:45 19:00	9.75 2 0.25 7 0.75 20/	RIG:	SERVICE F		JPPER PIP		CONDS TO	CLOSE
Seria	Jets 7.9		.9 1	GAP SUB UBHO SUB	12	0 72	1.69m 0.80m		uid Loss pH								19:45	20:00	0.25 21		ETY MEETI	ING/CREW	CHANGE H	IAND OVER		
Depth Ou Depth Ir		7.9		NON MAG FLE: MONEL NON MAG FLI MONEL X/O		0 72	9.32m 0.94m	Location of	Depth PVT	SHAKERS	SHAKERS	SOLIDS Equipment Name		Intake Density	Over Flow Density	Under Flow Density	,									
Total Drilled Hrs Run T	d (m)	9.7	13 1	5 SINGLES OF HWDP XO	11	4 72		CIRCULA Pump# Type		SPM Pres	ssure Hours Rur															
Cumulative Hrs Entry CUTTING	Date 2016/0		1	HYD/MECH J XO Drill Pipe	13	68	5.20m 0.94m 901.25m	1SINGLI 2SINGLI			5000 12 5000 0	MUD MA	TERIAL	S ADD		ount Type										
TI		Gage ODC		Drill Pipe Kelly D	Si	ngles	0.00m -6.19m	Remarks:				BARITE OPTI-MUL OPTI-PLUS				84 EAC 1 EAC 2 EAC	н									
MDC LOC	Reason Total Run		1	Weight o			93.00m 0kdaN					OPTI-WET NEWVEX GRAPHITE				1 EAC 5 EAC	H									
BRG METRES From To		RPM WOB		Weight of S LE CO le Drag		ON	79kdaN	REDUCE	D PUN	MP SPE	ED	GRAPHITE				5 EAC	INSPEC	CT CATV	VALK,PIPE R	ACKS,PIF	PE RACK P	INS/CHAINS	S,FLARE AI	ND DEGASS	ER LINES,LO	GGER LINE HOOK AD LINE, KE,MANUAL CHOKE
2336m 2393r		15 12kda	Torqu	e at Bottom on Bottom			0.00Nm 0.00m	Pump No. Pre 1 540		50 @	Depth 2368	Boiler Boiler#	Hours R	un	pH	Stack Temp		CT STAB	BING VALVE							
			_						@	@		39	16	12	5	31	0 DISPLA	CING H	OLE WITH IN	Safety VERT	Topic			N	92.00kdaN	MACP 2860kPa
TOUR 3	3 s	IGNATUR								JOS	SH GILBER						1		STAR	T TIN	/IE	20:00	E	END TIM	E	24:00
BITS Bit Nur	nber 7 Size	15	No	Compone BIT) ID I		MUD RE	Mud Type	Water	0il x	Time Depth 21:15 2399n			Ту	ре	From 20:00	To 23:30	Elapsed Co	_	1 150mm h	Details o			e & Remarks	
IADC (1	MUD MOTOR	R 11	9 69	8.68m 1.36m		Time Density	20:00	23:00						23:30	23:45	0.25 7	RIG	SERVICE/F		OWER PIP	E RAMS/ 4 S	ECONDS TO	CLOSE
Seria		JK754	14 1	NON MAG FLE: MONEL GAP SUB	12	1 68	9.35m 1.69m	Funnel \	uid Loss	65s/l	63s/															
Depth Ou	Jets 7.9 7.9	7.9 7.9 7 7.9	3	UBHO SUB NON MAG FLEX MONEL NON MAG FLE	1	$\overline{}$	0.80m 27.92m 9.32m	Location of	pH Sample : Depth	SHAKERS 2393m	SHAKERS 2410m	SOLIDS		OL Intake	Over Flow	Under Flow										
Depth Ir Total Drilled	n (m)	225 16	36 1	MONEL X/O 5 SINGLES OF	13 HWDP 11		0.94m 46.81m	CIRCULA	PVT	49m3	54m3	Equipment Name CENTRIFUGE	Run 1.5	Density	Density 1230	Density										
Hrs Run T Cumulative Hrs		28.2	25 1	XO HYD/MECH . XO		6 62	0.96m 5.20m	Pump# Type 1SINGLI	_	100 11	SSURE Hours Rur	MUD MA	TERIAL	S ADD	FD											
CUTTING:			66	Drill Pipe Drill Pipe	S	tands 1:	0.94m 930.50m 0.00m	2SINGLI	E 114	0 11	1500 0	BARITE	Product			ount Type 42 EAC										
TO MDC	Reason		ſ	Kelly E	Total		-12.44m 416.00m	Remarks:				OPTI-MUL				10 EAC 1 EAC 1 EAC	H H									
BRG METRES	Total Run	. ,	HC	Weight of S	String	DN	0kdaN 79kdaN					GRAPHITE NEWVEX CYBER SEAL				10 EAC 5 EAC 3 EAC	H Remar		-	_					AD,ST-80,TU	GGER LINE HOOK AD LINE,
From To 2393m 2416r	D-R-C	RPM WOB 20 12kda	Ho		Uр <u>8</u>	Down	12 00.00Nm		essure Str	okes/min	Depth	Boiler					FUNCTI	ONED UP		R TRAVEL	LIMITS & E					KE,MANUAL CHOKE
			Fill	on Bottom			0.00m	1 540	0 @ @	50 @ @ @	2379	Boiler #	Hours R	un 4	pH 10.5	Stack Temp 31			NECTIONS	Safety	Topic			N	EHL 95.00kdaN	MACP 3109kPa
V. 1.3	-		_										-				PERKI	UUN	CHOHOL						oonudiv	3109KP2

FRON	IT PAGE SUMMARY	Tour Sheet Serial Numbe py52529_20160215_1B Surface Location		Month Day DAILY CHECKS 15 1 Daily Walk Around Inspection 2) Detailed Inspection - Weekly (Using Check List) 3) HZS Signs Posted if Required	OP RM DB MR DB MR CAGDC
31527 ARCRES HZ SUNRISE L2- Operator ARC RESOURCES Operator's AFE 16DRL0016 Signature of Operator Representative	25-78-18	02-25-078-18W6 Contractor PRECISION DRILLING, DIV OF PDCLP Contractor's Job No 77 Signature of Contractor's Rig Manager	BC DLS 103/08-19-078-17/W6/00 Rig No	Re-Entry 5) Flare Lines Staked 6) BOP Drills Performed 7) Visually Inspected BOPs - Flare Lines & Degasser Line 1) Rig Site Health & Safety Meeting (one/crew/month) 2) CAODC Rig Safety Inspection Checklist (one/rig/m 3) Mast Inspection before Raisino or Lowering	DB MR DB MR DB MR DB MR
Maddison Mike	4 5 6 7	MARC RAYMOND 8 9 10 11 12	2016/02/21 23:59	4) Crown Saver Checked 5) Motor Kills Checked	MR Pason Kelly Bushing Op Fuel 5.90 3250.00
Rig Drill Reaming Tour 1 7.00 Tour 2 6.75	Coring Cond Mud & Circ Trips Rig Servic 0.50 2.25 0.	Repair Cut Off Dev Wireline Run C ce Rig Drilg Line Survey Logs & Cem	Csg Wait On Nipple Up Test Drillstem Plug Squeeze	Dir Safety Tear Waiting Rig	Other TOTAL
Total 13.75	2.25 0. 0.50 4.50 0.	.25 .75		1.50 3.50 1.00	4.00 24.00 24.00 4.00 CALM Read Condition
TOUR 1 SIGNATUR	E OF DRILLER	JOSH GILB	ERT	START TIME 00:0	08:00
BITS Bit Number 7	No Component OD ID L	ength Mud Type Water Oil x			of Operations in Sequence & Remarks
Size 1: IADC Code Manufacturer SMITH	59 1 BIT 200 0 1 MUD MOTOR 119 69 1 NEAR BIT SUB 119 69		02:00 2428m 53.9 88.6 04:00244269m 58.3 88.3 06:002457.3m 61.5 89.9	00:00 07:00 7:00 DRILL 159mm BUILD FRO 07:00 07:15 0.25 20A DIRECTIONAL SURVEYS/ 07:15 07:30 0.257 RIG SERVICE/FUNCTION	
Type R613 Serial No JK75	1 NON MAG FLEX 119 69	n	63s/l	07:30 07:45 0.2521 SAFETY MEETING/PLAN	
Jets 7.9 7.9 7.9 7.9 7.9 7.9 7.9 7.9 7.9 7.9	3 NON MAG FLEX 118 69	0.80m PH 27.92m Location of Sample SHAKERS SHAKE		4	DOKPA,PRESSURE LOSS:10,500KPA,TIME TO PRECHARGE:7000 KPA,N2 BOTTLES X4:2100PSI
Depth Out (m) Depth In (m) 22 Total Drilled (m) 2		20.00	Equipment Hours Intake Over Flow Under Flow Density Density Density		
Hrs Run Today 7. Cumulative Hrs Run 35.	00 1XO 134 75	0.96m Pump# Type Liner Size SPM Pressure Hour 5.20m 1 SINGLE 127 106 14500	8		
Entry Date 2016/02/13		0.94m 2SINGLE 114 0 14500	MUD MATERIALS ADDED		
TI	Kelly Down -	0.00m	CLAYTONE 2 10 EACH CALCIUM NITRATE 4 EACH		
LOC Total Run (m/hr)	Weight of DC	0kdaN 81kdaN		Remarks: INSPECT FLOOR EQUIPMENT, TONG, BACK UP SI	LINGS,DEAD MAN,CAT HEAD,ST-80,TUGGER LINE HOOK
METRES DRILLED From To D-R-C RPM WOB	HOLE CONDITION Hole Drag Up 5 Down			INSPECT CATWALK, PIPE RACKS, PIPE RACK PINS/CHAIN FUNCTIONED UPPER & LOWER TRAVEL LIMITS & E- STOPS, CR	
2416m 2469m DRILL 20 10kda	Torquo at Dottom	0.00rem	Boiler Boiler # Hours Run pH Stack Temp 396 8 10.5 310	INSPECT STABBING VALVE/INSIDE BOP SAFETY Safety Topic	MEHL MACP
	<u> </u>	@ @		DERRICK CONNECTIONS	95.00kdaN 3109kPa
TOUR 2 SIGNATUR	DRILLING ASSEMBLY	ROB ST.	DEVIATION SURVEYS	START TIME 08:0	END TIME 20:00
