License No Well Name	PAGE SUMMARY	Tour Sheet Serial Number 0Y52529_20160329_1B Surface Location	Vendor Software Version   Pason   Prov   Loc Type   Uniqu	Year Month Day 2016 03 29 ue Well Id	DAILY CHECKS OP R  1) Daily Walk Around Inspection 2) Detailed Inspection - Weekly (Using Check List) 3) H2S Signs Posted if Required	CAODC
31603 ARCRES HZ PARKLAND 5-9-81  Operator  ARC RESOURCES	Cont	05-09-081-16W6 ractor CISION DRILLING, DIV OF PDCLP	BC   DLS   100/   Rig No   Well Type   529   HORIZ	/14-08-081-16W6/00 Re-Entry	4) Well Licence & Stick Diagram Posted 5) Flare Lines Staked 6) BOP Drills Performed 7) Visually Inspected BOPs - Flare Lines & Degasser Lines	
Operator's AFE 16DRL0033 Signature of Operator Representative	81 Signa	ractor's Job No ature of Contractor's Rig Manager	Spud Date Time  Rig Release Date	Time	Rig Site Health & Safety Meeting (one/crew/month)     CAODC Rig Safety Inspection Checklist (one/rig/month)     Mast Inspection before Raising or Lowering     Crown Saver Checked	Pason
	4 5 6 7	8 9 10 11 12			5) Motor Kills Checked 20 21 22 23 24 25	
Rig Drill Reaming Cor Tour 1 Tour 2 11.50	ring Cond Mud & Circ Trips Rig Service R	lepair Cut Off Dev Wireline Run Csg Rig Drilg Line Survey Logs & Cernent		Plug Squeeze Back Cement Fishing I	Dir ork         Safety ork         Tear Down         Waiting On Watch         Rig Watch         Other           0.50         8.00         0.50	Rig
Tour 3 1.00 Total 12.50					3.00 0.50 11.00	4.00   Wind Direction   Wind Strength   UP TO 19 KM/H   24.00   PAIR   PAIR   PAIR   PAIR   24.00   PAIR   PAIR   PAIR   24.00   PAIR
TOUR 1 SIGNATURE (		SYLVAIN ARSENAULT				END TIME 08:00
	No Component OD ID Length	MUD RECORD  Mud Type Water Oil Other	Time Depth Deviation Direction			ons in Sequence & Remarks
IADC Code Manufacturer		Time Density		00.00	0.00255 WO DATEGIT	
Type Serial No Jets		Funnel Viscosity Fluid Loss pH				
Depth Out (m) Depth In (m)		Location of Sample Depth PVT		r Flow Under Flow nsity Density		
Total Drilled (m)  Hrs Run Today		CIRCULATION Pump# Type Liner Size SPM Pressure Hours Run	Name Hall Belisty Bu	lisity Bonsty		
Cumulative Hrs Run Entry Date CUTTING STRUCTURE	Drill Pipe Stands	1 127 0 0 0 2 140 0 0 0	MUD MATERIALS ADDED Product	Amount Type		
TI Gage ODC ODC	Drill Pipe Singles  Kelly Down	Remarks:				
MDC Reason Pulled LOC Total Run (m/hr) BRG	Total Weight of DC Weight of String			Remarks:		
METRES DRILLED	HOLE CONDITION Hole Drag Up Down Down	REDUCED PUMP SPEED				
	Fill on Bottom	Pump No. Pressure Strokes/min Depth  @ @  @ @	Boiler Hours Run pH	Stack Temp SAFET	Y Safety Topic	MEHL MACP
	DRILLING ASSEMBLY	JOSH GILBERT	DEVIATION SURVEYS	TIME L	.og	END TIME 20:00
Bit Number Numbe	No Component OD ID Length	Mud Type Water Oil Other	Time Depth Deviation Direction	Type From To 08:00 08 08:30 16	:30 0.5021 SAFETY MEETING WITH TRUCKERS,CO	ons in Sequence & Remarks  DMPANY REP,RIG MANAGER AND BOTH CREWS  EDRAWWORKS,DERRICK FROM SUB AND PREP TO
Manufacturer Type		Density Funnel Viscosity		16:00 20	SPLIT.	LL DRAWWORKS,ALL LOADS ON NEW LOCATION
Serial No  Jets		Fluid Loss pH Location of Sample				
		Location of outspic	I SOLIDS CONTROL			
Depth Out (m)  Depth In (m)  Total Drilled (m)		Depth PVT		r Flow Under Flow Density Density		
		Depth	Equipment Name Run Density Der			
Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date CUTTING STRUCTURE	Drill Pipe Stands Drill Pine Singles	Depth	Equipment Hours Intake Over			
Depth In (m)   Total Drilled (m)   Hrs Run Today   Cumulative Hrs Run   Entry Date   CUTTING STRUCTURE   TI   Gage   TO   ODC   MDC   Reason Pulled   CUTTING REASON Pulled   COTTO	Drill Pipe Singles  Kelly Down Total	Depth	Equipment Name Hours Intake Pun Density Den	nsity Density		
Depth In (m)   Total Drilled (m)   Hrs Run Today   Cumulative Hrs Run   Entry Date   CUTTING STRUCTURE   TI   Gage   TO   ODC   MDC   Reason Pulled   LOC   Total Run (m/hr)   BRG   COMBON	Drill Pipe   Singles	Depth   PVT	Equipment Name Hours Intake Pun Density Den	nsity Density		
Depth In (m)	Drill Pipe Singles  Kelly Down Total Weight of DC Weight of DC Weight of String HOLE CONDITION Hole Drag Up Down orque at Bottom	Depth	Equipment Name Hours Intake Pun Density Den	Amount Type Remarks:		
Depth In (m)	Drill Pipe Singles  Kelly Down Total  Weight of DC  Weight of String  HOLE CONDITION  Hole Drag Up Down	Depth   PVT	Equipment Name Run Density Over Density Densit	Amount Type	Y Safety Topic	MEHL MACP
Depth In (m)	Drill Pipe Singles  Kelly Down Total Weight of DC Weight of String  HOLE CONDITION HOLE CONDITION HOLD TO DOWN Fill on Bottom Fill on Bottom	Depth   PVT	Equipment Hours Intake Over Den Strain Municipal Product  MUD MATERIALS ADDED Product  Boiler	Amount Type Remarks:	Safety Topic	MEHL MACP
Depth In (m)	Drill Pipe Singles  Kelly Down Total Weight of DC Weight of String  HOLE CONDITION HOLE CONDITION HOLD TO DOWN Fill on Bottom Fill on Bottom	Depth PVT  CIRCULATION Pump# Type Uner Size SPM Pressure Nours Run 1 127 0 0 0 2 1140 0 0 0  Remarks:  REDUCED PUMP SPEED Pump No. Pressure Strokes/min Depth 2 0 0 0 0  SYLVAIN ARSENAULT  MUD RECORD Mud Type Water 0 0 1	Equipment Hours Intake Over Den Strain Municipal Product  MUD MATERIALS ADDED Product  Boiler	Amount Type  Remarks:  Stack Temp  Time L  Type  From To	Safety Topic   START TIME   20:00	END TIME 24:00 uns in Sequence & Remarks
Depth In (m)	Drill Pipe Singles  Kelly Down Total Weight of DC Weight of String Hole E GONDITION Hole Drag Up Down Fill on Bottom  DF DRILLER  DRILLING ASSEMBLY	Depth PVT  CIRCULATION Pump# Type Uner Size SPM Pressure Yours Run  1 127 0 0 0 2 1140 0 0 0 Remarks:  REDUCED PUMP SPEED Pump No. Pressure Strokes/min Depth  2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Equipment Name Run Intake Over Der State Pensity Over Der State Pensity Der State Pensity Der State Pensity Der Der Der State Pensity Der	Amount Type  Remarks:  Stack Temp  TIME L	START TIME	END TIME 24:00 uns in Sequence & Remarks
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License		Well Na		FRON'		GE SUN	ЛМАР	Υ			OY5252 Surfa	Sheet Seria 29_2016033 ce Location 081-16W6		Vi Pa		Prov	rsion Loc Type DLS	Unique	Well Id		onth Da	30 1 2 3	) Daily Walk ) Detailed In () H2S Signs () Well Licen	Around In spection Posted if	nspection - Weekly Require	n (Using Cho d	eck List)	OP R	EM (	CA	d D	2
Operato ARC RE Operato 16DRL0	SOURCE or's AFE	s							Contract 81	ION DRIL tor's Job I	LING, DIV OF F	DCLP			Rig No 529		Well Type HORIZ Spud Date	Time		10110/00	Re-E	ntry 5 6 7 1 2 3	i) Flare Lines i) BOP Drills i) Visually Insp i) Rig Site He i) CAODC Rig i) Mast Inspe	s Staked Performe pected B0 ealth & Sa g Safety In ection bef	ed IPs - Flar afety Mer nspection fore Rais	e Lines & De eting (one/o n Checklist	rew/month) (one/rig/mo	nth)	ŀ	oas	on	>
Maddisc	n Mike		2	3	4	5	6	7	Sheldon			11	12	13	14	15	16			18	19	20	) Crown Sav ) Motor Kills 21	Checked	ted i	23	24	<sub>ss</sub>		Kelly Bushing	Pason Op 0.0	Fuel 00
Tour Tour			Orill ctual	Reaming	Coring	Cond Muc & Circ	Trips	Rig Servic	Repa e Rig		Off Dev Line Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillste Test		g Sc ck C	queeze ement	Fishing	Dir Work	Safety Meetin	g Do		Waiting On 8.00	Rig Watch	Other	<b>TOTA</b> 8. 12.	Rig 00 ff Time	9 08:00 4712.00 Boi 05:00 Ten Conditions AR	HOURS
F Tour		2.25 3.50																					1.			8.00			4.	00 II S	rection Wir	nd Strength P TO 19 KM/H
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BITS	Bit Num	nber			No	Compone				MUD	Mud Type 0	Water	Oil 🗌	Time D					Туре		From 00:00	To 08:00	Elapsed 8.00	$\overline{}$	W/O DA	YLIGHT	Details o	f Operatio	ns in Seque	nce & Rema	rks	
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	Serial	Type I No Jets			F					FUN	rel Viscosity Fluid Loss pH																					
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	ative Hrs I Entry D	Date	2211							1 2	127 140	0	0 0	MUD		RIAL Product	S ADD		Amount	Туре												
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TOU	JR 2	:	SIGI	NATURI	_	RILLING		MPIV		MILID	RECORD	JOS	H GILBERT	DEVI	ATION	CIID	VEVE				TIME	E LOC		ART T	IME		08:00		END TI	ME	20:00	·
ыгэ	Bit Num	nber			No					MOD	Mud Type	Water	Oil 🗌	Time D					Туре		From 08:00		Elapsed 0.25	$\overline{}$	SAFETY	MEETIN				nce & Rema		
ı	IADC C Manufacti	urer			E					Eun	Time Density nel Viscosity											08:45 09:00	0.50 0.25	21 5	SAFETY	MEETING		KERS,COM		IG MANAGER	AND BOTH C	REWS/ON
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	Depth Out				E					Locatio	on of Sample Depth PVT			SOLII Equipi		Hours Run	Intake Density	Over Flo		nder Flow Density	-	18:00	5.00	1 r	ig up to		ver cords/r			errick for rais	ng	
To	Depth In tal Drilled Irs Run To	(m)			F			+			JLATION Type Liner Size	SPM Pres	sure Hours Rur		iic	nun	Deliaity	Delian	Ly I	Delisity	18:00 18:15	18:15 20:00	0.25 1.75						L LINE/ COF	CK/ REVIEW	COP 1-11.	