Bit Number 7	No Component OD ID L			From To Elapsed Code Details	of Operations in Sequence & Remarks TION FROM 2469M TO 2531M
IADC Code SMITH	1NEAR BIT SUB 119 69	1.36m Density 1260	12:00 11:00 2486.8m 69.2 90.1 1270 12:30 2501.19m 72.2 89.5 14:45 2516m 75.2 88.8		UPPER PIPE RAMS 4 SECONDS TO CLOSE
Type R613 Serial No	144 1GAP SUB 121 68	9.35m Funnel Viscosity 60s/l 1.69m Fluid Loss 0.80m pH	60s/ 75.2 50.0		P ING OUT OF HOLE REVIEW COP 2-4 I1m TO 1259m,10 MIN FC'S @2515m,2398m
7.9 7.9 Depth Out (m) 25	3NON MAG FLEX 118 69 2 MONEI 1NON MAG FLEX 120 72	27.92m Location of Sample SHAKERS SHAKE 9.32m Depth	ERS SOLIDS CONTROL Equipment Hours Intake Over Flow Under Flow		ND PLAN FORWARD MEETING
Depth In (m) 22 Total Drilled (m) 2 Hrs Run Today 6.	15 SINGLES OF 114 72 4	0.94m PVT 46.81m CIRCULATION	Name Run Density Density Density CENTRIFUGE 2 1270 1200 1680		
Hrs Run Today 6. Cumulative Hrs Run 42. Entry Date 2016/02/13	00 1HYD/MECH JARS 136 62	0.96m Pump# Type Liner Size SPM Pressure Hour 5.20m 1 SINGLE 127 106 15300 0.94m 2 SINGLE 114 0 15300	10 MUD MATERIALS ADDED		
CUTTING STRUCTURE TI 2 Gage		47.50m 0.00m	Product Amount Type BARITE 138 EACH CLAYTONE 2 14 EACH		
T0 3 0DC BC MDC CD Reason Pulled BHA LOC S Total Run (m/hr) 6.	Total 253	14.44m Remarks: 31.00m OkdaN	GRAPHITE		
BRG X METRES DRILLED	- ·	81kdaN	NEW WASH 2 EACH		
From To D-R-C RPM WOB 2469m 2531m DRILL 20 12kda	Torquo at Dottom	0.00Nm Pump No. Pressure Strokes/min Deptt		FUNCTIONED UPPER & LOWER TRAVEL LIMITS & E- STOPS, CR INSPECT STABBING VALVE/INSIDE BOP SAFETY	OWN SAVER,IGNITER AND PASON CHOKE,MANUAL CHOKE
	Fill on Bottom	0.00m	2486 Boiler # Hours Run pH Stack Temp 396 12 10.5 310	Safety Topic DERRICK CONNECTIONS JSA 2-F	MEHL MACP 94.00kdaN 2910kPa
TOUR 3 SIGNATUR	E OF DRILLER	JOSH GILE	BERT 1	START TIME 20:0	00 END TIME 24:00
BITS Bit Number 8	DRILLING ASSEMBLY No Component OD ID L		DEVIATION SURVEYS Time Depth Deviation Direction Type	TIME LOG From To Elapsed Code Details	of Operations in Sequence & Remarks
Size 1:		0.21m Other 8.68m Time 20:00			59m TO 100m,10 MIN FC'S @1259m,559m,0m,TRIP
Manufacturer REED Type SK413M-B1G PDC	1NEAR BIT SUB 119 69 1NON MAG FLEX 119 69	1.36m Density 1260 9.35m Funnel Viscosity 60s/l		CLOSE	OWER PIPE RAMS,4 SEC TO CLOSE,BLIND RAMS 3 SEC TO
Serial No A2108 Jets 8.7 8.7 8.7 8.1 11.1 11.1	1.7 1UBHO SUB 120 72	1.69m Fluid Loss	SOLIDS CONTROL	22:30 24:00 1.50 20D REVIEW COP 2-1 AND HAND	DLE DIR.TOOLS,LAY OUT PULSE TOOL,MONELS,MOTOR,BIT
Depth Out (m) Depth In (m) 25	1NON MAG FLEX 120 72	9.32m Depth 2531m 0.94m PVT 56m3	Equipment Hours Intake Over Flow Under Flow Name Run Density Density Density		
Total Drilled (m) Hrs Run Today O. Cumulative Hrs Run	00 1XO 134 75	46.81m CIRCULATION 0.96m Pump# Type Liner Size SPM Pressure Hour	rs Run		
Cumulative Hrs Run 0. Entry Date 2016/02/15 CUTTING STRUCTURE	00 1HYD/MECH JARS 136 62 1XO 134 68 70 Drill Pipe Stands 20	5.20m	MUD MATERIALS ADDED Product Amount Type		
TI Gage ODC	d Drill Pipe Singles Kelly Down	0.00m			
MDC Reason Pulled LOC Total Run (m/hr) BRG	Weight of DC	031.00m 0kdaN 81kdaN		Remarks: INSPECT FLOOR EQUIPMENT, TONG, BACK UP SI	LINGS DEAD MAN CAT HEAD ST. ON THOSE DURING MOON
MISTRIES DRILLED From To D-R-C RPM WOB	HOLE CONDITION	REDUCED PUMP SPEED		Hemarks: INSPECT FLOOR EQUIPMENT, TONG, BACK UP SI INSPECT CATWALK, PIPE RACKS, PIPE RACK PINS/CHAIN FUNCTIONED UPPER & LOWER TRAVEL LIMITS & E- STOPS, CR	IS,FLARE AND DEGASSER LINES,LOAD LINE,
	Torque at Bottom Fill on Bottom	Pump No. Pressure Strokes/min Deptt	Boiler	INSPECT STABBING VALVE/INSIDE BOP SAFETY	
V.1.3			396 4 10.5 310	Safety Topic TRIPPING COP 2-4,HANDLING BHA COP 2-1	MEHL MACP 90.00kdaN 2910kPa

FRONT PAGE SUMMARY	Tour Sheet Serial Number 0Y52529_20160216_1B Surface Location	Vendor Software Ver Pason Prov L	rsion	2 16 1) Daily Walk Around	I Inspection on - Weekly (Using Check List) DB MR	CAODC
31527 ARCRES HZ SUNRISE L2-25-78-18 Degrator RC RESOURCES	02-25-078-18W6 Contractor PRECISION DRILLING, DIV OF PDCLP	Rig No V	DLS 103/08-19-078-17W6/00 Well Type HORIZ	4) Well Licence & Sti 5) Flare Lines Staker 6) BOP Drills Perforn	ick Diagram Posted DB MR DB MR	
Operator's AFE 6DRL0016	Contractor's Job No 77 Signature of Contractor's Rig Manager	2	Spud Date Time 1016/02/07 04:00 Rig Release Date Time	1) Rig Site Health & 2) CAODC Rig Safety	Safety Meeting (one/crew/month) r Inspection Checklist (one/rig/month) efore Raising or Lowering	pason
Signature of Operator Representative Pean Boehnert	MARC RAYMOND 8 9 10 11 12		2016/02/21 23:59	4) Crown Saver Cher 5) Motor Kills Check	cked MR	Pason Kelly Bushing
Rig Drill Up Actual Reaming Coring Cond Mud Trips Rig Service	Repair Cut Off Dev Wireline Run Csg Rig Drilg Line Survey Logs & Cement	Wait On Nipple Up Test	Drilletom Plug Squeeze	shing Dir Safety Safety Work Meeting D	Tear Waiting Rig Down On Watch Other	FUEL @ 08:00 HOURS Rig 22250,00 Boiler 0.00
7 Tour 1 5.00 1.00 0.2 1.00 0.				1.25 0.50 3.75 0.25 1.25	0.50	8.00
Total 9.25 1.00 5.00 0.5	0 0.75			6.25 0.75	0.50	24.00 Road Condition
TOUR 1 SIGNATURE OF DRILLER DRILLING ASSEMBLY	JOSH GILBER	DEVIATION SUR	VEYS	START TIME LOG	TIME 00:00 EN	ID TIME 08:00
Bit Number 8	0.22m Other	Time Depth Deviation [Direction Type	From To Elapsed Code 00:00 01:15 1.25 20		in Sequence & Remarks TOOLS/REAMER/MAKE UP BIT/SCRIBE MOTOR
Manufacturer REED 1 NON MAG FLEX 119 69	9.18m Time 01:00 9.35m Density 1260 1.71m Funnel Viscosity 62s/l			01:15 02:30 1.25 6A	596M.	M . FILL PIPE AND FLOWCHECK / 10 MIN/
Serial No A210816 2 NON MAG FLEX 118 69 1	8.57m Fluid Loss 0.94m PH			02:30 02:45 0.2521 02:45 03:30 0.759A	SAFETY MEETING PRIOR TO SLIP CUT SLIP CUTR LINE/ FULL BLOCK CALIBRATION SAVER/JG	/ COP 6-4A // BRAKE CAPACITY TEST, FUNCTION CROWN
Depth Out (m) 1X/O 134 75	9.36m	SOLIDS CONTRO	Intake Over Flow Under Flow	03:30 03:45 0.2525 03:45 04:00 0.2525	RIG SERVICE,FUNCTION ANNULAR 23 SAFETY MEETING/ PRIOR TO CHANGE	SAVER SUB/
Total Drilled (m) 1 X/O 134 68	1.41m	Name Run	Density Density Density	04:00 07:45 3.756A 07:45 08:00 0.2521	REVIEW COP 2-5 AND TRIP IN HOLE, FIL FILL PIPE @ 1769M SAFETY MEETING/FLAN FORWARD ME	L PIPE FLOWCHECK FOR 10 MIN @ 1241M.
Cumulative Hrs Run 0.00 1xO 134 75 Entry Date 2016/02/15 1 HYD/MECH JARS 136 62	0.96m 1 combined 114 0 0 0 5.20m 2 combined 114 0 0 0	MUD MATERIAL		0.110 0.00 0.12021	O II ETT III EE TII ON DII IT ON WIND III.	