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ı	IADC C Manufacti T				F					Fun	Time Density nel Viscosity										21:30	23:30	2.00	F	PIPE,V-	DOOR.SE				ND RAILS DRA		
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				+	11	ue at Bottom I on Bottom				ump No.	Pressure Str	okes/min @ @	Depth	Boile Boiler		Hours Ru	ın	pH 1	Stac	k Temp	SAF	/ER SUB	.,v 10RU		fety Top		_n ooku.k	LLL I IIUSE		MEHL		ACP
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Licanaa Na	Wal	I Name	FRON	T PA	GE SUM	IMAR	Y			0Y525	Sheet Seria		Vendor Pason	Software Ve			2016	lonth D	31 1)	DAILY C Daily Walk Ard Detailed Inspe	und Inspect ction - Wee	tion kly (Using Che	M	PRM ss RM ss		<u> </u>	
License No 31603 Operator			ARKLAND 5-	9-81-16				Contra	actor		os1-16W6		Rig N	BC [	Loc Type DLS Well Type	Unique Well 100/14-08-0		Re_E	4)	) H2S Signs Pos ) Well Licence & ) Flare Lines St ) BOP Drills Per	Stick Diag		М	RM ss	6		
ARC RESOUR Operator's AF									ISION DRILL actor's Job N	ING, DIV OF	PDCLP		529		HORIZ Spud Date 1					Visually Inspect	ed BOPs - F		_	ss	pa	950	n
Signature of		Represen	tative							actor's Rig Ma	anager				2016/03/31 1 Rig Release				2) 3) 4)	) CAODC Rig Sa ) Mast Inspectio ) Crown Saver (	fety Inspect in before Ra Checked	tion Checklist (	(one/rig/month	) ss ss		Pasor	1
Maddison Mike	1	2	3	4	5	6	7		on Sievert	10	11	12	13 14	15	16	17	18	19	20	Motor Kills Ch	22	23	24	25	Kel	ly Bushing 5.98	Op Fuel 1455.00
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Serv	g Re rice R	pair Cut Rig Drilg		Wireline Logs	Run Csg & Cement	Wait On Nipple Cement BO	Up Test P BOP	Drillster Test	n Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other T	OTAL B	13000	0.00 HOURS
Tour 1	8.00 1.00		_			2.2	_	0.25											4.2	_				0.75	8.00 12.00	Ourrent Condition PARTLY C Wind Direction	
Total Total	9.00	2.75 5.50				2.2		0.25 0.50											1.0 5.2					0.75	4.00 24.00	SE Road Condition FAIR	Wind Strength UP TO 19 KM/H
TOUR	1	SIG	NATUR	E OF	DRILLE	R					SYLVAIN A	ARSENAULT								STAR	т тім	E	00:00	EN	D TIME		08:00
BITS				_	ILLING A		_		MUD F	RECORD		011	DEVIATION			T. m.		_	E LOC	-							
	Number Size	1	27	No 9	Componer	nt OE	) ID	Length		. (	Water x Other	Oil 📙	Time Depth	Deviation	Direction	Тур	e	From 00:00	To 07:45	Elapsed Co 7.75 1B	RIG L	IP TOP DRI\	/E, PIN TOR	QUE TUBE,	Sequence & INSTALL ALL	POWER CO	
		KING DRE	EAM	$\blacksquare$			$\Box$			Time Density	06:00 1000																JB,INSPECT TOP ANGE OUT A FEW
Si	erial No	HT03GT	MLO110				$\Box$		Funr	nel Viscosity Fluid Loss	29s/l							07:45	08:00	0.251			T GRABBER S UP, CONDU		W LINE,WORK	ON CASING	PROTECTERS,
	Jets	15.9 15	.9 15.9 15.	9			$\Box$		Location	pH n of Sample	T4		SOLIDS	CONTR	OL												
Depth Depti	Out (m) n In (m)		13	0			+			Depth PVT	0m 24m3		Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density	$\  - \ $									
Total Dri Hrs Ru			13	0						LATION ype Liner Size	SPM Pres	ssure Hours Rur	CENTRIFUGE	0	0	0	(										
Cumulative I Ent		2016/03/3	2.2	5			$\blacksquare$		1 2	127 140	0	0 0	MUD MA	TERIAL	S ADD												
CUTTING			RE		Drill Pipe Drill Pipe		tands ngles			140			GEL	Product			nt Type 40 EACH										
TO MDC	١,		DC	1	Kelly Do		ingioo		Remarks:				NEWZAN TKPP				1 EACH 2 EACH										
LOC BRG	_	al Run (m/		8	Weight of	f DC							SAWDUST			1	00 EACH	Damari	DIO.	UP TRANSFI	D. I.N.E. T	O MUD TAN	11/				
METRES	_		won	_	Weight of St	DITIO			DEDIL	oed du	4D 0DE							RIG UP DE	RILL FLOOR	DERRICK POWI NE MANIFOLD CO	R,ST80 TON ONDUCTER.F	IG,HAND RAILS LOW LINE	DRAWWORKS (		PIPE,V-DOOR.SEF	RVICE LOOPS,RI	G UP FLAIR
From To	) D-	R-C RP	M WOB	$\neg$	e Drag Up e at Bottom	р	Down			Pressure St	rokes/min	Depth	Boiler					RIG UP TO NEW SAV	OP DRIVE. /ER SUB	NG ON PICK PIN TORQUE					AULIC HOSE B.	AILS,INSTALL I	-BOP,INSTALL
				Fill	on Bottom					@	@		Boiler #	Hours Ru	ın 8	pH S1	tack Temp 260	SAF	ΞΤΥ		Safety 1	Topic			MEHL		MACP
			ļ	_					Ш	@	@							WORK (	ON CASI	NG					16	.00kdaN	0kPa
TOUR	2	SIG	NATUR	_	DRILLE						JOS	SH GILBERT	i								т тім	E	08:00	EN	D TIME		20:00
BITS Bit N	lumber	2		No No	Componer			Y Length	MUD F	RECORD Mud Type	Water ×	Oil 🔲	Time Depth	DN SUR Deviation		Турі	е	From	E LOC	Elapsed Co	de		Details of O	perations in	Sequence &	Remarks	
IAD	Size C Code		27	$\dashv$	BIT MOTOR	27	$\rightarrow$	0.28m 8.81m		Time	Other		10:30 0m 13:45 57.66m	0 1.2	0 293.4			08:00	09:00 09:45	1.00 1 0.75 25	$\neg$		ONGS ELEV	ATORS/.	LIST		
Manuf		SICOTTE SS516GB			SIT BELL SUE		34 72 35 72	0.79m 9.22m	Funr	Density nel Viscosity	1040 31s/l		14:45 85.74m 15:45 113.82m	0.6 0.6	273.1 295			09:45	10:00	0.2521	SAFE	TY MEETING	G PRIOR TO	HANDLING	TOOLS/ CO		D TOOL/ JARS
Si	erial No Jets	14.3 14	1280 .3 14.3 14.	6 10	GAP SUB NON MAG SLIC	16	4 79	1.60m 9.13m		Fluid Loss pH			19:15 141.9m 19:45 169.98m	0.5 0.5	299.4 264.1			11:45	12:00	0.25 21	SAFET	Y MEETING/	PRESPUD N		/IEW CAODC		ERP PLAN/ PLAN
Depth			.3 14.3		JARS-HYD	16	6 71	5.49m 0.90m	Location		SHAKERS 73m		SOLIDS			0 51		12:00 14:15	14:15 15:30	2.25 2 1.25 6B	DRILL	. 279mm SU	FACE HOLE	FROM 0M-		I TIME	
	n In (m)		12	9 1	I HWDP	_	4 73	9.36m	CIRCU	PVT	25m3		Equipment Name CENTRIFUGE	Hours Run	Intake Density 1060	Over Flow Density	Density 1700	15:30	16:30	1.00 20	DIREC	CTIONAL W	ORK/CHANG	SE BIT			
Hrs Rui	n Today		0.5	0					Pump# Ty	ype Liner Size		ssure Hours Rur	CENTINI GOE	ļ .	1000	1000	1700	16:30	17:30 17:45	1.00 6A 0.25 21	SAFE	TY MEETING	G / CREW C	HANGE ME	WN LAST ST ETING	AND	
	ry Date	2016/03/3			D 111 D1	1			1ED 2CON 2ED	MBIN- 140		7000 5 7000 5	MUD MA	TERIAL	S ADD		int Type	18:15	18:15 19:45	0.50 2 1.50 20A	DIREC	CTIONAL SU		NNECTIONS			
TI		Ga	ige		Drill Pipe Drill Pipe	Si	ngles	140.40m 0.00m					TKPP	TTOUGUE		741100	4 SX	19:45	20:00	0.25 7	RIGS	ERVICE/INS	SPECT TOP	DRIVE/GRE	ASE WASH F	PIPE	
MDC		leason Pul		1		otal		-1.00m 184.98m	Remarks:	5																	
LOC BRG		al Run (m/	'hr)		Weight of Weight of St	ring		0kdaN 33kdaN										Remark	ks: INSF	PECT OVER I	HEAD EQ	UIPMENT/ T	OP DRIVE				
METRES From To		R-C RP	M WOB		<b>LE CON</b> e Drag Up			0	REDU	CED PUI	MP SPE	ED															
	$\overline{}$	RILL	50 10kdal	-11 10190	e at Bottom on Bottom		65	0.00m	Pump No.	Pressure St	@	Depth	Boiler Boiler #	Hours Ru	ın	pH St	tack Temp	SAF	ETY								
										@	@		396		0	11	260	MAKING	UP BHA	۸	Safety 1	Topic			MEHL 50	.00kdaN	MACP 0kPa
TOUR	3	SIG	NATUR	E OF	DRILLE	R					SYLVAIN A	ARSENAUL'								STAR	т тім	E	20:00	EN	D TIME		24:00
BITS					ILLING		MBL	.Y	MUD F	RECORD		110211102	DEVIATION	ON SUR	VEYS			TIMI	E LOC								
	lumber Size	2	27	No	Componer		) ID			Mud Type	Water x Other	Oil 🗌	Time Depth 20:15 198.06m			Тур	е	From 20:00	To	Elapsed Co	_			perations in	Sequence &	Remarks	
	C Code	SICOTTE		1	MOTOR BIT BELL SUE	20	14 0	8.81m 0.79m		Time Density	22:00		20:45 226.14m 21:15 254.22m	0.9 0.7	244.1 195.4			22:45	-	1.00 20A	DIREC		JRVEYS.CO	NNECTION '			
		SS516GB	1280	1	ON MAG SLICK MONE GAP SUB		5 72	9.22m 1.60m	Funr	nel Viscosity Fluid Loss	34s/l		21:45 282.3m 22:15 310.38m	0.9 0.9	194.9 125.4			25.40	24.00	0.237	INIO O	ERVICE TO	DRIVE				
0	Jets		.3 14.3 14.	3 1	NON MAG SLI MONE	ICK 16	5 72	9.13m	Location	pН	01111/500		22:45 338,46m 23:15 366.54m	9.0 8.0	126 135.5												
Depth		14.3 14		10	IARS-HYD	16	8 71	5.49m 0.90m	Location	Depth	SHAKERS		SOLIDS ( Equipment	Hours	Intake	Over Flow Density	Under Flow Density										
Total Dri			12	1 1	2 STANDS OF HWDP	11	4 73 4 73	9.36m 336.96m		LATION			Name CENTRIFUGE	Run 4	Density 1000	1000	1900										
Hrs Rui Cumulative I	Irs Run		2.2						1 CON	127		Soure Hours Rur															
Ent CUTTING		2016/03/31 RUCTU			Drill Pipe	Si	tands	29.25m	2 CON	/BIN- 140	125 16	5000 4	MUD MA	Product	S ADD		int Type				$\pm$						
TI TO		Ga			Drill Pipe Kelly Do		ngles	0.00m -1.00m	Remarks:									H			+						_
MDC LOC	_	leason Pul al Run (m/		-		otal		410.79m 0kdaN													$\pm$						
BRG METRES		`		НО	Weight of St	ring	ON	37kdaN												ECT RIG EC	_			OOKING UP	,TOLD WOR	KER TO LOC	OK UP AND LIVE
From To	D-		M WOB 50 12kdal	Hol		p 1	Down	1 1 000.00Nm		Pressure St		ED Depth								CONSUMED		0				. 230	
104111 4	ont D	HALL	Ju izkoal	11	on Bottom		150	0.00Mm 0.00m	and the	@ @	@	_ spui	Boiler #	Hours Ru	ın		tack Temp	SAF	ETY		Safety 1	onic			MEHL		MACP
V 1 2	$\pm$			1						@	@		396		0	11	280	CONNE	CTION		Januty I	-pio				.00kdaN	0kPa
V. 1.3																											1 0 5 7

License No		II Name			GE SUN	/IMAR	Y			OY5252 Surfa	Sheet Serial 29_2016040 ce Location		Vend Pason	or Software \	Version Loc Type	Unique W		04	01 1) 2) 3)	Daily Walk Ard Detailed Inspe H2S Signs Pos	ound Inspection - Wei sted if Requ	ction ekly (Using Ch uired	eck List)	OP RI		CAC	DC
31603 Operator ARC RESOUI Operator's Af 16DRL0033 Signature of	RCES		ARKLAND 5-	9-81-16	3			Contracto 81	N DRILLING	, DIV OF F			Rig 529	No BC	Well Type HORIZ Spud Date 2016/03/31 Rig Releas	Time	8-081-16W6/		Entry 6) 7) 1) 2) 3)	Well Licence & Flare Lines St BOP Drills Per Visually Inspect Rig Site Health CAODC Rig Sa Mast Inspection	aked formed ted BOPs = 1 h & Safety I afety Inspec on before R	Flare Lines & Do Meeting (one/o	crew/month) (one/rig/mor	ss	F	asc	
Maddison Mik		2	3	4	5	6	7	Sheldon S		10	11	12	13 1	14 15	Ů		18	19	20	Crown Saver ( Motor Kills Ch	Checked ecked	23	24	25		Pa: Kelly Bushing 5.98	Op Fuel 3500.00
Tour 1 Tour 2	Rig Up	Drill Actual 0.50	Reaming	Coring	Cond Mud & Circ 0.75	111ps 5 2.0	Rig Service 0 0.2		Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg & Cement 2.25 2.25	Wait On Cement E	OP B0	st Drillste IP Test		Squeeze Cement	Fishing	Dir Work 1.0	Safety Meeting 0 1.25 1.25	Tear Down	Waiting On	Rig Watch	Other	8.0 12.0	Rig 95	00:00 HOURS 00:00 Boiler 0.00 05:00 Temp 0.00 ditions
Tour 3 Total		0.50			1.25	5 2.0	0 0.2	25				4.50	4.00	_	4.00 4.75				1.0	0 2.50				0.75	4.0	D III S	on Wind Strength UP TO 19 KM/H
TOUR	1	SIG	NATUR	E OF	DRILLE	ER					SYLVAIN A	RSENAULT								STAR	T TIM	IE	00:00	E	END TIN	IE	08:00
BITS Bit I	Number	2		No		ent OI	D ID Le	ength	IUD REC	lud Type	Water x	Oil 🗌	DEVIAT Time Depti		بمحصب	1	уре	From	E LOC	Elapsed Co	ode		Details o	f Operation	ns in Sequen	ce & Remarks	
	Size OC Code	SICOTTE	27	1	BIT MOTOR BIT BELL SU	27 20 JB 16	4 0	0.28m 8.81m 0.79m		Time Density	01:00 1200							00:0	00:45	0.502 0.2520A 0.257	DIRE	L 279MM HO CTIONAL S SERVICE/LE	URVEYS,C	ONNECTION			
		SS516GB	1280	1 6 1	NON MAG SLI MONE GAP SUB	16 16	5 72	9.22m 1.60m	Funnel V		60s/I							01:0	01:15	0.255 0.2521	CIRC	CULATE HOL ETY MEETIN	E CLEAN	AT 458.5M	ITD		
Double	Jets	14.3 14 14.3 14		1	NON MAG SLI MONE JARS-HYD	16	6 71	9.13m 5.49m	Location of	-	SHAKERS		SOLIDS	CONTE	_			01:3		1.506B	TIGH	IT SPOT					LL TIME ,WASH ANY
	Out (m) th In (m) tilled (m)		45 12 33	9 1	X/O 1 HWDP 12 STANDS OF HWDP	15	4 73	9.36m 9.6.96m	IRCULA	Depth PVT			Equipmen Name CENTRIFUG	Run	Intake Density 8 120	Over Flow Density	Density	03:3	03:45	0.505 0.2521 0.506B	SAFE	ETY MEETIN	IG ON TRI	PPING OU	T REV COP:	2-5	P HIGH VIS SWEEP
	n Today		0.5	0	nwbr				mp# Type 1 COMBINED			sure Hours Run						04:1	_	0.2521 0.7520	SAFE	ETY MEETIN	IG WITH D	D ON HAN	DLE BHA	-	
CUTTING			RE		Drill Pipe			37.75m	2 COMBINED	140	125 16	500 3	MUD M	Produc			nount Type	00.4		0.5012A	SAFE		IG WITH P	OWER TO	NG CIRT # 2		0711 155 1700
TO MDC NO	1		DC NO		Drill Pipe Kelly D		-1	0.00m 1.79m Re 8.50m	emarks:				SAWDUST				50 EA			1.7512 0.2521	CHE	CASING 219 NGDE Casin ETY MEETIN	g. Landed	at 458.50m		s 219.1mm, 41.	67kg/m, J-55, LT&C
LOC A BRG	X To	tal Run (m		8	Weight of S	of DC		0kdaN 7kdaN																	D LEVEL RIC	;	
From To 410m 458	o D	-R-C RP	M W0B 55 12kdal	Но			Down		EDUCE			<b>⊒ D</b> Depth															
410111 430	5.5111	JKILL	55 12K0di	111014	on Bottom			0.00m	IIIp No. Troc	@ @	@ @	Бориг	Boiler #	Hours 96	Run	pH 11	Stack Temp	SAF	ETY		Safety	Topic			1	MEHL	MACP
										@	@					j		LEVEL	RIG							38.00kdaN	0kPa
TOUR BITS	2	SIG	NATUR	_	RILLING		MBLY	N	IUD REG	CORD	JOS	H GILBERT	DEVIAT	ION SU	RVEYS			TIM	E LOC	STAR	T TIM	IE	08:00		END TIN	E	20:00
	Number Size			No	Compone	ent OI	ID Le	ength	N	0	Water × ther	0il 🗌	Time Depti	Deviation	Direction	1	уре	From 08:0	_	Elapsed Co		DITION MUE			ns in Sequen	ce & Remarks	1
	OC Code facturer Type	H							Funnel V	Time Density	08:00 1150 66s/l	09:00 1140 48s/	1					08:3	0 08:45	0.2521 2.25120	СЕМ	ENTING 219	MM SURF	ACE CASI		4m3 H2O ahea	
S	erial No Jets			₽		$\mp$	+			id Loss pH	003/1	403/						#			over		Held. 4.5m	s cement re		ice. Plug dow	olug 4080 Kpa
	Out (m)								Location of	Sample s Depth PVT	458m	SHAKERS 458m	SOLIDS Equipmen	t Hours	Intake		Under Flo		15:15	4.00 13 0.25 21	SAFE	ON CEMEN	IG WITH W	ELDER			
Total Dri	th In (m) illed (m) in Today			₽		+			IRCULA mp# Type	TION	19m3 SPM Pres	18m3	CENTRIFUGI	Run	Density 0	Density	Density 0	0 16:0 16:1	16:15	0.75 25 0.25 21 2.50 14A	SAFE		IG PRIOR		UP/COP 5-:		LOW T/FLOWLINE.