TI Gage 0 Drill Pipe Singles	0.00m 0.00m	Product	Amount Type			
MDC Reason Pulled Total 253	0.17m Remarks: 1.00m Remarks:					
BRG Weight of String 7 METRES DRILLED HOLE CONDITION	3kdaN		1 1 1	INSPECT CATWALK,PIPE RACK	(S,PIPE RACK PINS/CHAINS,FLARE AND	
From To D-R-C RPM WOB Hole Drag Up	Pump No. Pressure Strokes/min Depth	Boiler		FUNCTIONED UPPER & LOWER TR INSPECT STABBING VALVE/INS SAFETY		INITER AND PASON CHOKE, MANUAL CHOKE
Fill on Bottom	@ @	Boiler # Hours Ru 396	8 11 Stack fellip		Safety Topic ND CUT 6-4A	MEHL MACP 90.00kdaN
TOUR 2 SIGNATURE OF DRILLER	ROB STAMF			START	TIME 08:00 EN	ID TIME 20:00
BITS DRILLING ASSEMBLY Bit Number 8 No Component OD ID Le	ngth MUD RECORD Mud Type Water 0 0il x	DEVIATION SURY		TIME LOG From To Elapsed Code	Details of Operations	in Sequence & Remarks
IADC Code 1MUD MOTOR 128 0	0.22m Other	09:45 2540.8m 80.1 10:15 2554.61m 81.2 11:15 2570m 85.5	92 95 95.3	08:00 09:00 1.00 5 09:00 09:15 0.25 7	CIRCULATE BOTTOMS UP ,GAS PEAKE RIG SERVICE/FUNCTION UPPER PIPE	RAMS 4 SECONDS TO CLOSE
Type SK413M-B1G PDC 1GAP SUB 121 68	Density 1260 1270 1.71m Funnel Viscosity 63s/l 62s/ 5.57m Fluid Loss	11:30 2582.69m 88.6 12:15 2597m 90	96 96.2	09:15 16:00 6.752 16:00 19:45 3.7520A	DRILL 159MM BUILD SECTION FROM 2531 FROM 2582M -2801M. DIRECTIONAL SURVEYS/CONNECTION	M - 2582m (HEEL) DRILL LATERAL SECTION
Jets 8.7 8.7 8.7 1X/O 134 61	0.94m pH SHAKERS SHAKERS	12:45 2611.94m 90.7 13:15 2627m 90.7 SOLIDS CONTRO	98.4 101.1 DL	19:45 20:00 0.25 21	SAFETY MEETING/CREW CHANGE HAI	
Depth In (m) 2531 1SLIDE REAMER 150 63	0.96m Depth PVT	Equipment Hours Name Run	Intake Density Density Under Flow Density Density Density 1270 1190 1670			
Hrs Run Today 6.75 15 JTS OF D.P 114 74 4	0.94m CIRCULATION					
Entry Date 2016/02/15 1HYD/MECH JARS 136 62 CUTTING STRUCTURE 7 Drill Pipe Stands 20	5.20m 2COMBIN- 114 72 16500 12 1.75m	MUD MATERIAL: Product BARITE	Amount Type			
TO ODC Kelly Down	0.00m Remarks:	LIME GRAPHITE OPTI-WET	10 EACH 5 EACH 2 EACH			
LOC Total Run (m/hr) Weight of DC BRG Weight of String 8	okdaN OkdaN	STITULE 1	2 2011	Remarks: INSPECT FLOOR EQ	UIPMENT,TONG,BACK UP SLINGS,DEAD IN	IAN,CAT HEAD,ST-80,TUGGER LINE HOOK
METRES DRILLED						DEGASSER LINES,LOAD LINE, INITER AND PASON CHOKE,MANUAL CHOKE
To que de Sottom	0.00m 1 6100 @ 72 @ 2553 2 6100 @ 72 @ 2567	- Boller# Hours Ru	12 11 STACK IEMP 12 11 290	SAFETY S	Safety Topic	MEHL MACP
TOUR O CHANTURE OF PRILLER				TRIPPING IN HOLE COP 2-5		93.00kdaN 2611kPa
TOUR 3 SIGNATURE OF DRILLER BITS DRILLING ASSEMBLY	JOSH GILBER	DEVIATION SUR		START TIME LOG		24:00
	0.22m Other	Time Depth Deviation [20:00 2802m 90.6 20:30 2816.69m 90.4	Direction Type 119.2 120.7	Prom To Elapsed Code 20:00 22:30 2.50 2	DRILL 159mm LATERAL SECTION FROM	
Manufacturer REED	9.18m Ilme 20:00 23:00	21:00 2831m 90 21:45 2845.94m 90.1	122.3 124.6	22:30 23:45 1.25 20A 23:45 24:00 0.25 7	DIRECTIONAL SURVEYS/ CONNECTION RIG SERVICE/FUNCTION LOWER PIPE	
Jets 8.7 8.7 8.7 1X/O 134 61	8.57m Fluid Loss 0.94m pH	22:15 2861m 90.9 22:30 2875.19m 90 23:15 2890m 89	126.1 125.7 126			
Depth Out (m) 1X/O 134 75	9.36m Location of Sample SHAKERS SHAKERS 0.96m Depth 2802m 2881m 1.41m PVT 34m3 35m3	SOLIDS CONTRO Equipment Hours Name Run	Intake Over Flow Under Flow Density Density Density			
Total Drilled (m) 387 1X/O 134 68 Hrs Run Today 2.50 15 JTS OF D.P 114 74 4	0.94m CIRCULATION 8.75m Pump# Type Liner Size SPM Pressure Hours Run	CENTRIFUGE 1.5	1380 1340 1700			
Entry Date 2016/02/15 1HYD/MECH JARS 136 62	0.96m	MUD MATERIAL	S ADDED Amount Type			
TI Gage d Drill Pipe Singles	1.75m 0.00m 0.44m Remarks:	LIME GRAPHITE OPTI-WET	15 EACH 5 EACH 1 EACH			
MDC Reason Pulled Total 29* LOC Total Run (m/hr) Weight of DC	8.00m OkdaN	BARITE CLAYTONE 2	42 EACH 2 EACH	Damada, MODEOT T. 222	HIDMENT TONG PAGE UP 2 2 2 2 2 2	ANICAT HEAD ST SO THOOFT HEAD
	15 REDUCED PUMP SPEED			INSPECT CATWALK, PIPE RACH	KS,PIPE RACK PINS/CHAINS,FLARE AND	AN,CAT HEAD,ST-80,TUGGER LINE HOOK DEGASSER LINES,LOAD LINE, SNITER AND PASON CHOKE,MANUAL CHOKE
2801m 2918m DRILL 50 12kdaN Torque at Bottom 6500	Pump No. Pressure Strokes/min Depth	Boiler Boiler # Hours Ru	ın pH Stack Temp	INSPECT STABBING VALVE/INS SAFETY	SIDE BOP	
		396	4 11 320	DERRICK CONNECTIONS	Safety Topic	MEHL MACP 95.00kdaN 2416kPa

FRONT PAGE SUMMARY License No Well Name	Tour Sheet Serial Number 0Y52529_20160217_1B Surface Location	Vendor Software Version Year Pason Prov Loc Type Unique Well Id	Month Day DAILY CHECKS 1) Daily Walk Around Inspection 2) Detailed Inspection - Weekly (Using Check List) 3) RZS Slages Nested if Required
31527 ARCRES HZ SUNRISE L2-25-78-18 Operator ARC RESOURCES	02-25-078-18W6 Contractor PRECISION DRILLING, DIV OF PDCLP	BC DLS 103/08-19-078-17W6/0 Rig No Well Type 529 HORIZ	
Operator's AFE 16DRL0016 Signature of Operator Representative	Contractor's Job No 77 Signature of Contractor's Rig Manager	Spud Date Time 2016/02/07 04:00 Rig Release Date Time	1) Rig Site Health & Safety Meeting (one/crew/month) 2) CA000 Rig Safety Inspection Checklist (one/rig/month) 3) Mast Inspection Defore Raising or Lowering
Dean Boehnert CODE 1 2 3 4 5 6 7	MARC RAYMOND 8 9 10 11 12	2016/02/21 23:59 13 14 15 16 17 18	4) Crown Saver Checked MR Pason 5) Motor Kills Checked 19 20 21 22 23 24 25 25 25 0.00
Rig Drill Reaming Coring Cond Mud Trips Rig Servic		Wait On Nipple Up Test Drillstem Plug Squeeze BOP Test Back Cement	Fishing Dir Safety Tear Waiting Rig Other TOTAL
Tour 2 7.50 0. Tour 3 1.50 0.	25 1.50 1.50		4.00 0.25 12.00
TOUR 1 SIGNATURE OF DRILLER	75 1.50 JOSH GILBER		7.50 0.50 24.00 START TIME 00.00 END TIME 08.00
BITS DRILLING ASSEMBLY		DEVIATION SURVEYS	TIME LOG
Bit Number 8	Mud Type Water Oil x	00:15 2919m 88.5 125.7 00:452933.69m 88.2 126.3	From To Elapsed Code Details of Operations in Sequence & Remarks
Manufacturer REED	9.35m Density 1260 1380 1.71m Funnel Viscosity 60s/l 60s/l	01:15 2948m 88.2 124.8 01:45 2962.94m 88.2 123.8 02:15 2977m 88.2 124.1	07:30 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR/ 22 SECONDS TO CLOSE 07:45 08:00 0.2521 SAFETY MEETING/ CREW CHANGE MEETING
Serial No	18.57m	02:45 2992.19m 90.2 123.8 03:15 3007m 89.9 123	
Depth Out (m) 1 V/O 134 75 Depth In (m) 2531 1 SLIDE REAMER 150 63	0.96m Depth 2974m 3032n 1.41m PVT 54.5m3 53m3	Equipment Hours Intake Over Flow Under Flow Name Run Density Density Density	
Total Drilled (m) 621 1 V/O 134 68 1 1 1 1 1 1 1 1 1	0.94m CIRCULATION 18.75m Pump# Type Liner Size SPM Pressure Hours Ru 0.96m 1 COMBINED 114 78 22500 7	CENTRIFUGE 2 1390 1350 170	
Entry Date 2016/02/15 1 HYD/MECH JARS 136 62 CUTTING STRUCTURE 19 Drill Pipe Stands 5	5.20m 2 COMBINED 114 78 22500 7	MUD MATERIALS ADDED Product Amount Type BARITE 126 EAC	
	0.00m	CLAYTONE 2 2 EAC	
LOC Total Run (m/hr) Weight of DC Weight of String	OkdaN GkdaN		Remarks: INSPECT FLOOR EQUIPMENT, TONG, BACK UP SLINGS, DEAD MAN, CAT HEAD, ST-80, TUGGER LINE HOOK
METRES DRILLED	REDUCED PUMP SPEED 1.0.00Nm Pump No. Pressure Strokes/min Depth		INSPECT CATWALK PIPE RACKS, PIPE RACK PINS/CHAINS, FLARE AND DEGASSER LINES, LOAD LINE, FUNCTIONED UPPER & LOWER TRAVEL LIMITS & F. STOPS, CROWN SAVER, IGNITER AND PASON CHOKE, MANUAL CHOKE INSPECT STABBING VALVE/INSIDE BOP
2918m 3152m DRILL 50 12kdaN Torque at Bottom 6500 Fill on Bottom	0.00m 1 7500 @ 77 @ 3063 @ @		SAFETY Safety Topic MEHL MACP
TOUR 2 SIGNATURE OF DRILLER			DERRICK CONNECTIONS 100.00kdaN 2413kPa START TIME 08:00 END TIME 20:00
BITS DRILLING ASSEMBLY	ROB STAMI	DEVIATION SURVEYS	TIME LOG
Size 159 1BIT 200 0	Mud Type Water Oil X	Time Depth Deviation Direction Type	From To Elapsed Code Details of Operations in Sequence & Remarks Details of Operations in Sequence & Remarks Remarks Details of Operations in Sequence & Remarks Remarks PIPE
Manufacturer REED	9.35m Density 1390 137 1.71m Funnel Viscosity 62s/l 62s	09:15 3182m 90 120.1 09:45 3196.94m 90.6 119.6 10:30 3212m 90.6 120.2	08:15 15:45 7:50 DRILL 159MM HOLE FROM 3152M TO 3461M. 15:45 19:45 4.00 20A DIRECTIONAL SURVEYS/CONNECTIONS