	try Date								1 2	127 140	0	0 0	MUD M	ATERIA Produc			ount Type	18:4	19:15	0.2521 0.2521	SAFE	TY MEETIN	IG WITH SI	EMERRA P	PLAN FORWA PRESSURE 1	ESTING	
TI TO	4 SII	Ga	ige DC		Drill Pipe Drill Pipe Kelly D	Si	ngles		emarks:				DESCO	TTOULC	ı.	All	1	ev 10.11	19:45	0.50 15E	_	SSURE TES		ECK PRE-C	HARGE AND	FOR LEAKS-FU	NCTION TEST BOPs
MDC LOC	_	Reason Pul tal Run (m	led			Total			silidiks.													,					
BRG From To			M WOB		Weight of S	NDITIO			EDUCE	D DUIN	ID SDE	ED								HEAD EQUI		R STOPS/ L	IMITS				
rioiii i	0   0	-n-c nr	W WOD	Torqu	le Drag  ue at Bottom  on Bottom	<b>Лр</b>	Down		mp No. Pres			Depth	Boiler #	Hours	Dun	pH	Stack Temp	SAF	ETY								
				]				TE		@	@			96	0	11	Stack Tellip	0 NIPPLE	UP		Safety	Topic			1	MEHL 35.00kdaN	MACP 0kPa
TOUR	3	SIG	NATUR	E OF	DRILLE	ER					JA	SON GILES	\$							STAR	T TIM	IE	20:00	E	END TIN	E	24:00
BITS Bit I	Number	3		No	Compone Compone				IUD REC	1ud Type	Water x	Oil 🗌	Time Depti				уре	From		Elapsed Co				•		ce & Remarks	
	Size OC Code facture:	HALIBUR	TON	1		+				Time Density	20:00 1220							20:0	23:45	3.75 154	RAMS	S/LOWER PI	PE RAMS/B	LIND RAM	S/CHOKE LIN	IES/MANIFOLI	CR'S/ UPPER PIPE D LINES/STABBING 000 KPA LOW . ALL
	Type erial No		MM65	D		$\pm$			Funnel V	· · ·	30s/l							23:4	5 24:00	0.25 15E	TEST	TS 10 MIN H	IGH/LOW .	PT ANNUL	LAR. 10,500		
Donath	Jets								Location of	· -	SHAKERS		SOLIDS														2sec.T/O Each, 4 @ 15170kPa
	Out (m) th In (m) illed (m)		45	8		+		C	IRCULA	Depth PVT			Equipmen Name CENTRIFUGE	Run	Intake Density	Over Flow Density	Under Flo Density				+						
Cumulative			0.0	0				Pu	mp# Type	Liner Size	SPM Pres	Sure Hours Run															
Ent CUTTING					Drill Pipe Drill Pipe		tands ngles		2	140	0	0 0	MUD M	Produc			ount Type				+						
TO MDC		0 Reason Pul	DC led		Kelly E	Down Total	giv0	Re	emarks:				REACTION REDUCTION DEFOAMER				2 EA	CH CH			$\pm$						
LOC BRG		tal Run (m	'hr)		Weight of S	tring	211						DEFOAMER.				2 EA	CH Rema		CTION TRAV	_						E. 000
From T		-R-C RP	M WOB	Ho	DLE CON le Drag	Up [	Down		TEDUCE	D PUN		<b>⊒D</b> Depth						INSPE	CT CHOKE		S/KILL LIN	IES/ CHECK	MANIFOLD				FLOOR EQUIPMENT RE STACK IGNITER
$\pm$	1	$\pm$	$\pm$		on Bottom					@	@		Boiler #	Hours	Run	pH 11	Stack Temp	CAE	ETY		Safety				ı	MEHL	MACP
V. 1.3				J				L		@	@		1			T		Press.	est,BHA,1	Trip In							2811kPa

## AGENCY   1997	License No	W	ell Name	FRON	T PAC	GE SUM	IMAR'	Y			0Y525	Sheet Serial 29_2016040 ce Location		Vendor Pason	Software Ve		Unique Wel	2016		02 1	DAILY C 1) Daily Walk Ard 2) Detailed Inspects 3) H2S Signs Po	und Inspec ction - Wee	tion ekly (Using Che	eck List)	OP RIN		CAG	DC
Total   Company   Compan	Operator ARC RESOU Operator's A 16DRL0033	JRCES AFE			9-81-16				PRECI Contra 81	SION DRILLING ctor's Job No	G, DIV OF F	PDCLP			lo \	Well Type HORIZ Spud Date T 1016/03/31 12	ime 2:00	081-16W6/00		Entry 6 7	5) Flare Lines St 5) BOP Drills Per 7) Visually Inspec 1) Rig Site Healt 2) CAODC Rig Sa 8) Mast Inspecti	aked formed ted BOPs - I in & Safety I afety Inspect on before R	Flare Lines & De Meeting (one/o	egasser Lines crew/month) (one/rig/mon	MRM ss MRM ss MRM ss MRM ss	p		
The content of the		ke			4	5	6	7	Sheldo	n Sievert			12	13 14				18	19	5	6) Motor Kills Ch	ecked	23	24	25	_	Kelly Bushing 5.98	Op Fuel 2015.00
Total	Y Tour 1	Rig Up	Drill Actual 3.00	Reaming	Coring	Cond Mud	Trips	Rig Servic	50 Ri	g Drilg Lin	Dev Survey	Wireline	Run Csg	Wait On Nippl	e Up Test	Drillstem	Plug	Squeeze		Dir Work 2.5	Safety Meeting 50 0.75	Tear	Waiting	Rig		8.00	Rig 2793	35.00 Boiler 0.00 Temp 05:00 0.00
This can be compared to the	-		+	<del></del>			0.75	_	_	0.5	0																Wind Direction S Road Condition FAIR	Wind Strength UP TO 19 KM/H
The column	TOUR	R 1	SIG	NATUR	E OF	DRILLE	R					JA	SON GILES								STAR	т тім	IE	00:00	E	ND TIMI		08:00
March	BITS Bit	Numbe	r 3									Water x	Oil			Direction	Ту	pe	_			de		Details of	f Operations	s in Sequence	& Remarks	
Part		DC Cod	e		1 M	IOTOR	120	6 0	8.69m		Time	07:00		05:00 495.14m	0.7	270.54			00:15	01:45	1.5020	MAKE	E UP DIREC	TIONAL BI				
1		Тур	12273690		1 G	AP SUB	120	6 69	1.70m		Viscosity			06:00553.64m 06:30582.89m	0.7	186.4 198.3						REVI	EW COP 6-4	B-SLIP DR			CK CALIBRA	TION - FUNCTION
Section   Sect			s 7.9 7	9 7.9 7.	.9 1 N	M FLEX MO	NEL 11	7 69	9.26m		pН	SUCTION		07:30641.39m	0.8	142.9			03:00	03:15	0.2521	ВОР	DRILL WITH	CREW- W	ELL SECUI		OSITION-85s	econds,
The Control of the	Dep	oth In (m	)	45	$\neg$		134	4 62	-					Equipment Name	Hours	Intake Density	Density	Density		04:15	1.002C	-			CEMENT FL	OAT&SHOE -	FAG CEMENT	FLOAT COLLAR @
True	Hrs Ru	un Toda	y	2.0	0 1 X	/0	134	4 68	0.94m	Pump# Type	Liner Size			CENTRIFUGE	8	1200	1190	190	05:00	06:00	1.0020	ACCI	JMULATED,	DIRECTIO	NAL SURVE	EYS,WORK P		
Total   State   Stat	En	ntry Dat	2016/04/0	1							_		_	MUD MA		S ADDE		unt Type				ANNI	JLAR-19sec	.T/C			RAW WORKS	, FUNCTION
Minimal Processing   Minimal	TI		Ga	ge		Orill Pipe	Sir	_	9.75m	Remarks:									07:45			_					D	
Note   1	LOC	т			1	Weight o	f DC		0kdaN																			
March   Marc	METRE			M WOD	НОІ	LE CON	IDITIC	N		REDUCE	D DUB	ID SDE	ED						INSPEC	T TOP DR	IVE/ ELEVATO	RS/BALES	ALL OVERH	EAD EQUPI	MENT-INSPE			
		_			N Torque	at Bottom	P <u>1</u>	5000	0.00Nm	Pump No. Pre	essure Str	okes/min	Depth		I Harris Di			Ota de Tamas	INSPEC	CT ESCA				MANIFOLD	VALVE ALIG	INEMENT-FOR	CHONFLAR	E STACK IGNITER
DOILLING ASSESSION   To   For   To   Column   To   Decided   To						iii bottoiii j			0.00m		@			Bollet #		0			0		JP LINE	Safety '	Торіс					
The color of the	TOUR	2	SIG	NATUR	E OF	DRILLE	R					SYLVAIN A	RSENAULT								STAR	т тім	IE	08:00	E	ND TIMI		20:00
Second Color	BITS Bit	Numbe	r 3		_							Water x	Oil 🗆				Ty	pe	-			de		Details of	f Operations	in Sequence	& Remarks	
Serial	IAI	Siz DC Cod	e e		1 1B	IT IOTOR	17	1 0	0.24m		0	ther		08:15 699.89m	0.6	189.1			08:00	08:15	0.25 21	ВОР		DAY CRE	W REVIEW	KICK WARN		
March   Marc		Тур	12273690		1G	AP SUB	120	6 69	1.70m		Viscosity	1210		09:15 758.39m	0.7	44.1			16:00	16:15	0.257	RIG S	SERVICE FO	T UPPER I	PIPE RAM 4	4 SEC TO CL	OSE	
Depth of the			S 7.9 7	9 7.9 7.	.9 1N	M FLEX MO	NEL 11	7 69	9.26m		pН	SHAKERS		10:45 846.14m	1	80.3			18:45	19:00	0.2521	CREV	W CHANGE	SAFETY M	IEETING/PL	AN FORWAR	D	
March Despt			)		15	x 4.5" HWD	P 114	4 73 4	46.80m		Depth	1120m		Equipment	Hours	Intake			10.00	20.00	1.00	DIVIL.		JEE THOM	124111110	120011		
Total   Column   Co	Hrs Ru	un Toda	у	8.5	0 1X	/O	134	4 68	0.94m			SPM Pres	sure Hours Run	CENTRIFUGE	12	1212	1210	1900										
Tour 3   Signature of Diller	En	ntry Dat	2016/04/0	1										MUD MA		S ADDE		unt Type										
Research Pales   Whost of String   Second   Whost of String   Whost of String   Second   Whost of St	TI		Ga	ge		Orill Pipe	Sir	ngles	19.50m	Remarks:				REDUCTION	SCO			8 EACH	1	Н								
Material   Display   Dis	LOC	т			]	Weight o	f DC	129	90.00m					DYNAFIBER SAWDUST				8 EACH 50 EACH	1									
Comparison   Com	METRE			M WOR	НОІ	LE CON	IDITIO	N		PEDUCE	D PUI	ID SDE	ED.	WALNUT				4 EACH	INSPEC	T TOP DR	IVE/ ELEVATO	RS/ BALES	ALL OVERH	IEAD EQUPI	MENT-INSPE			
Column   C	675m 12	273m	DRILL	50 12kdal	N	at Bottom	p		0.00Nm	Pump No. Pro	essure Str	okes/min	Depth		Hours Du	un r	SU 1 6	Ctook Tomp	INSPE	CT ESCA					VALVE ALIG	NACINICIAL I O	011011112111	OMONIONIEN
BRILLING ASSEMBLY   No. Component   Oo   Discreption   Composition   Oo   Ook   Composition   Oo   Ook   O						an Dottom			0.0011									320	BOP DE	RILL		Safety '	Торіс				_	
Set Number     Set Number     Set Number     Set   S	TOUR	3	SIG	NATUR	E OF	DRILLE	R					JA	SON GILES								STAR	т тім	IE .	20:00	E	ND TIMI	=	24:00
MADIC Code	BITS Bit	: Numbe	r 3								Mud Type		Oil 🔲	Time Depth		Direction	Ту	ре				de		Details of	f Operations	s in Sequence	& Remarks	
Supplied   1279800   129080		DC Cod	е		1M	IOTOR	12	6 0	8.69m		Time	20:00		20:45 1314.14m	1.1	186.8			23:00	23:45	0.75 20/	ACCL	JMULATED,	DIRECTIO	NAL SURVE	EYS,WORK P		
Jets   7,9		Тур	12273690		1G	AP SUB	120	6 69	1.70m		Viscosity			22:15 1372.64m	1.7	243.3			23:45	24:00	0.25 7	_		SPECT/GRE/	ASE TOP DR	IVE & DRAW V	ORKS, FUNC	TION LOWER PIPE
Depth   Out   (m)   Depth   m   m   455   M/O   134   62   0.96m   m   M/O   134   62   0.96m   m   M/O   134   62   0.96m   m   M/O   M			s 7.9 7	9 7.9 7.	.9 1N	M FLEX MO	NEL 11	7 69	9.26m		pН	SHAKERS	SHAKERS	SOLIDS	CONTRO	DL				H								
Hrs Run Today	Dep	oth In (m	)		8 1X	/O	134	4 62			PVT			Equipment Name	Hours	Intake Density	Density	Density										
Standard   Structure   Structure   Standard   Structure   Struct	Hrs Ru	un Toda	у	3.0	0 1X	/0	134	4 68	0.94m	Pump# Type	Liner Size	_		CENTRIFUGE	4	1240	1180	1800										
Till	En	ntry Dat	016/04/01								_	_	_	MUD MA		S ADDE												
MDC	TI		Ga	ge		Orill Pipe	Sir		9.75m	Remarks:				DYNAFIBER				6 EACH 5 EACH	╝									
METRES DRILLED	LOC					Weight o	Total f DC		29.00m 0kdaN					REDUCTION ALKALIME				5 EACH	1									
1429m   1429m   DRILL   2Q   8kdah   Torque at Bottom   5500.00Mm   Full   5500.00Mm	METRE			M WOD	НОІ	LE CON	IDITIO	N		REDUCE	D РШ	IP SDE	ED						INSPEC	T TOP DR	IVE/ ELEVATO	RS/BALES	ALL OVERH	EAD EQUPI	MENT-INSPE			
2 2535 @ 50 @ 1416 396 0 11 290 Safety Topic MEHL MACP @ @ @	-	_		_	N Torque	at Bottom			0.00Nm	Pump No. Pro	essure Str	okes/min	Depth		Houre Do	ın .	Н	Stack Tomp	INSPE	CT ESCA					ALIG		SITT EAR	,skioniiek
	V. 1.3				-					2 253			1416			0	11			tions,Flui	d Transfer	Safety	Topic					-

FRONT PAGE SUMMARY License No Well Name	Tour Sheet Serial Number 0Y52529_20160403_1C Surface Location	Pason 2016 Prov Loc Type Unique Well Id	onth Day 03 DAILY CHECKS 1) Daily Walk Around Inspection 2) Detailed Inspection - Weekly (Using Check List) 3) H2S Signs Posted if Required	OP RM MRM SS MRM SS MRM SS CAODC
31603 ARCRES HZ PARKLAND 5-9-81-16  Operator ARC RESOURCES  Operator's AFE  IEDRIL0033  Signature of Operator Representative	05-09-081-16W6  Contractor PRECISION DRILLING, DIV OF PDCLP  Contractor's Job No 81  Signature of Contractor's Rig Manager	BC   DLS   100/14-08-081-16W6/00	4) Well Licence & Stick Diagram Posted 5) Fairer Lines Stake 16 BOP Drills Performed 7) Visually inspected 60°Ps - Flare Lines & Degasser Lines 1) Rig Site Health & Safety Meeting (one/crew/month) 2) CA0DC Rig Safety Inspection Checklist (one/crighm) 3) Mast Inspection before Raising or Lovering	pason pason
Maddison Mike CODE 1 2 3 4 5 6	Sheldon Sievert 7 8 9 10 11 12	13 14 15 16 17 18	4) Crown Saver Checked 5) Motor Kills Checked 19 20 21 22 23 24	SS Pason  Kelly Bushing   Op Fuel   2856.00
Rig   Drill   Reaming   Coring   Cond Mud   Trips   S   Tour 1   7.00	Rig Repair Cut Off Dev Wireline Run Csg rvice Rig Drilg Line Survey Logs & Cement  0.25 0.25		Sishing   Dir   Safety   Tear   Waiting   Rig   On   Watch	Other TOTAL 8.00   File   05:00   HOURS   69   25079.00     60ier   0.00     60ier   0.00   60ier   0.00     60ier   0.00
Tour 3 2.25 1.50 Total 11.00 2.25 0.50 5.75	0.25 0.75		2.75 1.00	4.00 24.00 24.00  4 Wind Direction Wind Strength UP TO 19 KM/H Road Candition GOOD
TOUR 1 SIGNATURE OF DRILLER	JASON GILE	S	START TIME 00:00	END TIME 08:00
	Length Mud Type Water x Oil	DEVIATION SURVEYS Time   Depth   Deviation   Direction   Type		of Operations in Sequence & Remarks
Size	0.24m			M 1429m TO 1591m  NAL SURVEYS, WORK PIPE AND CONNECTIONS  GREASE TOP DRIVE & DRAW WORKS, FUNCTION
Type 12273690 1 GAP SUB 126 6 Serial No MM65D 1 NM FLEX MONEL 120 6	1.70m Funnel Viscosity 30s/l 30s.		ANNULAR-19sec.T/C 06:00 07:4\$ 1.752 DRILL 171mm HOLE FROM	
Jets         7.9         7.9         7.9         7.9         1 NM FLEX MONEL         117         6           7.9         7.9         1 V/O         134         6           Depth Out (m)         1 5 x 4.5° HWDP         114         7	0.94m Location of Sample SHAKERS SHAKERS		07:45 08:00 0.25 21A SOUR BOP DRILL WITH CREW!	S,WELL SECURED IN 103 SECS,CREW POSITIONS AND ROUTE
Depth In (m) 458 1X/O 134 6  Total Drilled (m) 1179 1 JARS-HYD 166 5	0.96m PVT	Equipment   Hours   Intake   Over Flow   Under Flow   Density   Density   Density   Density   The Property   The Property		
Hrs Run Today         7.00         1 k/O         134         6           Cumulative Hrs Run         20.00         132 x 4.5" HWDP         114         7	299.52m 1 SINGLE 127 0 14000 (	MUD MATERIALS ADDED		
Entry Date   2016/04/01	2SINGLE 140 105 14000 1 1228.50m 9.75m	Product         Amount         Type           NEW WASH         2         EACH		
TO         ODC         Kelly Down           MDC         Reason Pulled         Total	5.00m Remarks: 1636.39m	REDUCTION   2   EACH   SAWDUST   20   EACH   WALNUT   6   EACH		
LOC	OkdaN 64kdaN	DEFOAMER DSCO 2 EACH	Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN S	
From To D-R-C RPM WOB Hole Drag Up 2 D	REDUCED PUMP SPEED 4500.00Nm Pump No. Pressure Strokes/min Depth	Boiler	INSPECT TOP DRIVE/ ELEVATORS/ BALES/ ALL OVERHEAD EQUP INSPECT CHOKE LINES/HCR'S/KILL LINES/ CHECK MANIFOLD INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL	
Fill on Bottom	0.00m 2 2675 @ 50 @ 1592	Boiler # Hours Run pH Stack Temp  396 0 11 250	SAFETY Safety Topic	MEHL MACP 62.00kdaN 2811kPa
TOUR 2 SIGNATURE OF DRILLER	SYLVAIN ARSENAUL		Connections, Fluid Transfer  START TIME 08:00	
BITS DRILLING ASSEMB	LY MUD RECORD	DEVIATION SURVEYS Time Depth Deviation Direction Type	TIME LOG	(0
Bit Number   4   No   Component   OD   ID	Length   Mud Type   Water   X   Oil   Other     0.24m   Time   11:00	Time Deput Deviation Direction Type	08:00 12:00 4.002 DRILL 171MM HOLE FROM	of Operations in Sequence & Remarks 11637M TO 1709M CONNECTION TIME/DOWNLINK
Manufacturer         SMITH         1NON MAG SLICK MONE         120 6           Type         MDSIR71         1GAP SUB         126 6	9.32m Density 1220 1.70m Funnel Viscosity			PERAM 4 SEC TO CLOSE/CHANGE OUT GRABBER BOX
Serial No	9.26m pH	SOLIDS CONTROL	13:30   14:00   0.505   CIRCULATE HOLE CLEAN   14:00   14:15   0.25   21   SOUR BOP DRILL WITH CREW   PLAN CONDUCTED.	S,WELL SECURED IN 99 SECS,CREW POSITIONS AND ROUTE
Depth Out (m) 1709 1X/O 134 6	46.80m Depth 1686m	Equipment Name Run Density Density Under Flow Density	14:15 17:30 3.25 6B TRIP OUT OF HOLE FLOW CHE	ECK ON BOTTOM AND @ 1562M,805M@TOOLS @0M,TRIP CAL 5M3 DIFF WAS1.42M3 FCT BLIND RAM 4 SEC TO CLOSE
Total Drilled (m)	0.94m Pump# Type Liner Size SPM Pressure Hours Ru	CENTRIFUGE 12 1220 1220 1900	17:30 17:45 0.25 21 SAFETY MEETING WITH D 17:45 18:45 1.00 20 DIRECTIONAL WORK, CHANG	ID ON HANDLE BHA GE OUT GAP SUB DIAL MOTOR TO 2.38, INSTAL INC. SUB,
Cumulative Hrs Run	299.52m 1SINGLE 127 0 15000 0 2SINGLE 140 105 15000 0	MUD MATERIALS ADDED Product Amount Type	18:45 19:00 0.2521 CREW CHANGE SAFETY N	MEETING/PLAN FORWARD 0 min. FLOW CHECK @ 480m
TI	5.00m Remarks:	DYNAFIBER         6         EACH           SAWDUST         34         EACH           WALNUT         4         EACH		
MDC         Reason Pulled         Total           LOC         Total Run (m/hr)         Weight of DC           BRG         Weight of String	1636.39m 0kdaN 64kdaN	CAL CARB 'O'	Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN \$	SAVER
METRES DRILLED	REDUCED PUMP SPEED	ALKALIME 2 EACH	INSPECT TOP DRIVE/ ELEVATORS/ BALES/ ALL OVERHEAD EQUP INSPECT CHOKE LINES/HCR'S/KILL LINES/ CHECK MANIFOLD	IMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT
1637m 1709m DRILL 40 14kdaN Torque at Bottom Fill on Bottom	0.00m Pump No. Pressure Strokes/min Depth  @ @ @  @ @	Boiler Hours Run pH Stack Temp	INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL  SAFETY  Safety Topic	MEHL MACP
	@ @	396 12 11 260	SCRUBING AND CLEANING	65.00kdaN 2811kPa
TOUR 3 SIGNATURE OF DRILLER  BITS DRILLING ASSEME	JASON GILE  LY MUD RECORD	DEVIATION SURVEYS	START TIME 20:00	END TIME 24:00
Size 171 1BIT 171	Length Mud Type Water Oil Other	Time Depth Deviation Direction Type	20:00 21:30 1.50 6A TRIP IN HOLE FROM 480m	of Operations in Sequence & Remarks TO 1140m, FLOW CHECK/FILL PIPE @ 862m
IADC Code		-	21:30   23:45   2.25   3C   REAM - OPEN HOLE FROM   23:45   24:00   0.25   7   RIG SERVICE - INSPECT & GR	M 1140m TO 1650m REASE TOP DRIVE & DRAW WORKS-FUNCTION LOWER PIPE
Serial No	1.69m Fluid Loss		IVANIO-436C.17C	
7.9 1 1NM FLEX MONEL 117 6  Depth Out (m) 1X/O 134 6  Depth In (m) 1709 15 x 4 5 HWDP 114 7	0.94m Depth	SOLIDS CONTROL  Equipment Hours Intake Over Flow Under Flow Name Run Density Density Density		
Depth In (m)   1709   15 x 4.5" HWDP   114   7	0.96m CIRCULATION			
Cumulative Hrs Run 0.00 1½/O 134 6 Entry Date 2016/04/03 132 x 4.5" HWDP 114 7	0.94m 1SINGLE 127 0 8875 0 299.52m 2SINGLE 140 105 8875 2	MUD MATERIALS ADDED  Product   Amount   Type		
TI	1316.25m 0.00m -1.73m Remarks:	- Amount Type		