Jets 8.7 8.7 8.7 1X/O 134 61	8.57m Fluid Loss 0.94m pH 9.36m Location of Sample SHAKERS SHAKERS SHAKERS	11:00 3226.19m 90.8 120 11:30 3241m 91.2 119.6 SOLIDS CONTROL	19:45 20:00 0:25:21 SAFETY MEETING/CREW CHANGE HAND OVER/ PLAN FORWARD MEETING
Depth Out (m) 1x/O 134 75 Depth In (m) 2531 1SLIDE REAMER 150 63	0.96m Depth 1.41m PVT	Equipment Hours Intake Over Flow Under Flow Name Run Density Density Density	
Hrs Run Today 7.50 15 JTS OF D.P 114 74 4	0.94m CIRCULATION 8.75m Pump# Type Liner Size SPM Pressure Hours Ru 0.96m 1COMBIN- 114 77 22300 12	CENTRIFUGE 2 1390 1370 168	50
Entry Date 2016/02/15 1HYD/MECH JARS 136 62 CUTTING STRUCTURE 30 Drill Pipe Stands 8:	5.20m 2 ^{COMBIN-} 114 77 22300 12 7.50m	MUD MATERIALS ADDED	
TO ODC Kelly Down	0.00m	BARITE 84 EAC OPTI-GLIDE 2 EAC	
BRG Weight of String	OkdaN IOkdaN		Remarks: INSPECT FLOOR EQUIPMENT, TONG, BACK UP SLINGS, DEAD MAN, CAT HEAD, ST-80, TUGGER LINE HOOK
From To D-R-C RPM WOB Hole Drag Up 11 Down	REDUCED PUMP SPEED	Boiler	INSPECT CATWALK PIPE RACKS, PIPE RACK PINS/CHAINS, FLARE AND DEGASSER LINES, LOAD LINE, FUNCTIONED UPPER & LOWER TRAVEL LIMITS & E. STOPS, CROWN SAVER/JOINTER AND PASON CHOKE, MANUAL CHOKE INSPECT STABBING VALVE/INSDIE BOP
Fill on Bottom	0.00m 1 7500 @ 77 @ 3152 2 7800 @ 77 @ 3240 @ @	Boiler # Hours Run pH Stack Temp	Safety Tonic I MEHL I MACP
TOUR 3 SIGNATURE OF DRILLER	JOSH GILBER		START TIME 2000 END TIME 24:00
BITS DRILLING ASSEMBLY Bit Number s No Component OD ID L	MUD RECORD	DEVIATION SURVEYS Time Depth Deviation Direction Type	TIME LOG From To Elapsed Code Details of Operations in Sequence & Remarks
Size	0.22m Other	20:30 3475m	20:00 21:00 1:00 DRILL 159mm HOLE FROM 3461M-3503M 21:00 21:45 0.75 20A DIRECTIONAL SURVEYS/CONNECTIONS
Type SK413M-B1G PDC 1 GAP SUB 121 68	9.35m Density 1380 1380 1.71m Funnel Viscosity 62s/l 63s/l 18.57m Fluid Loss		21.46 22.00 0.25 RIG SERVICE/ FUNCTION LOWER PIPE RAMS/ 4 SECONDS TO CLOSE 22.30 23.30 1.50 BF DOWNTIME - DRAWWORKS/ CHANGE DRAWWORKS ENCODER 23.30 24.00 0.50 DRILL 159mm LATERAL SECTION FROM 3503M-3523M.
Jets 8.7 8.7 8.7 1 X/O 134 61 11.1 11.1 1 HWDP(4.0 IN) 114 72	9.36m PH Location of Sample SHAKERS SHAKERS	SOLIDS CONTROL	
Depth Out (m) 1x/O 134 75	0.96m Depth 3460m 3503n 1.41m PVT 35m3 52m3 0.94m CIRCULATION	Equipment Name Hours Intake Density Density Density Density CENTRIFUGE 1.5 1390 1340 1700	
Cumulative Hrs Run 23.00 1XO 134 75	48.75m Pump# Type Liner Size SPM Pressure Hours Ru 0.96m 1 COMBIN- 114 75 23500 4 5.20m 2 COMBIN- 114 75 23500 4	MUD MATERIALS ADDED	
	5.20m 2 ^{COMBIN-} 114 75 23500 4 36.00m 0.00m	Product Amount Type BARITE 84 EAC	CH CH
	-9.69m Remarks: 23.00m	LIME	CH CH
	OkdaN 30kdaN		Remarks: INSPECT FLOOR EQUIPMENT.TONG.BACK UP SLINGS.DEAD MAN,CAT HEAD,ST-80,TUGGER LINE HOOK INSPECT CATWALK,PIPE RACKS,PIPE RACK PINS/CHAINS,FLARE AND DEGASSER LINES,LOAD LINE,
From To D-R-C RPM WOB Hole Drag Up 10 Down 3461m 3523m DRILL 55 12kdaN Torque at Bottom 750	0.00Nm Pump No. Pressure Strokes/min Depth	Boiler	FUNCTIONED UPPER & LOWER TRAVEL LIMITS & E - STOPS.CROWN SAVERJIGNITER AND PASON CHOKE.MANUAL CHOKE INSPECT STABBING VALVE/INSIDE BOP A FETY A FETY A FETY A FETY A FETY B TO THE TRAVEL TO THE TRAVEL THE
Fill on Bottom	0.00m 1 7900 @ 77 @ 3503 @ @ @	Boiler # Hours Run	
V. 1.3		<u>.</u>	A -11

License No	Wel	l Name	FROI	NT PA	GE SUM	IMARY	1)Y5252	Sheet Serial 9_2016021 ce Location			son	tware Ver		Unique We	2016		18 1 2 3	DAILY C) Daily Walk Aro) Detailed Inspe) H2S Signs Pos	und Inspect ction - Wee ted if Requi	tion kly (Using Cho ired	eck List)	OP RN MRM MR		CAC	bDC)
31527 Operator ARC RESOU	IRCES	RES HZ S	UNRISE L2	-25-78-18					n DRILLING,		78-18W6 DCLP			Rig No 529	F	/ell Type IORIZ		-078-17W6/00		Entry 6) Well Licence &) Flare Lines Sta) BOP Drills Perl) Visually Inspect	iked formed			MRM MR MRM MR MRM MR MRM MR			
Operator's A 16DRL0016 Signature of	Operator	Represer	ntative				:		of Contractor	's Rig Mai	nager				20 R	pud Date Ti 016/02/07 0- ig Release	4:00 Date Time			3) Rig Site Health) CAODC Rig Sa) Mast Inspectio) Crown Saver C	fety Inspect n before Ra	tion Checklist	(one/rig/mon	th)	1	asi	ason
CODE	1	2	3	4	5	6	7	MARC RAY	9	10	11	12	13	14	15	16	17	18	19	20	Motor Kills Che 21	ecked 22	23	24	25		Kelly Bushing 5.90	
g Tour 1	Rig Up	Drill Actual 4.25	 	Coring	Cond Mud & Circ	Trips	Rig Service 0.25	Repair Rig	Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillstem Test	n Plug Back	Squeeze Cement	Fishing	Dir Work 1.7		Tear Down	Waiting On	Rig Watch	Other 1.50	TOTAL 8.00	Rig 15	875.00 Boiler 0.00 06:00 Temp -6.00
Tour 1 Tour 2 Tour 3 Total		7.25 3.00 14.50					0.25 0.25 0.75													4.0 0.5 6.2	0 0.25				1.50	4.00 24.00	Wind Direct	tion Wind Strength CALM
TOUR	1	SIG	NATUI	RE OF	DRILLE	R					JOS	H GILBER									STAR	т тім	E	00:00		ND TIN		08:00
BITS Bit	Number	8		DR No	Compone		MBLY ID Ler		UD REC		Water _	Oil x	Time D	epth De	SUR\	irection	Ту	pe	TIIM From	E LOC	Elapsed Co	de		Details of	Operations	in Sequen	ce & Remark	s
	Size DC Code Ifacturer	REED			MUD MOTOR	200 128	0 9	.18m	Г	Time Density	02:00 1380	05:00	00:30 3: 01:00354 01:45 3:		89.9 89.6 89.4	125 124.2 126.1			00:00	04:30	3.002 1.5025 1.252	REBC	OT/TROUB	BLESHOOT	PASON CTION FRO			
	Type Serial No	SK413M-I	A2108	1 16 2	GAP SUB NON MAG FLEX MONEL	121 118	68 1 69 18	.71m .57m	Funnel Vi	scosity d Loss	63s/l	63s/	02:00357 02:45 3: 04:30360	592m	89.8 88.7 88.2	126.5 124.9 125.8			05:45 07:30	07:30	1.7520A 0.257	DIREC	CTIONAL SI SERVICE/ FI	URVEYS/C	ONNECTION	NS 22 SECONE	S TO CLOSE	
Depth	Jets Out (m)	8.7 E	$\overline{}$	1	K/O HWDP(4.0 IN K/O	134	72 9	.94m .36m	Location of S	pH sample s	HAKERS 3580m	SHAKERS 3660m	SOLII Equipr	DS CC	88.7 NTRC Hours		Over Flow	Under Flow	07:45	08:00	0.2521	SAFE	TY MEETIN	IG/CREW C	HANGE ME	ETING		
Total Dr	th In (m) rilled (m)			77 1	SLIDE REAM	134	68 0	_	RCULA		50m3	54m3	Nan	ne	Run 1.5	Density 1390	Density 1340	Density										
Cumulative		2016/02/1	27	25 1	S JTS OF D.P KO HYD/MECH J	134	75 0	.75m Pun .96m .20m	1 COMBINED 2 COMBINED	114 114	75 23 75 23	500 g	MUD			S ADDE												
TI	G STF	G	IRE age		Drill Pipe Drill Pipe	Sin		.00m					BARITE OPTI-MUI	L	Product			126 EACH	<u> </u>									
MDC LOC	_	eason Pul al Run (m.	led		Kelly D Weight o	otal	3708	_	narks:				OPTI-GLI OPTI-WE OPTI-PLL	T				1 EACH 1 EACH 1 EACH	н									
BRG METRE		LLED R-C RF	M WO		Weight of St LE CON le Drag	DITIO		kdaN	EDUCE	PUM	IP SPE	ED							INSPE	CT CATW	ALK,PIPE RA	CKS,PIPE	E RACK PIN	NS/CHAINS	FLARE AN	D DEGASS	ER LINES,LO	DAD LINE, DIKE,MANUAL CHOKE
		RILL	55 12kd	aN Torqu	e at Bottom on Bottom	P L 8	7500.0			sure Str	okes/min	Depth 3605	Boile:		Hours Rui	n p	oH	Stack Temp	INSPE		BING VALVE/	INSIDE B	OP					
										@	@			396		8	10.5	31		CK CONN	IECTIONS	Safety T	Topic			N.	95.00kdaN	MACP 2313kPa
TOUR	2	SIG	NATUI	_	DRILLE		MDI V	1	UD DEG		F	OB STAME	D=10	4 T (0)	OUD	/EV/0				-10	STAR	T TIM	E	08:00	EI	ND TIN	IE	20:00
BITS Bit	Number Size	8	-	No	Componer BIT		ID Len		UD REC	ud Type	Water	Oil 🗴		epth De	SUR\ viation D 89.6		Ту	pe	From 08:00	_	Elapsed Co	$\overline{}$. 159 MM LA		Operations		ce & Remark 3987M.	S
	DC Code Ifacturer Type	REED SK413M-I	RIG PDC		MUD MOTOR NON MAG FLEX MONEL GAP SUB	128 119 121	69 9	18m 35m 71m	E Funnel Vi	Time Density	08:00 1370 59s/l	12:00 1380 61si	08:30 372 09:00 373 10:00 375		90 89.8 90.2	125.7 125.6 125.4			15:15	1	4.00 20A 0.25 7	RIG S	ERVICE/FU	JNCTION U		RAMS 4 S	ECONDS TO	CLOSE BERS IN POSITION IN
5	Serial No Jets	_	A2108	16 2	NON MAG FLEX MONEL K/O		69 18	57m 94m	Flui	d Loss pH			10:30 376 11:00 378 11:30 379		89.8 90.4 90.5	125.6 124.6 125.5			19:30	19:45	0.25 21A	110 SE REVIE	EWED	APPROPRIA	TE MUSTER	POINT,HEAL	COUNT AND	SEARCH PATTERNS