MDC         Reason Pulled         Total           LOC         Total Run (m/hr)         Weight of DC	1709.00m			
	68kdaN REDUCED PUMP SPEED		Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN S INSPECT TOP DRIVE/ELEVATORS/BALES/ALL OVERHEAD EQUP INSPECT CHOKE LINES/HCR'S/KILL LINES/ CHECK MANIFOLD	IMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT
From         To         D-R-C         RPM         WOB         Hole Drag         Up         1         Di           1140m         1650m         REAM         20         5kdaN         Torque at Bottom           Fill on Bottom	1.00Nm Pump No. Pressure Strokes/min Depth 2 1962 @ 50 @ 86:	Boiler Boiler Hours Run pH Stack Temp	INSPECT CHOKE LINES/HCRS/KILL LINES/ CHECK MANIFOLD INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL SAFETY	
V13	2 1995 @ 50 @ 168	1 396 0 11 300	Safety Topic Trip In, Connections	MEHL   MACP   100.00kdaN   2811kPa

License No Well Name	FRONT	PAGE SU	MMAR	Y			0Y5252	Sheet Serial 29_2016040 ce Location	14_1A	Vendor Pason	Software Ve		Unique Wel	2016		04 1 2 3	DAILY C ) Daily Walk Aro ) Detailed Inspe ) H2S Signs Pos	und Inspec ction - Wee ted if Requ	tion ekly (Using Che iired	eck List)	OP RIN SDK MR		CAC	DC
31603 ARCRES HZ Operator ARC RESOURCES Operator's AFE 16DRL0033 Signature of Operator Repres	PARKLAND 5-9	-81-16			Contractor 81	N DRILLING, 's Job No	DIV OF P			Rig N 529	0 \\ 1	Nell Type HORIZ Spud Date T 016/03/31 1: Rig Release	ime 2:00	081-16W6/00		Entry   5 6 7 1 2 3	) Well Licence & ) Flare Lines Sta ) BOP Drills Per ) Visually Inspect ) Rig Site Health ) CAODC Rig Sa ) Mast Inspectic	aked formed ed BOPs - F n & Safety M fety Inspec in before R	Flare Lines & De Meeting (one/c tion Checklist	egasser Lines crew/month) (one/rig/mon	nth)	]	asc	
Maddison Mike  CODE 1 2	3	4 5	6	7	MARC RA		10	11	12	13 14		16	17	18	19		) Crown Saver ( ) Motor Kills Ch		23	24	MR_ <b>25</b>		Pas Kelly Bushing 5.98	Op Fuel 3476.00
		Coring Cond Mu & Circ		Rig Service 0.2	5	Cut Off Drilg Line	Dev Survey		Run Csg & Cement	Wait On Cement BO		Drillsten Test	n Plug Back	Squeeze Cement	Fishing	Dir Work 1.7		Tear Down	Waiting On	Rig Watch	Other	<b>TOTAL</b> 8.00 12.00	Rig 173	08:00 HOURS 82.00 Boiler 0.00 05:00 Temp -2.00 litions CLOUDY
Tour 3	.75 .75 0.25			0.2	5											1.0	0					4.00 24.00	Wind Direction SW Road Condition GOOD	n Wind Strength UP TO 19 KM/I
TOUR 1 si	GNATURE	OF DRILL	ER					JA	SON GILES								STAR	T TIM	E	00:00	E	ND TIM	E	08:00
BITS Bit Number 4			ent OD	ID Lei	ngth	UD REC	lud Type	Water ×	Oil	Time Depth	Deviation [	Direction	Туј	pe	TIM From	E LO	Elapsed Co	de		Details of	Operations	s in Sequenc	e & Remarks	
Size IADC Code Manufacturer SMITH	171	1 BIT 1 MOTOR 1 INC SUB	17 12 12	6 0 8	0.24m 3.69m 1.35m	Г	Time Density	02:00 1230	05:30	01:15 1714.23m 02:30 1723.98m 03:30 1733.73m	2.7 4.8 7.3	304.5 278.5 277.9			00:00	00:15 03:15 05:00	0.253C 3.002 1.7520A	DRIL	L 171mm HC	OLE FROM	1709m TO	1768m	PIPE AND CO	NNECTIONS
Type MDSIR:	71 JJ8293	1 NON MAG S MONE 1 GAP SUB		0 69 9	9.32m 1.69m	Funnel Vis		30s/l	30s/	04:30 1743.48m 05:30 1753.23m 06:30 1762.98m	9.1 11.4 13.8	280.8 278.9 277			05:00	05:15	0.257	RIG S		NSPECT/G				S, FUNCTION
Jets 7.9 7.9	7.9 7.9 7.9	1 NM FLEX M	IONEL 11	7 69 9		Location of S		SHAKERS	SHAKERS	07:30 1772.73m SOLIDS	15.4	276.4 DL			05:15 07:45	07:45	2.502 0.2521	_	L 171mm HC W CHANGE			1780M _AN FORWAI	RD	
Depth Out (m)  Depth In (m)  Total Drilled (m)	1709	1 X/O 1 5 x 4.5" HW	DP 11	4 73 4	0.94m 6.80m	RCULA1	Depth PVT			Equipment Name CENTRIFUGE	Hours Run 8	Intake Density 1240	Over Flow Density	Under Flow Density 180	0									
Hrs Run Today Cumulative Hrs Run	5.50 5.50	1 JARS-HYD 1 X/O	16	6 57 5		np# Type 1 SINGLE	Liner Size		sure Hours Rur															
Entry Date 2016/04		1 32 x 4.5" HV 47 Drill Pipe 0 Drill Pipe	St	tands 1374	9.52m 4.75m	2SINGLE	140	123 14	1200 8	MUD MA	Product	S ADDE		unt Type 20 EACH										
TO Reason F	ODC	1	Down Total	1	0.00m 1.00m Re 0.23m	marks:				DYNAFIBER DEFOAMER DS	SCO			8 EACH 4 EACH 1 EACH	1									
LOC Total Run (		Weight Weight of	String		)kdaN					Protection 20L I CALCIUM NITE PREVENTION	Pail			1 EACH 20 EACH 1 EACH	H Remar	_	CTION TRAV	_						
NETRES   DRILLED     From   To   D-R-C	RPM W0B 20 5kdaN	1		Down 6500.		DUCE			E <b>D</b> Depth	REACTION REDUCTION				1 EACH	INSPEC	T CHOKE		KILL LIN	ES/ CHECK N					LOOR EQUIPMENT E STACK IGNITER
1709m 1780m DRILL	25 11kdaN	Torque at Bottom Fill on Bottom			0.00m	2 1681	@	50 @	1995	Boiler #	Hours Ru	n j	pH 5	Stack Temp 33	SAF			Safety 1				M	EHL	MACP
							@	@							Trip In,	Connection	ons, Fluid Tra						70.00kdaN	2811kP
TOUR 2 SI BITS	GNATURE	OF DRILL DRILLING		MBLY	M	UD REC		SYLVAIN A	RSENAULT	DEVIATION	ON SUR	VEYS			ТІМ	E LO	STAR	T TIM	E	08:00	E	ND TIM	E	20:00
Bit Number 4 Size	171	No Compor	17		).24m	M	0	Water × ther	Oil 🗌	Time Depth 08:15 1782.48m 09:00 1792.23m	Deviation I	278.4 280.4	Тур	ре	98:00		Elapsed Co 6.50 2		_ 171MM HC			s in Sequence 1854m	e & Remarks	
IADC Code  Manufacturer SMITH  Type MDSIR:		1 MOTOR 1 INC SUB 1 NON MAG SI	12 12 LICK 12	7 45 1	3.69m 3.35m	E Funnel Vis	Time Density scosity	08:00 1230	11:00	10:00 1801.98m 10:45 1811.73m	20.6 21.7	286 289.9			16:30 16:45	16:30 16:45	2.00 20A 0.25 7 3.00 2	RIG S	CTIONAL SU SERVICE FO L 171mm HC	T UPPER I	PIPE RAM	4 SEC TO CL	OSE	
Serial No	JJ8293 7.9 7.9 7.9	1GAP SUB 1NM FLEX M	12	6 69 1	.69m 9.27m		id Loss pH			11:30 1821.48m 12:30 1831.23m 13:15 1840.98m	24.1 25.3 27.1	292.6 296.2 298.5			19:45		0.25 21		V CHANGE		100411110	1314111		
Depth Out (m)  Depth In (m)	1709	1NM FLEX M 1X/O	13	4 61 0	).94m	Location of S	Depth PVT	SHAKERS	1817n	SOLIDS ( Equipment Name	Hours Run		Over Flow Density	Under Flow Density										
Total Drilled (m) Hrs Run Today	205 9.50	15 x 4.5" HW 1X/O 1JARS-HYD	DP 11 13	4 62 0		RCULAT	TION	SPM Pres	97m3	CENTRIFUGE	12	1230	1230	190										
Cumulative Hrs Run Entry Date 2016/04		1X/O 132 x 4.5" HV		4 68 0 4 73 299	).94m ).52m	1SINGLE 2SINGLE	127 140		2500 3 2500 9	MUD MA	TERIAL Product	S ADDE		unt Type										
CUTTING STRUCT	Gage ODC	52 Drill Pipe 0 Drill Pipe Kelly		ngles (	0.00m 0.48m Re	marks:				REACTION JET LUBE	1100001		74110	1 EACH 2 EACH 1 EACH	1									
MDC Reason F LOC Total Run (	Pulled	Weight	Total of DC		1.00m	marks.				DYNAFIBER SAWDUST REDUCTION				8 EACH	1									
BRG	RPM WOB	HOLE CO	NDITIO		2kdaN	EDUCE	D DUM	ID SDE	ED	PREVENTION				1 EACH	INSPEC	T TOP DR		RS/BALES	ALL OVERH	IEAD EQUPI	MENT-INSPE			LOOR EQUIPMENT
1780m 1914m DRILL	25 14kdaN	Torque at Bottom Fill on Bottom	ор	6500.			sure Str	okes/min 60 @	Depth 1880	Boiler Boiler #	Hours Ru	n l	pH S	Stack Temp	INSPE		PE BUGGY/				VALUE ALIC	JACIMENT TO	TOTION LAN	E OTNORTONITE
					F	1 6800	@	60 @ @	1880	396		0	11	33	CONFI	NED SPA	CE DRILL	Safety 1	Topic			M	73.00kdaN	MACP 2766kP
TOUR 3 si	GNATURE	OF DRILL						JA	ASON GILES	5							STAR	T TIM	E	20:00	E	ND TIM	E	24:00
BITS Bit Number 4		No Compon	ent OD	ID Le	ngth	UD REC	lud Type	Water 🗴	Oil 🗌	Time Depth 20:45 1918.98m			Ту	ре	From	_	Elapsed Co	_			•	s in Sequence	e & Remarks	
Size IADC Code Manufacturer SMITH	171	1BIT 1MOTOR 1INC SUB	17 12 12	6 0	0.24m 8.69m 1.35m		Time Density	20:00	23:45	21:45 1928.73m	46.5 47.2	300.4 300.3			20:00 22:15 23:15		2.25 2 1.00 20A 0.25 7	ACCL		DIRECTIO	NAL SURVE	EYS,WORK F	PIPE AND CO	NNECTIONS TION LOWER PIPE
Type MDSIR: Serial No	JJ8293	1 NON MAG SLI MONE 1 GAP SUB	12 12	6 69	9.32m 1.69m	Funnel Vis Flui	id Loss	30s/l	30s/	11 1 1					┰	24:00	0.502	RAMS	S-4sec.T/C _ 171mm HC					
Jets 7.9 7.9 Depth Out (m)	7.9 7.9 7.9	1NM FLEX N		7 69		Location of S	pH Sample :	SUCTION	SHAKERS	SOLIDS														
Depth In (m) Total Drilled (m)	1709 238	1X/O 15 x 4.5" HW 1X/O	DP 11 13	4 73 4	0.94m 6.80m 0.96m <b>C</b>	RCULAT	PVT			Equipment Name CENTRIFUGE	Hours Run 4	Intake Density 1250	Over Flow Density 1180	Under Flow Density 180										
Hrs Run Today Cumulative Hrs Run	2.75 17.75	1	16 13	4 68	0.94m	1SINGLE	127	0 10	Sure Hours Rur 0945 0	MUD MA	TERIAL	C ADDI												
Entry Date 2016/04		132 x 4.5" HV 53 Drill Pipe 0 Drill Pipe	St	tands 155	9.52m 0.25m 0.00m	2SINGLE	140	113 10	945 4	SAWDUST	Product	S ADDI	Amo	unt Type 20 EACH										
TO MDC Reason F	ODC Pulled	Kelly	Down Total		$\neg$	marks:								$\pm$	E									
BRG Total Run (		Weight Weight of HOLE CO	String		2kdaN												CTION TRAV					CT NOV CT CC	8 ALL DO!!! 7	LOOR EQUIPMENT
	RPM W0B 25 14kdaN			Down 6800.		DUCE np No. Press	sure Str	okes/min	Depth	Boiler					INSPEC	T CHOKE		KILL LIN	ES/ CHECK N	MANIFOLD '				E STACK IGNITER
		Fill on Bottom			0.00m	2 3560	@ @	60 @ @ @	19441	Boller #	Hours Ru	n j	pH 5	Stack Temp 30	0	ETY		Safety 1	Торіс				EHL	MACP
V.1.3		I					₩	W		][					Connec	uons,							75.00kdaN	2721kP

FRONT PAGE SUMMARY License No Well Name	Tour Sheet Serial Number DY52529_20160405_1A Surface Location	Pason         2016         0-           Prov         Loc Type         Unique Well Id	4 05 1) Daily Walk Around Inspection 2) Detailed Inspection - Weekly (Using Check List) 3) H2S Signs Posted if Required PB	CAODC
Operator's AFE Contract 16DRL0033 81 Signature of Operator Representative Signature	SION DRILLING, DIV OF PDCLP ctor's Job No ure of Contractor's Rig Manager	BC   DLS   100/14-08-081-16W6/00	4) Well Licence & Sitick Diagram Posted PB   Flare Lines Stake   Flare Lines & Degasser Lines   Flare Lines & Degasser & Degasser & Degasser & Degasser & Degasser & Degasser	MR Pason
CODE 1 2 3 4 5 6 7 8		Mait On Minnle Un Toot Drilleton Dive Covers	5) Motor Kills Checked  19 20 21 22 23 24 2	Cely Bushing
Up   Actual   Nearling   Coring   & Circ   Inps   Service   Rig		Cement BOP BOP Test Back Cement Fit	Work   Meeting   Down   On   Watch   Ul	### TOTAL   Reg   Boller   0.00
Total         3.25         0.25           Total         18.50         0.75			0.50     4.00   0.75	4.00 SW   UP TO 19 KM/H   24.00 SQOOD
TOUR 1 SIGNATURE OF DRILLER  BITS DRILLING ASSEMBLY I	JASON GILES MUD RECORD	DEVIATION SURVEYS	TIME LOG	END TIME 08:00
Bit Number   4   No   Component   OD   ID   Length	Mud Type Water x 0il 0ther Time 07:30	Time         Depth         Deviation         Direction         Type           00:00   948.23m         47.7         300.2           01:15   957.98m         48.7         299.2	00:00 06:15 6.252 DRILL 171mm HOLE CFROM 19	erations in Sequence & Remarks 47m TO 2003M SURVEYS,WORK PIPE AND CONNECTIONS
Manufacturer   SMITH   1   NC SUB   127   45   1.35m   Type   MDSIR71   1   NON MAG SLICK   120   69   9.32m   Serial No   JJ8293   1   SAP SUB   126   69   1.69m	Density 1230	02:45   967.73m		SE TOP DRIVE & DRAW WORKS, FUNCTION
Jets 7.9 7.9 7.9 1 NM FLEX MONEL 120 69 9.27m 7.9 1 NM FLEX MONEL 117 69 9.26m	pH Location of Sample SHAKERS	07:00 1996.98m 50.5 297.4 SOLIDS CONTROL	0.00 0.201 CREW OF PRIOR DATE ETT WILLT	INOT EAST ONWARD
	Depth   2000m	Equipment Name         Hours Run         Intake Density         Over Flow Density         Under Flow Density           CENTRIFUGE         8         1230         1230         1900		
Hrs Run Today         6.25         1 JARS-HYD         166         57         5.50m         Pl           Cumulative Hrs Run         24.00         1 X/O         134         68         0.94m           Entry Date         2016/04/03         1 32 x 4.5" HWDP         114         73         299.52m	Pump# Type Liner Size SPM Pressure Hours Run 1 SINGLE 127 0 12800 0 2 SINGLE 140 113 12800 8	MUD MATERIALS ADDED		
Drill Pipe   Stands   0.00m	Remarks:	Product Amount Type		
MDC         Reason Pulled         Total         394.48m           LOC         Total Run (m/hr)         Weight of DC	nellidiks.			
Hole Brug of Z	REDUCED PUMP SPEED		Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVE INSPECT TOP DRIVE/ ELEVATORS/ BALES/ ALL OVERHEAD EQUPIMENT INSPECT CHOKE LINES/HCR'S/KILL LINES/ CHECK MANIFOLD VALV	T-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT
1947m   2003m   DRILL   25   14kdaN   Torque at Bottom   66600.00Nm   Fill on Bottom   0.00m	Pump No.         Pressure         Strokes/min         Depth           2         3400         @         60         @         2003           @         @         @	Boiler	INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL  SAFETY  Safety Topic	MEHL MACP
TOUR 2 SIGNATURE OF DRILLER	© © SYLVAIN ARSENAULT		Connections,Pump Maintenance  START TIME 08:00	75.00kdaN 2721kPa
			TIME LOG	erations in Sequence & Remarks
Size	Other	08:30 2006.73m 52.1 297.9 10:00 2016.48m 53.2 297.7 12:00 2026.38m 56.3 298.2	08:00 17:00 9.002 DRILL 171MM HOLE FROM 2003 17:00 19:15 2.2520A DIRECTIONAL SURVEYS,CONN	3M TO 2090m IECTION TIME
Type MDSIR71	Density 1240 1240 Funnel Viscosity Fluid Loss	13:30 2035.98m 58.8 298.4 14:45 2045.73m 60.6 299.6 15:45 2055.48m 60.7 300.1	IN 2 MIN DISCUSS AND SEARC	BER @MUSTER AERA FOR HEAD COUNT AND MASKING
Jets   7.9   7.9   7.9   7.9   1NM FLEX MONEL   120   69   9.27m	pH         Location of Sample         SHAKERS         SHAKERS           Depth         2050m         2078m	17:00 2065.23m 62.4 300.4 SOLIDS CONTROL  Equipment Hours Intake Over Flow Under Flow	19:45 20:00 0.25 21 CREW CHANGE MEETING	
	PVT         57m3         57m3           CIRCULATION         Fressure         Hours Run           Pump#         Type         Liner Size         SPM         Pressure         Hours Run	Name         Run         Density         Density         Density           CENTRIFUGE         12         1240         1240         1900		
Cumulative Hrs Run         33.00         1\( \text{N/O}\)         134         68         0.94m           Entry Date         2016/04/03         132 x 4.5" HWDP         114         73         299.52m           CUTTING STRUCTURE         5e         Drill Pipe         Stands         1696.50m	1SINGLE 127 0 13000 0 2SINGLE 140 113 13000 12	MUD MATERIALS ADDED Product Amount Type		
TI	[	SAWDUST         15         EACH           ALKALIME         3         EACH           BARITE         42         EACH		
MDC			Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVE	R
	REDUCED PUMP SPEED Pump No. Pressure Strokes/min Depth		INSPECT TOP DRIVE/ ELEVATORS/ BALES/ ALL OVERHEAD EQUPIMENT INSPECT CHOKE LINES/HCR'S/KILL LINES/ CHECK MANIFOLD VALV INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL	
Fill on Bottom 0.00m	2 3425 @ 60 @ 3021 @ @ @ @	Boiler # Hours Run	SAFETY Safety Topic HOUSEKEEPING	MEHL MACP 78.00kdaN 2721kPa
TOUR 3 SIGNATURE OF DRILLER	JASON GILES		START TIME 20:00	END TIME 24:00
Bit Number 4 No Component OD ID Length	Mud Type Water ∡ Oil ☐			erations in Sequence & Remarks
IADC Code	Time 20:00 23:30 Density 1240 1240	22:00 2104 23m 68 298.7		UM TO 2119M SURVEYS, WORK PIPE AND CONNECTIONS TOP DRIVE & DRAW WORKS, FUNCTION LOWER PIPE
Type MDSIR71         LOCK MAG SLICK         120         69         9.32m           Serial No         JJ8293         1CAP SUB         126         69         1.69m           Jets         7.9         7.9         7.9         1MM FLEX MONEL         120         69         9.27m	Funnel Viscosity 30s/l 30s/l Fluid Loss PH		RAMS-4sec.T/C	
7.9	Location of Sample SHAKERS SHAKERS  Depth PVT	SOLIDS CONTROL  Equipment Hours Intake Over Flow Under Flow Name Run Density Density Density		
Total Drilled (m) 410 1X/O 134 62 0.96m	Pump# Type Liner Size SPM Pressure Hours Run	CENTRIFUGE 4 1250 1180 1800		
Entry Date 016/04/03 132 x 4.5° HWDP 114 73 299.52m  CUTTING STRUCTURE 5s Drill Pipe Stands 1725.00m	2SINGLE 140 130 14775 4	MUD MATERIALS ADDED           Product         Amount         Type           BARITE         182         EACH		
MDC Reason Pulled Total 2119.00m	D	102   103   104   105		
Total Run (m/hr)   Weight of DC		I I I	Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVE	
From To D-R-C RPM WOB Hole Drag Up 3 Down 4	REDUCED PUMP SPEED           Pump No.         Pressure         Strokes/min         Depth           2         3418         @ 60         @ 2119	Boiler	INSPECT CHOKE LINES/HCR'S/KILL LINES/ CHECK MANIFOLD VALV INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL SAFETY	/E ALIGNEMENT-FUNCTION FLARE STACK IGNITER
V 1.3	@ @	Boiler # Hours Run   pH   Stack Temp   396   0   11   280	Safety Topic Connections, Fluid Transfer	MEHL         MACP           76.00kdaN         2721kPa

FRONT PAGE SUMMARY License No Well Name	Tour Sheet Serial Number 0Y52529_20160406_1B Surface Location	Pason 2016 Prov Loc Type Unique Well Id	flonth Day 06 1) Daily Walk Around Inspection 2) Detailed Inspection - Weekly (Using Check List) 3) H2S Signs Posted if Required	OP RM PB MR CAGDC