	Out (m)	11.1 11	.1	1	HWDP(4.0 IN K/O SLIDE REAM	134	75 0	36m 96m 41m	Location of S	Depth PVT	HAKERS	SHAKERS	SOLI Equipr Nan	ment	Hours Run	Intake Density	Over Flow Density	Under Flow Density	_	20:00	0.25 21	SAFE	TY MEETIN	IG/CREW C	HANGE HA	ND OVER/	PLAN FORW	/ARD MEETING
	rilled (m) un Today		7	56 1: 25 1:	K/O 5 JTS OF D.P	134 114	74 48	75m Pun	RCULAT	Liner Size		_	CENTRIF	UGE	2	1390	1290	187	0									
	ntry Date	2016/02/1	5	1 48	KO HYD/MECH J. Drill Pipe			96m 20m .00m	1ED 2COMBIN- 2ED	114		300 12 300 12	1		RIAL S	ADDE		ount Type										
TI TO			DC led	d	Drill Pipe Kelly D				marks:				BARITE OPTI-WE LIME CLAYTON					42 EACH 1 EACH 10 EACH 4 EACH										
LOC BRG		al Run (m.	/hr)		Weight o Weight of St	f DC ring	74	kdaN					J CEATTOI	NL Z				4 EAG	Remar									JGGER LINE HOOK
	Го D-		M W0I	Hol	e Drag U		Down		EDUCEI p No. Pres		IP SPE	⊒ D Depth	Boile	·					FUNCTI	IONED UP	ALK,PIPE RA PER & LOWER BING VALVE/	TRAVEL	LIMITS & E- S					OAD LINE, OKE,MANUAL CHOKE
				Fill	on Bottom		(0.00m	1 7900 2 8100		75 @ 75 @ @	3736 3765	Boiler		Hours Rui	12 p	10.5	Stack Temp 31	0	ETY	IECTIONS JS	Safety T		RILI		I N	NEHL 87.00kdaN	MACP 2363kPa
TOUR	3	SIG	NATU	RE OF	DRILLE	R						H GILBER									STAR		_	20:00	EI	ND TIM		24:00
BITS Bit	Number	8		DR No	Compone		MBLY ID Ler		UD REC	ud Type	Water _	Oil x		epth De	viation D	irection	Ту	pe	TIM From	E LO	G Elapsed Co	de		Details of	Operations	in Sequen	ce & Remark	s
ł	Size DC Code Ifacturer	REED		1	MUD MOTOR NON MAG FLEX MONEL	200 128 119	0 9	1.22m 1.18m 1.35m	Г	Time Density	20:00 1380	23:00	20:00 398 20:45 4 21:00 401	001m	88.5 88.2 89	121 121.3 123.1			20:00	23:30	3.00 2 0.50 20A 0.25 7	DIREC	CTIONAL SI	URVEYS/C	ONNECTION	NS	095M SECONDS TO	CLOSE
	Type Serial No	SK413M-l	A2108	116 2	GAP SUB NON MAG FLEX MONEL	121 118	68 1	.71m 3.57m	Funnel Vi	scosity d Loss	60s/l	60s/	21:45 4 22:00 404 22:30 4	45.19m	89.3 89.6 90.5	123.6 123.1 123.1				24:00	0.25 21	SOUR	BOP DRILL .	WELL SECU	IRE in 110 sec	cs. CREW RE		L. ALL MEMBERS TO
Depth	Jets Out (m)	8.7 E			K/O HWDP(4.0 IN	134	72 9	0.94m 0.36m 0.96m	Location of S	pH sample :	SHAKER 3987m	SHAKERS 4075m	SOLII Equipr	DS CC	91.1 NTRC Hours		Over Flow	Under Flow										
Dep Total Dr	th In (m) rilled (m) un Today		15	64 1	SLIDE REAM	134	63 1 68 (.41m .94m CI	RCULA		54m3	52m3	Nan	ne	Run 2	Density 1390	Density 1340	Density										
Cumulative	Hrs Run	2016/02/1	37	50 1	S JTS OF D.P KO HYD/MECH J	134	75 (i.20m	1 COMBIN- 2 COMBIN- 2 COMBIN-	114 114	75 23 75 23	_	MUD			S ADDE												
TI TO	G STF	Ga	IRIE age DC		Drill Pipe Drill Pipe Kelly D	Sin).00m	narks:				BARITE		Product		Amo	ount Type 42 EACH 15 EACH	╝									
MDC LOC	_	eason Pul al Run (m.	led		Weight o	f DC	4095	i.00m kdaN					OPTI-MU OPTI-PLU OPTI-WE					1 EACH 1 EACH		1	PEOT 5: 5 -			101/:	100			100501
BRG From 1			M WO		Weight of St LE CON le Drag	DITIO			EDUCE			ED							FUNCTI	CT CATW	ALK,PIPE RA	CKS,PIPE	E RACK PIN	NS/CHAINS	FLARE AN	D DEGASS	ER LINES,LC	JGGER LINE HOOK DAD LINE, JKE,MANUAL CHOKE
3987m 40	095m D	RILL	55 12kd	aN Torqu	e at Bottom on Bottom		7500.0		1 8200	© Str	okes/min 70 @ @	Depth 4088	Boile:	r#	Hours Rui	n p		Stack Temp	SAF	ETY	BING VALVE/	INSIDE B					1EHL	MACP
V. 1.3										@	@		1	396		4	10.5	31		CK CONN	IECTIONS	- anoty 1					100.00kdaN	2306kPa

License No Well Name Surface Location Prov Loc Type Unique Well Id Surface Location Prov Unique Well Id Surface Location Surface Location Prov Unique Well Id Surface Location Prov Unique Well Id Surface Location Prov Unique Well Id Surface Location Surface Location Prov Unique Well Id Surface Location Surface Location Surface Location Surface Location Surface Location Surface Location Unique Well Id Surface Location Surface Lo	5
Operator's AFE Contractor's Job No	7
Signature of Operator Representative Signature of Contractor's Rig Manager Rig Release Date Time 30 Mast Inspection before Raising or Lowering MIR Pason	
IFUEL @ 08:	
Rig Drill Description Costs Cond Mud Trans Rig Repair Cut Off Dev Wireline Run Csg Wait On Nipple Up Test Drillstem Plug Squeeze Casts Dir Safety Tear Waiting Rig Cut-on Right Cond Mud	Roiler
Up Actual Realiming Corring & Circ Imps Service Rig Drilg Line Survey Logs & Cement Cement BOP BOP Test Back Cement Pristing Work Meeting Down On Watch Owner 101AL 12375.1	Temp
O Tour 1	Wind Strength CALM
	08:00
BITS DRILLING ASSEMBLY MUD RECORD DEVIATION SURVEYS TIME LOG	
Bit Number 8	
Manufacturer REED 1/30/MMGREX 119 69 9.35m Density 1390 1380 01:15 4132.94m 91.2 123.1 05:30 07:35 2:00/20 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:10 05:30 07:35 07:35 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:35 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:35 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:35 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:35 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:35 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:35 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:35 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:35 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:35 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:35 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:35 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:35 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:35 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:45 0.257 RIG SERVICE/FUNCTION ANNULAR / 22 SECONDS TO CLOSE 10:30 07:45 0	
Serial No	
11.1 1 1 1 1 1 1 1 1	
Depth In (m) 2531 1SLUGE REAMER 150 63 1.41m PVT 54m3 51m3 Mame Run Density Dens	
His Run Today 5.50 1 5 JTs OF D.P 114 74 48.75m Pump# Type Liner Size SPM Pressure Pump# Type Liner Size SPM Pump# Type Liner Size SPM Type Liner Size Type Type Liner Size Type Type Liner Size Type Type Liner Size Type Type Liner S	
CUTTING STRUCTURE Se Drill Pipe Stands 1696.50m	
TO	
LOC Total Run (m/hr) Weight of DC Weight of String 74kdaN Remarks: INSPECT FLOOR EQUIPMENT,TONG,BACK UP SLINGS,DEAD MAN,CAT HEAD,ST-80,TUGGE	
METRES DRILLED HOLE CONDITION From To D-R-C RPM W0B 4095m 4284m DRILL 55 1243m] Torque at Bottom 7500.00nm Pump No. Pressure Strokes/min Depth 1800.000 Pressure Strokes/m	
4095m 4284m ORILL 55 12xdan Torque at Bottom 7500.00Nm Full prills	MACP
DERRICK CONNECTIONS 105.00kdaN	2430kPa
TOUR 2 SIGNATURE OF DRILLER ROBSTAMP START TIME 08:00 END TIME BITS DRILLING ASSEMBLY MUD RECORD DEVIATION SURVEYS TIME LOG	20:00
Bit Number 8 No Component 0D ID Length Mud Type Water 0ii x Time Depth Deviation Direction Type From To Elapsed Code Details of Operations in Sequence & Remarks Size 159 18IT 200 0 0.22m 0ther 08:00 4279.19m 90.4 123.5 08:00 15:00 7:00 08:01 15:00 07:00 08:01 15:00 15:00 08:01 15:00	
IADC Code 1MUD MOTOR 128 0 9.18m Time 10:30 13:34 08:30 4293.81m 90.2 122.8 15:00 18:00 3.00 20.4 DIRECTIONAL SURVEYS/CONNECTIONS 18:00 18:00 18:15 0.257 RIG SERVICE FUNCTION UPPER PIPE RAMS 4 SECONDS TO CLC	3E
Type Sk413M-B1G PDC 1GAP SUB 12: 68 1.71m Funnel Viscosity 599/1 599/1 1045 4337.66m 89.8 122.8 18:15 19:45 1.50 CIRCULATE HOLE CLEAN PRIOR TO WIPER TRIP Serial No A210816 2NON MAGFLEX 118 69 18.57m Fluid Loss 1130 4352.51m 90.2 122.4 19:45 20:00 0.25 21 SAFETY MEETING/CREW CHANGE HAND OVER/PLAN FORWARD	MEETING
Jets 8.7 8.7 8.7 100 134 61 0.94m 11.1 11.1 11.1 11.1 11.1 11.1 11.1 11	
Depth In (m)	
Hrs Run Today 7.00 15 JTS OF D.P 114 74 48.75m Pump# Type Liner Size SPM Pressure Nour Run Cumulative Hrs Run 5.00 130 150 0.96m 150 0.9	
CUTTING STRUCTURE 65 Drill Pipe Stands 1901.25m Product Amount Type	
Ti	
LOC Total Run (m/hr) Weight of DC Roman Remarks: INSPECT FLOOR EQUIPMENT, TONG, BACK UP SLINGS, DEAD MAN, CAT HEAD, ST-80, TUGGE	R LINE HOOK
METRES DRILLED HOLE CONDITION INSPECT CATWALK,PIPE RACKS,PIPE RACK	
4284m 4503m DRILL 55 14kdam Torque at Bottom 8200.00Nm Pump No. Pressure Strokes/min Depth	MACP
2 8700 @ 75 @ 4350 396 12 10.5 310 Safety Topic MEHL 1 8500 @ 75 @ 4496 DERRICK CONNECTIONS JSA 2-F 87.00kdaN	2363kPa
	24:00
BITS	incont.
Size 159 159T 200 0 .22m	2590M. FINAL
Type Sk413M-B1G PDC	N FLOWCHECK
Jets 8.7 8.7 8.7 8.7 1/UO 134 61 0.94m PH @ 2590M.	
Depth Out (m)	
Hrs Run Today 0.00 1kD 114 74 48.75m Pump# Type Liner Size SPM Pressure Nour Run Cumulative Hrs Run 50.00 1kD 134 75 0.96m 1 114 0 0 0	
Entry Date 2016/02/15	
CUTTING STRUCTURE	
CUTTING STRUCTURE	S LINE HOOK
CUTTING STRUCTURE	INE,
CUTTING STRUCTURE	INE,

FRONT PAGE SUMMARY License No Well Name 31627 ARCRES HZ SUNRISE L2-25-78-18								RY			OY525 Surfa	Sheet Seria 29_2016022 ice Location 078-18W6	20_1B								onth Da	20 1) 2) 3)	H2S Signs Pos	und inspection und inspection = Mekely (Using Check List) ted if Required					DC)	
Operat	SOURCE or's AFE		procent	ativo					PRE Cont 77	tractor's Jo	RILLING, DIV OF bb No ontractor's Rig Ma				Rig No 329	2	Well Type HORIZ Spud Date 1016/02/07				Re-E	7) Visually Inspected BOPs - Riare Lines & Degasser Lines MRM MR 1) Rig Site Health & Satety Meeting (one/crew/month) 2) CAODC Rig Satety Inspection Checklist (one/rig/month) 3) Mast Inspection before Raising or Lowering						as	on		
Dean B	oehnert		2	3	4	5	6	,		RC RAYMO		11	12	13	14		016/02/21			8	19	4)	Crown Saver 0 Motor Kills Ch	Checked	23	24	25		Kelly Bushing 5.90	0p Fuel 4335.00	٦
დ Tou	Ri Uj	g C	Orill ctual		Coring	Cond Mu	od Trips	S Sei	Rig R	Repair (Cut Off Dev rilg Line Survey	Wireline	Run Csg & Cement	Wait On 1			Drillste	m Plug		eeze _	ishing	Dir Work	Safety Meeting 0.50	Tear Down	Waiting On	Rig Watch	Other	TOTAL	FUEL @	08:00 HOUE 250.00 Boiler 0.	00 00
Tou Tou	r 3							.75	0.25		0.50		2.50						+			0.7	-					4.0	0 II N	tion Wind Strength	_
TO	UR 1		SIGI	VATUR	F OF	DRILL		.25	0.50		0.50	JOS	2.50 SH GILBER									0.7	STAR	т тім	F	00:00		END TII		08:00	
BITS		•	0.0.		_	RILLING		ЕМВ	LY	MUE	RECORD			DEVIA	TION	I SUR	VEYS				TIME	LOG				00.00				00.00	
		Size	_	159	No 9 1	Compor BIT	- 2	DD ID 200 0	Length 0.22r	⊣ 1	. (Water Other	Oil 🗴	Time De	epth De	viation [Direction		Туре		From 00:00	To 1	Elapsed Co 2.50 6A	_	N HOLE F				ce & Remark / 3870M. WAS	SH LAST STAND	го
	IADC C Manufact	urer REE			1	MUD MOTO NON MAG FLE MONEL	х .	128 0 119 69			Time Density	04:00 1380		Ħ	+							02:45	0.257	\neg	ERVICE/ F				OS TO CLOS		
	Seria	-		A21081	6 2	GAP SUB NON MAG FL MONEL	EX ,	121 68 118 69		n	Fluid Loss	62s/l									02:45	06:30	3.755 0.2521	SAFE	TY MEETI	NG PRIOR	TO LAY D	OWN/ COP 2			
	Depth Out	11.	7 8.7	8.7 8.	1	X/O HWDP(4.0 X/O	IN) 1	134 61 114 72 134 75	_	n Loca	pH ation of Sample Depth	SHAKERS 4503m		SOLIE				0	Heat		06:45 07:45	07:45 08:00	1.00 6F 0.25 21	-						'S @ 4501M/433 ITH ARC REP	2M
	Depth In tal Drilled	(m)		253	1 1	SLIDE REA	MER 1	150 63 134 68	1.41r	n	PVT	4503m 55m3		Equipn Nam CENTRIFI	ie	Hours Run 2	Intake Density 1390	Over Flor Density	De	er Flow ensity 1710											_
ŀ	Irs Run To ative Hrs	day		50.0		5 JTS OF D).P 1	114 74 134 75	48.75r	n Pump#	Type Liner Size	SPM Pres	ssure Hours Rui																		4
		Date 2016				HYD/MECH Drill Pipe		136 62 Stands	5.20r 1901.25r	ا للب	COMBINED 127		3500 4			Product	S ADD		nount												_
TI TO			Gag OD	С	1	Drill Pipe Kelly	Down	Singles	9.75r -4.69r	n Remar	ks:			DARITE NDFT 301 OPTI-GLII		ADS)			20 2	EACH EACH											
MDC		Reaso Total Ru	on Pulle un (m/h		1	Weight			4503.00r																						
	RES D	D-R-C	_	M WOB		Weight of	NDIT	_	72kdal		UCED PUI	AD SDE	ED.								INSPECT	T CATW	ALK,PIPE RA	CKS,PIPI	RACK PI	INS/CHAINS	S,FLARE A	ND DEGAS	SER LINES,LO		
From	То	D-K-C	KPI	N WUB	Torqu	ue at Bottom	Up	Dov	wn			rokes/min @	Depth	Boiler								T STABE	BING VALVE			STOPS,CRC	WN SAVE	K,IGNITEK AP	D PASON CHO	KE,MANUAL CHO	(E
						on Bottom				╵	@	@		Boiler	396	Hours Ru	8 8	pH 10.5	Stack	Temp 310	TRIPPING			Safety 1	оріс				MEHL 100.00kdaN	MACP 2313	Pa
TO	UR 2	2	SIGI	NATURI	E OF	DRILL	ER.					-	ROB STAME										STAR	т тім	=	08:00		END TIE	ΛΕ.	20:00	
BITS	;				DF	RILLING	a ASS			MUE	RECORD			DEVI							TIME		1				,			· · ·	
		Size		159	√	віт	2	DD ID 200 0	0.22m	1	. (Water Other	0il 🗴	Time De	epth De	viation [Direction		Туре		98:00	To 1	Elapsed Co 10.50 6F	LAY D		LL PIPE FR	OM 4300N	I-116M 10 M		CK AT 2598M,11	6m
	IADC C Manufact	urer REE		IG PDC	1	MUD MOTO NON MAG FL MONEL	EX .	128 ₀			Time Density Funnel Viscosity	1380									18:45	18:45 19:00	0.2521 0.2521	SAFE	TY MEETI	NG PRIOR	TO SLIP L	INE/ COP 6-	IA.	TH ARC REP	4
	Seria	JPC SIL		A21081	6 2	GAP SUB NON MAG FL MONEL X/O	EX ,	121 68 118 69 134 61	1.71m 18.57m 0.94m		Fluid Loss pH	62s/l			\pm						19:00	19:30	0.50 9A 0.25 6B	SAVE	R/					ACTUAL =19.44M	
	Depth Out	11.	1 11.1	450	1	HWDP(4.0	IN) 1	114 72 134 75		Loca		SHAKERS 4503m		SOLIE		ONTRO Hours	DL Intake	Over Flor	u Hode	er Flow	19:45		0.25 21	DIFF:	= +1.88 M/	3				TH ARC REP	J.
	Depth In tal Drilled	(m)		253°	1 1	SLIDE REA	MER 1	150 63 134 68	1.41m		PVT	55m3		Nam		Run	Density	Density		ensity											7
	Hrs Run To ative Hrs	Run		50.0		5 JTS OF D XO	_	114 74 134 75		1 <u> </u>	Type Liner Size	SPM Pres	Sure Hours Rui	<u> </u>																	_
	Entry I	Date 2016	CTU	RE	65	HYD/MECH Drill Pipe		136 62 Stands	5.20m 1901.25m	⊣ ⊢—	127	0	0 0	MUD		Product	S ADD		nount	Туре											_
TO MDC	3	Popor		СТ	0 1	Drill Pipe Kelly	Down	Singles	9.75m -4.69m	Remar	ks:																				_
MDC LOC BRG		Total Ru	on Pulle un (m/h		4	Weight Weight of	-		4503.00m 0kdaN 72kdaN	v											Remark	c. INCD	ECT EL OOR I	EOLIIBMEI	IT TONG E	VCK IID 61	INGS DEAL) MANICAT I	EAD ST. 90 TI	JGGER LINE HOO	
	RES D	D-R-C		M WOB		OLE CO					UCED PUI	MP SPE	ED								INSPECT	T CATW	ALK,PIPE RA	ACKS,PIPI	RACK PI	INS/CHAINS	S,FLARE A	ND DEGAS	ER LINES,LO		
					Torqu	ue at Bottom on Bottom	H				o. Pressure St		Depth	Boiler Boiler		Hours Ru	ın İ	pH	Stack	Temn	INSPECT SAFE		BING VALVE	INSIDE B	OP						
					_					_	@	@		501101	396	Tiouro Tio	12	10.5	Otdore	310	LAYING I	DOWN F	PIPE COP 2-1	Safety 1	opic				MEHL 105.00kdaN	MACP 2313	:Pa
TO	UR 3	3	SIGI	NATURI	E OF	DRILL	.ER					JOS	SH GILBER	1									STAR	т тім	E _	20:00		END TII	/IE	24:00	
BITS	Bit Nun	nber			DF No	Compor			LY Length		Nud Type	Water	Oil ×	DEVIA Time De					Туре		From		Elapsed Co	de		Details o	f Operatio	ns in Seque	ce & Remark	s	
		Size								1		Other									20:00	20:15	0.25 21 0.75 20D	REVIE		-1 ON HANE	DLING BH	A	D MOTOR/BI		
	Manufact	urer Type						\pm] ,	Density Funnel Viscosity				+						21:00	21:15	0.257	RIG SI		INCTION LO	WER PIPE	RAMS,3 SEC	TO CLOSE,BL	IND RAMS,4 SEC	то
	Seria	Jets								1	Fluid Loss pH										21:15	21:30	0.25 21	_	Y MEETING R TONGS		V AND CLE	AN FLOOR AN	D ON RIGGING	UP RIG FLOOR F	OR
ı	Depth Out				┢			$^{+}$		Loca	ation of Sample Depth			SOLIE Equipn Nam	nent	Hours	Intake	Over Flor		er Flow	21:30		0.25 12A	ASSE	MBLY,BAC	CK UP TON	GS,CASIN	G FILL HOS	≣,	LEVATORS,PACKI	\Box
	Depth In tal Drilled Irs Run To	(m)						+			PVT CULATION Type Liner Size	SPM Pres			ie	Run	Density	Delisity	De	ensity	21:45		0.25 12B	TON	LEVATOR	R 113840.			sing plus 24 s	BER SIDE DOOR	.00
	ative Hrs Entry (Run			1			Ŧ		Pump#	Type Liner Size 1470 127	O O	0 0		MATE	RIAL	S ADD	ED			22.00	24.00	2.00 128	Plus a	ssembly S	et from 449	8.0m to 25		37 Joints 114		4
CUT	TING S		Gaç			Drill Pipe Drill Pipe		Stands Singles		F	127					Product		Ar	nount	Type				20.10	9111, 771 2			or mode	Adding		7
TO MDC			OD on Pulle	C ed		Kelly	Down Total			Remar	ks:													\pm							7
LOC BRG		Total Ru		r)		Weight Weight of	String												Ŧ											JGGER LINE HOC	ıK
From	To	D-R-C		M WOB	Но		Up	ION Dov	wn		UCED PUI		Depth								FUNCTIO	NED UPF		TRAVEL I	.IMITS & E-				D PASON CHO	OAD LINE, OKE,MANUAL CHO	KE
				+		ue at Bottom on Bottom					© Pressure St	@ @	Бериі	Boiler Boiler		Hours Ru	ın	рН	Stack		SAFE		MNG VALVE	Safety 1					MEHL	MACP	
V. 1.3					1						@	@			396		4	10.5		310	HANDLIN	NG BHA							80.00kdaN	2313	Pa

FRONT PAGE SUMMARY License No Well Name								Tour Sheet Serial Number DYS2529_20160221_1B Surface Location					Pason 2016 0					Month I	21	DAILY CHECKS 1) Daily Walk Around Inspection 2) Detailed Inspection - Weekly (Using Check List)					ŀ	1				
315	527 A		SUNRISE L	2-25-7	B-18					BC DLS				10	nique Well 03/08-19-0				3) H2S Signs Pos 4) Well Licence & 5) Flare Lines Sta	ted if Re Stick Di	quired		MRM ME MRM ME	R	CA	D D	シ			
	SOURCES	;							ON DRILLING, D	IV OF F	PDCLP			Rig No 29		Well Typ HORIZ				Re-	Entry (6) BOP Drills Per 7) Visually Inspect	formed	Flare Lines &	Degasser Lines		R	226	an	
Operato 16DRL0 Signatu	016	ator Repres	entative					Contracto 77 Signature	of Contractor's	Spud Date Time 2016/02/07 04:00 Rig Release Dat					00			- 3	1) Rig Site Health 2) CAODC Rig Sa 3) Mast Inspectio 4) Crown Saver (fety Insp in before	ection Checkl	ist (one/rig/mo	onth)	∃ ″	oas					
Dean Bo		2	3		4 5	6	7	MARC RA	YMOND 9	10	11	12	2016/02/2									5) Motor Kills Ch		23	24	25		Kelly Bushing 5.9	ason Op Fuel 3250.	.00
COD	Rig	Drill	Reaming	1	cond Mud	Trips	Rig	Repair	Cut Off	Dev	Wireline	Run Csg	Wait On	lipple l BOP	Jo Test	Drill	stem	Plug Back	Squeeze Cement	Fishing	Dir	Safety Meeting	Tear	Waiting		Other	тота		08:00 H(
Tour		Actua]		- Q CIIC		Service	e Rig	Drilg Line	Survey	Logs	& Cement	Cement			Te	ISL	Back	Cement		Work	0.25	Down	On	waten		8	.00 Time	06:00 Temp	-1.00
Tour Tour	3				2.00							8.00		3.	75		\dashv					1.00	0.	_			4	.00 CLEA Wind Di .00 T N Board C		Trength
Tot					2.00	Ę						15.75		4.	75							1.25	0.					.00 FAIR		
	JR 1	SI	GNATU		OF DRILLE						JOS	SH GILBER					_			I		STAR	T TII	ME	00:00	0	END T	ME	08:00	
BITS	Bit Numb	oer		-	No Componen		D ID L		IUD REC	1 Туре	Water _	Oil 🗴			N SUR Deviation		_	Тур	9	From	To	Elapsed Co	de		Details o	of Operatio	ns in Sequ	ence & Rema	ks	
	IADC Co	de		_		\pm				Time _	03:00		<u> </u>							00:00	07:45	7.75 12B			to Surface. I				110 LT&C cas	ing set
,	Manufactu Ty			╬					De Funnel Visc	nsity	1380 66s/l									07:4	08:00	0.2521	1AH	NDOVER ME	ETING WITH	H CREW A	ND PLAN F	ORWARD MEE	TING WITH AF	C REP
	Serial J	No ets							Fluid	Loss																				
D	epth Out (m)		4		+			Location of Sa	mple Depth	TANKS 4503m		SOLIE		ONTR	OL Intak		ver Flow	Under Flo	w			+							=
	Depth In (al Drilled (m)		4					IRCULAT	PVT	44m3		Nam		Run	Densi		Density	Density											
Н	rs Run Too tive Hrs R	lay		4		\perp		_			SPM Pres	ssure Hours Ru					+													
	Entry Da		IIRE		Drill Pipe		tands		2SINGLE	127	0	0 (MUD	MAT	Product	S AD	DEC		nt Type											=
TI			Gage ODC		Drill Pipe	Si	ngles																							
MDC		Reason P	'ulled	4		otal		Re	emarks:																					\equiv
LOC BRG		Total Run (Weight of Weight of Str	ing																PECT FLOOR	_							ноок
From	_	D-R-C	RPM WO		HOLE CON Hole Drag Up	_	ON Down		EDUCED											FUNCT	IONED UF	VALK,PIPE RA	TRAVE	L LIMITS & E						CHOKE
				- 11	orque at Bottom Fill on Bottom			Pui		@	@	Depth	Boiler Boiler		Hours R	ın	pН	l s	ack Temp	CAE	CT STAB	BING VALVE	INSIDE	BOP						
				∃"	'					@	@			396		8		10.5		310	NG CASI	NG / PACKER		y Topic VBLY				MEHL 80.00kda	MACF 2	P 2313kPa
TOL	JR 2	SI	GNATU	RE (OF DRILLE	R						ROB STAMI										STAR	T TU	ME	08:0	0 [END T	ME	20:00	
BITS					DRILLING A	_	MBLY	N	IUD REC	ORD			DEVIA	TIO	N SUR	VEYS	;			TIM	E LO	-				<u> </u>				
	Bit Numb	ize		_ [No Componen	t OI) ID L	ength	Mud		Water ther	Oil 🗴	Time De	pth D	Deviation	Directio	1	Тур	9	From 08:00	_	Elapsed Co 0.25 21	$\overline{}$	ETY MEET	Details of			ence & Rema ONGS	ks	
,	IADC Co Nanufactu			7		+				Time	17:00 1380									08:15	11:00	2.75 12B		TINUE TO R		PRODUCTIO	ON CASING	TO AND LANDE	O AT 4498 METE	ERS,RIG
	Ty Serial	ре				1			Funnel Viso Fluid	osity	65s/l									11:00	13:00	2.005 0.2521	RIG	IN CIRCUL				CIRCULATE I	OTTOMS UP	=
		ets		4		1			Location of Sa	pН	SHAKERS		COLUE	20.20	ONTR	21				13:15		1.75 12	Rig	up cemente	ers, Pressure	test iron to	o 40mpa, P	ump 19.7m3 C gh vis slug, sh	F 3 % KCL wa	ater
	epth Out (Depth In (#						PVT	4503m		Equipn	nent	Hours Run	Intak Densi		ver Flow Density	Under Flo Density	w			drop	the 1" sett				pump 8.5m3		
Tot	al Drilled (rs Run Too	m)		#					IRCULAT	ON	25m3		CENTRIFL	-	5	_	880	1170	,	15:00	16:00	1.00 12	swit					ip to 16.5mpa to 23 .mpa to		
	tive Hrs R Entry Da	un		#		#		Fu	1SINGLE	1470	44 4	4000 3	i	мат	ERIAL	SAD	DEL)					tool				pressure up	to 23 .mpa to	open stage	
		TRUCT	_		Drill Pipe		tands		2SINGLE	127	0 4	4000 (Product	· · · ·			nt Type	16:00	-	0.50 12 2.00 12	con	t cement w		ptiflush W/S			@ 1400kg/m3	fill
TI TO			ODC		Drill Pipe Kelly Do	wn	ngles	Re	emarks:														GAS	STIGHT 185	50, Disp W/ 1	18.92m3 inl		cement 11 tor ump plug 11.5	ne (8.7m3) mpa OFCP,C	lose
MDC		Reason P Total Run (Weight of																18:45	0.2521	SAF	ETY MEET		CHANGE I		R/PLAN AHE		
		RILLEC			Weight of Str HOLE CON		ON						<u> </u>							INSPE	CT CATV	PECT FLOOR I	ACKS,PI	PE RACK F	PINS/CHAIN:	S,FLARE A	AND DEGA	SSER LINES,I	OAD LINE,	
From	To	D-R-C	RPM W0	⊣⊢	Hole Drag Up orque at Bottom		Down		mp No. Pressu			Depth	Boiler									PPER & LOWER			- STOPS,CR	OWN SAVE	R,IGNITER /	IND PASON CH	OKE,MANUAL	CHOKE
				HL	Fill on Bottom					@	@		Boiler		Hours R	ın 12	pН	11 Si	ack Temp	SAF	ETY		Safet	y Topic				MEHL	MACE	
								L		@	@									RUNNI	NG CASI	NG COP 3-1,0	CEMEN.	TING COP	4-1			71.00kda	2	2313kPa
τοι	JR 3	SI	GNATU	RE (OF DRILLE	R					JO	SH GILBER								_		STAR	T TII	ME	20:0	o I	END T	ME	24:00	
BITS	Bit Numb	oer			No Componen		MBLY		IUD REC		Water _	Oil 🔲			N SUR Deviation			Тур	9	TIIM From	E LO	Elapsed Co	de		Details o	of Operatio	ns in Sequ	ence & Rema	ks	
	S IADC Co	de l		4						Time	ther	l								20:00	22:45	2.75 14B			SOPS/ RIG OU			3/ KILL LINES/F	OWLINE/FLOW	/ T/ SUB
1	Manufactu Ty			4		+		_	De Funnel Viso	nsity											23:45	1.00 14E 0.25 22	SAF	ETY MEET	ING AND IN	ISTALL WE	ELLHEAD V	/ITH CAMERO	N LINES AND PUN	MPS.RIG
	Serial			4		\mp			Fluid												24.00	0.2022	OUT	TANK FARM	LINE,CLEAN	MUD TANKS	S,SAFE WOR	K AGREEMENT	@ 23:59HRS	ITH
	epth Out (#					Location of Sa	· ·					ONTR								AINL	O VAC HAU	LEKO,RIO R	CELEAGED	ON FEBR	JAK 1 2 1/20 10	₩ 23.39FIN3	
	Depth In (m)		#		#				PVT			Equipn Nam	ent e	Hours Run	Intak Densi		ver Flow Density	Under Flo Density	w										\equiv
Н	al Drilled (rs Run Too	lay		#					mp# Type Li	ner Size	SPM Pres	SSUFE Hours Ru					+													
	tive Hrs R Entry Da	ate				±,			2	1470 127	0	0 (MUD	MAT	ERIAL	S AD	DED		nt Type											
TI	ING S		Gage		Drill Pipe Drill Pipe	Si	ngles			\exists					riouutt			Allou	туре				+							
MDC	\exists	Reason P		\exists		otal		Re	emarks:									\blacksquare		1			\pm							
LOC BRG		Total Run (Weight of Weight of Str	ing																PECT FLOOR								ноок
From	RES D	D-R-C	RPM W0		HOLE CON Hole Drag Up		ON Down		EDUCED									+	+	FUNCT	IONED UP	VALK,PIPE RA	TRAVE	L LIMITS & E						CHOKE
				T	orque at Bottom			Pu	mp No. Pressu	ire Str @	okes/min @	Depth	Boiler Boiler		Hours R	ın	рН		ack Temp	CAE	CT STAB	BING VALVE	INSIDE	ВОР						
				7				TF		@	@		Donel	396	nours fil	4	pn	11		10	DOWN	BOP'S,CLEAN		y Topic TANKS				MEHL 80.00kda	MACE	P 0kPa
				_																										_

### FRONT PAGE SUMMARY License No									0Y5252	Sheet Seria 29_2016022 ce Location	22_1B							Month I	22	3) H2S Signs Pos	und Inspection ction - Weekly (Using C ted if Required	heck List) MRM	P RM	CAOL			
Operator ARC RESOL Operator's A	IRCES	RES HZ S	UNRISE L2-2	25-78-18			Contractor PRECISION Contractor	N DRILLING, 's Job No		078-18W6 PDCLP			Rig No	W H S	/ell Type IORIZ pud Date T	ïme	078-17W6/0		Entry	 Flare Lines State BOP Drills Perion Visually Inspect Rig Site Health 	formed ed BOPs - Flare Lines & a & Safety Meeting (one	Degasser Lines	1 MR	paso			
16DRL0016 Signature of Dean Boehn	ert	-					MARC RAY							R 20	016/02/21 2	Date Time 3:59				3) Mast Inspection 4) Crown Saver (5) Motor Kills Ch	ecked	wering		Pas	On Op Fuel 3250.00		
Tour 1	Rig Up	Drill Actual	Reaming	Coring Cond & C	Mud _{Trine}	Rig Service	Repair Rig	Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg & Cement	13 Wait On Cement	14 lipple Up BOP	Test BOP	Drillsten Test	17 n Plug Back	18 Squeeze Cement	19 Fishing	Dir Work	Safety	Tear Down On 7.75 11.50	Rig Watch Ot	her TOTA 8. 12.	FUEL @ 0	0.00 Boiler 0.00 Temp 0.00 Items 0.00 Items 0.00		
Tour 3 Total																				0.75	19.25 4.0	0	4. 24.	00 Road Conditi FAIR	ICALM 1		
TOUF BITS		SIG	INATUR	DRILLIN	IG ASSI			UD REC			SH GILBER	DEVIA	سببس						E LO	G	T TIME	00:00	END TI		08:00		
IA	Number Size DC Code			No Com	onent 0	D ID LE	engtn		7 Time	Water	011	Time De	pui Devi	auon	mecuon	Ту	ре	00:00 07:4	07:45	7.75 22B 0.25 21	RIG DOWN TOP			ICE LOOPS/KEL	LY HOSE/2" HOSE ARC REP		
	ufacturer Type Serial No							Funnel Vi	id Loss																		
	Jets o Out (m)							Location of S	Depth			Equipm		Hours	Intake			v									
Total D	ith In (m) rilled (m) un Today						CI	RCULA		SPM Pres	ssure Hours Ru	Nam	e	Run	Density	Density	Density										
Cumulative Er	ntry Date		JRE	Drill Pip	е 5	Stands		1 2	1470 127	0	0 (MUD		RIALS	S ADD		unt Type										
TI TO MDC	=		age DDC	Drill Pip	e S Ily Down Total	ingles	Rer	marks:																			
LOC BRG	То	tal Run (m.			ht of DC of String	ON													_	_	EQUIPMENT,TONG,I		DEAD MAN,CAT	HEAD,ST-80,TU	GER LINE HOOK		
	_	-R-C RF	PM WOB	Hole Drag Torque at Botte	Up	Down _		p No. Pres		IP SPErokes/min	Depth	Boiler							ETY	OFF ER W EOF	THE THE ENGLISH OF	342-31013					
				Fill on Botto	m		7		@	@		Boiler	# H	ours Rur	8	pH :	Stack Temp 33	30	JT TOP (DRIVE	Safety Topic			MEHL 19.00kdaN	MACP 0kPa		
TOUR	2	SIG	NATUR	E OF DRII						ı	ROB STAMI				(T)(A			1			TTIME	08:00	END TI	МЕ	20:00		
	Number			No Com	onent 0			UD REC	lud Type O	Water	Oil 🗌	Time De	epth Devi			Ту	ре	From 08:00		Elapsed Co	SAFETY MEETI	NG WIH CREW A		ON MOVING A			
Mani	DC Code ufacturer Type							Funnel Vi	' I-												SIDED BINS,EQU WITH FLUID HA	IMENT SKID,LOAD	IS OF MATS,400 B	BLS X3,CEMENT	AND FLARE TANK,3 BINS,TANK FARMS		
	Serial No Jets							Flui Location of S				SOLIE	s co	NTRO)L			10:00	$\overline{}$	1.75 22 0.25 21 D	SYSTEM PRE-JOB SAFE	OR,TONGS,SLIPS,S	WITH CREWS F	RIOR TO LOW	R DERRICK		
Dep	n Out (m) ith In (m) rilled (m)						CI	RCULA	Depth PVT			Equipm Nam		Hours Run	Intake Density	Over Flow Density	Under Flov Density	_	20:00	3.75 22 6.00 22	ACTION,INSTALL		INSTEAD OF SAF	ETY PINS AS PE	OP PROGRAM IN R DROP PROGRAM CLEAN BOILER,		
Cumulative Er	ntry Date						Pun	np# Type 1 2	1470 127	SPM Pres	O (MUD			S ADD						WATER AND STE MORNING	AM LINES,RIG OUT	AIR LINES AND A	LL POWER,PREP	FOR TRUCK IN THE		
TI TO	G ST	Ga	age DDC	Drill Pip Drill Pip Ke		Stands	Rer	marks:					Pi	roduct		Amo	unt Type										
MDC LOC BRG	_	Reason Pul tal Run (m.			Total ht of DC of String													Rema	rks: INS	PECT FLOOR	EQUIPMENT,TONG,	BACK UP SLINGS.	DEAD MAN,CAT	HEAD,ST-80,TU	GGER LINE HOOK		
From		-R-C RF	PM WOB	HOLE C Hole Drag Torque at Botto	ONDITI	ON Down		EDUCE			Depth										/ER TRAVEL LIMIT						
				Fill on Botto					@ @	@ @		Boiler		ours Rur	12	pH :	Stack Temp 31	10	ETY /ER DEF	RRICK	Safety Topic			MEHL 100.00kdaN	MACP 0kPa		
TOUR	3	SIG	NATUR	E OF DRII	LER						SH GILBER	:1									T TIME	20:00	END TI		24:00		
BITS Bit	Number Size			No Com	IG ASSI			UD REC	lud Type	Water	Oil	Time De				Ту	ре	From 20:00	_	G Elapsed Co 4.00 23B		Details of Ope	rations in Seque				
	DC Code ufacturer							[Funnel Vi	Time Density									20.00	24.00	4.00238	WODATEIGHT	TO MOVE RIG P	71.2-25-76-16 10	9-20-79-17W0			
:	Type Serial No Jets							Flui	id Loss pH																		
Dep	out (m) oth In (m)							Location of S	Depth PVT			Equipm Nam	nent I	Hours		Over Flow Density	Under Flov Density	v									
Hrs R Cumulative							_	RCULAT np# Type 1		SPM Pres	ssure Hours Ru																
Er CUTTIN TI	ntry Date		JRE	Drill Pip	е 5	Stands		2	127	0	0 (MUD		roduct	S ADDE		unt Type										
TO	G ST	Ga	age	Drill Pip	e S	ingles											+	-									
MDC LOC		Ga	DDC lled	Ke Wei	e S Ily Down Total htt of DC		Ren	marks:																			
MDC LOC BRG	To S DR	Ga O Reason Pul tal Run (m.	DDC lled	Ke Wei	e S Ily Down Total Iht of DC of String	ingles	R	EDUCEI										Rema	rks:								
MDC LOC BRG	To S DR	Ga O Reason Pul tal Run (m.	DDC lled /hr)	Weight HOLE C	e S Illy Down Total Int of DC of String Up m	on	R				Depth	Boiler		ours Rur	1 0	DH 11	Stack Temp	SAF	rks:		Safety Topic			MEHL	MACP		