ARC RESOURCES         P           Operator's AFE         C           66DRL0033         8	05-09-081-16W6  Contractor  PRECISION DRILLING, DIV OF PDCLP  Contractor's Job No  31	BC DLS 100/14-08-081-16W6/00  Rig No Well Type 529 HORIZ  Spud Date Time 2016/03/31 12:00	4) Well Licence & Stick Diagram Posted 5) Flare Lines Stake of 5) Flare Lines Stake of 6) 50 Por Init Performed 7) Visually inspected 60°5 - Rare Lines & Depasser Lines 7) Visually inspected 60°5 - Rare Lines & Depasser Lines 1) Rig Site Health & Safety Meeting (one/crew/month) 2) CADOC Rig Safety Inspection Checklist (one/rig/mos) Mast Inspection before Rising on Covering	, — pason 🔰
	Signature of Contractor's Rig Manager	Rig Release Date Time	4  Oroun Saver Checked   5  Motor Kills Checked   19   20   21   22   23   24	MR
TOUR 1 SIGNATURE OF DRILLER	JASON GILES		START TIME 00:00	0 END TIME 08:00
IADC Code	Other	DEVIATION SURVEYS	00.00 02:15 2.252 DRILL 171mm HOLE FROM	ONAL SURVEYS, WORK PIPE AND CONNECTIONS
BRG         X         Weight of String         72k           METRIES DRILLED         HOLE CONDITION           From         To         D-R-C         RPM         W0B         Hole Drag         up _ 3         Down _ 5           2119m         2140m         DRILL         35         14kdaN         Torque at Bottom         6500.00	Down No.   Down Oberton fortal Double		Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN S INSPECT TOP DRIVE/ ELEVATORS/ BALES/ ALL OVERHEAD EQUP INSPECT CHOKE LINES/HORS/ BALES/ ALL OVERHEAD EQUP INSPECT CHOKE LINES/HORS/BALL LINES/ CHECK MANIFOLD INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL SAFETY  Safety Topic  Conections/Transfer/Displace/Trip	PIMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT
TOUR 2 SIGNATURE OF DRILLER	MITCH ARSENAULT		START TIME 08:00	0 END TIME 20:00
IADC Code	Other	Time   Depth   Deviation   Direction   Type	08.00 09:15	NND CUT DRILLING LINE.BRAKE CAPACITY TEST COMPLETED H PIPE.FILL PIPE EVERY 500meters, 10 MIN FLOW CHECK @ REAM TIGHT SPOT @ 1733M-2035M M 2140m TO 2148m CHANGE MEETING  SAVER SAVER
Fill on Bottom 0	0.00m	Boiler # Hours Run	SAFETY Safety Topic TRIPPING / HANDLING BHA / SLIP AND CUT	MEHL         MACP           80.00kdaN         2766kPa
ADC Code   A	1.14m	DEVIATION SURVEYS   Time   Depth   Deviation   Direction   Type	20.00   22.30   2.50   2   DRILL 159mm HOLE FROM	of Operations in Sequence & Remarks  M 2148m TO 2231m  DNAL SURVEYS, WORK PIPE AND CONNECTIONS EASE TOP DRIVE & DRAW WORKS, FUNCTION LOWER PIPE  AND CONNECTIONS  BAYER  SAVER  PIMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT
From To D-R-C RPM W0B Hole Drag Up 2 Down 4 2148rt 2231m DRILL 35 8kdaN Torque at Bottom 6900.0 Fill on Bottom 0	Down No.   Down   Obodow (with   Down	Boiler   Boiler # Hours Run   pH   Stack Temp   396   4   11   300	INSPECT CHOKE LINESHCR SKILL LINES CHECK MANIFOLD INSPECT ESCAPE BUGGY! MONKEYBOARD SRL  SAFETY  Safety Topic  Trip/Connections	VALVE ALIGNEMENT-FUNCTION FLARE STACK IGNITER  MEHL  MEHL  78.00kdaN  2856kPa

Company   Comp	The content of the	Total   Tota	FRONT	PAGE SUMMARY	Tour Sheet Serial Number 0Y52529_20160407_1C	Vendor Software Version Pason		04 07 1	DAILY CHECKS  1) Daily Walk Around Inspection 2) Detailed Inspection - Weekly (Using Check List)	OP RM PB MR
Second Column	Column   C	Property of the Control of the Con	31603 ARCRES HZ PARKLAND 5-9-8		05-09-081-16W6	BC DLS		D. F. t.	3) H2S Signs Posted if Required 4) Well Licence & Stick Diagram Posted 5) Flare Lines Staked	PB MR
Part	March   Marc	Column   C	ARC RESOURCES	PR	RECISION DRILLING, DIV OF PDCLP	529 HORIZ	e Time	ne-cili y	7) Visually Inspected BOPs - Flare Lines & Degasser Lin	nason
Column   C	S.   A. S.   D.   C.   C.   D.   D.   D.   D.   D	1	Signature of Operator Representative					3	<ol> <li>CAODC Rig Safety Inspection Checklist (one/rig/s)</li> <li>Mast Inspection before Raising or Lowering</li> <li>Crown Saver Checked</li> </ol>	month)
Total	1	Total   School   Section				13 14 15 16	5 17 18	19 20		Kelly Bushing Op Fuel 5.98 1558.00
TOUR 1   SIGNATURE OF DRILLED	1	Total	Up Actual Reaming Co	& Circ IIIps Service		Wait On Nipple Up Test Drillst Cement BOP BOP Tes		-isning Work	Meeting Down On Watch	Other TOTAL Rig 21106.00 Boiler 0.00
Total	Column   C	Total   State	Tour 2 7.75	0.25				3.7	75 0.25	12.00 Eurrent Conditions CLEAR More Disacration Mond Streeth
Designation   Column   Colum	The color	The State								
State	Company   Comp	Part	TOUR 1 SIGNATURE	OF DRILLER	JASON GILES				START TIME 00	:00 END TIME 08:00
1   1   1   1   1   1   1   1   1   1	The content of the	Part					Туре	بحصبسم	<del></del>	s of Operations in Sequence & Remarks
Section   Sect	Second Column   Col	Section   Sect	Size 159	1 BIT 159 0 0.22 1 MOTOR 126 0 9.14	Other	00:30 2244.13m 90.1 298.1		00:00 03:00	3.002 DRILL 159mm HOLE FRO	OM 2231m TO 2444m
March   1975	Section   Sect	The column   The		INCIRC.		01:00 2268.5m 89.4 298	3	06:00 06:15		T/GREASE TOP DRIVE & DRAW WORKS, FUNCTION
Septime   Sept	Company   Comp	March   Marc	<del></del> _		<del>"</del>    <del>                                 </del>	02:15 2298m 90.2 298.6	3			
The Part   Sept   Sep	Second Column   Second Colum	Second Column   Col		1HWDP(4.5 IN) 114 97 9.36	Depth Depth	Equipment Hours Intake				
The part of the	19   19   19   19   19   19   19   19	Column   C	Total Drilled (m) 362	1 SLIDE REAMER 129 58 1.4	CIRCULATION					
Discrimination   Disc	Control   Cont	Company   Comp	Cumulative Hrs Run 7.50	15 JT DP 114 97 48.75	75m 1 COMBINED 114 86 17560 8	MUD MATERIALS ARE	DED			
Column   C	Part		CUTTING STRUCTURE	17 Drill Pipe Stands 496.3	37m	Product	Amount Type			
Martine   Mart	SOURTH   S	March   Marc	TO ODC	Kelly Down 0.00	00m Remarks:	LIME GILSONITE	20 EACH 5 EACH			
MOLE CONDITION   PROPERTY   PRO	STATE   STAT	Mile	LOC Total Run (m/hr)	Weight of DC Okd	daN			Pomorko: EUN	ICTION TRAVEL STORES IMITS & CROWN	N CAVED
Total   Section   Total   Se	Second   S	Second Column   Col	METRES DRILLED	HOLE CONDITION				INSPECT TOP DR	IVE/ ELEVATORS/ BALES/ ALL OVERHEAD EQU	JPIMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT
	2   SONATURE OF DRILLER	TOUR 2   SIGNATURE OF POILLER		Torque at Bottom 7500.00N	Pump No. Pressure Strokes/min Depth		- U Otask Tanas	INSPECT ESCA		
PRINCIPLY   S	Drill And No.   Section   Wild   Drill And   Dr	Dill And Discosory   Dill An		0.00	2 5035 @ 75 @ 2444				Safety Topic	
PRINCIPLY   S	Drill And No.   Section   Wild   Drill And   Dr	Dill And Discosory   Dill An	TOUR 2 SIGNATURE	OF DRILLER	MITCH ARSENAULT				START TIME 08	:00 END TIME 20:00
Sept	Company   Comp	Month   1   1   1   1   1   1   1   1   1	BITS		MUD RECORD		_		<del>-</del>	
Manufacture   Petit   Petit   Manufacture   Petit   Peti	Marchane   Column	Manufacture	Size 159	1BIT 159 0 0.22	2m Other	08:00 2487.88m 90.6 297.4	Туре	l <del></del>		
Section   10   10   10   10   10   10   10   1	Column   C	The control of the	Manufacturer REED	1 NON MAG SLICK 120 69 9.32	Density 1225 1240	08:30 2517.13m 88.7 296.4		16:45 17:00	0.25 7 RIG SERVICE/RSPP@2795	M PUMP#1 60STKS=3700K.P.A\ F\T LOWER PIPE RAMS 3 STC
Depth Oct (m   1	Control   Cont	Depth Oct   1	Serial No 227014	1NM FLEX MONEL 120 69 9.27	7m Fluid Loss	09:45 2546.38m 91.5 297.3 10:15 2561.01m 91.6 296.5				
Depth is reference   1.5	Part	Depth   Inst		1X/O 134 61 0.94	Location of Sample SHAKERS SHAKERS	SOLIDS CONTROL				
Manual	The Part   Par	The Part Note   17.7	Depth In (m) 2140	1X/O 134 62 0.96	6m PVT 48m3 45m3	Name Run Density	Density Density			
Starty Date   2010-00.00   1/2   6/2   0.86   0.96   0.20   0.2	Mode   March   Mode   March   March		Hrs Run Today 7.75	1X/O 132 69 0.94	4m Pump# Type Liner Size SPM Pressure Hours Run					
Time	Gog   Column   Colu	Total   Cope   Figure   Stople   1 soon   Figure   Figu	Entry Date 2016/04/06	1X/O 132 62 0.96	6m 2COMBIN- 114 86 20093 12		Amount Type			
MOC   Code   Flagson Pulled   Code   Flagson Pulled   Code   Flagson Pulled   Code   Flagson Pulled   Code   Flagson	Restant Pulse    Total Running   Total Runni	Mile   Description   Total   200.000   Total   Total   200.000   Total   Tot	TI Gage		7	LIME	20 EACH			
METRES DRILLED   Hole Crag by 14   Down   1	No.   Post   P	More   Company   More   Company   More   Company   More   Company   More   Mo			0m					
2502m   2905m   DRILL   50   11kdaN     11	Part	Part	METRES DRILLED	HOLE CONDITION				INSPECT TOP DR	IVE/ ELEVATORS/ BALES/ ALL OVERHEAD EQU	UPIMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT
Fill on Bottom	Fill of Bottom   Fill	Fill on Bottom   Companies			Nm Pump No. Pressure Strokes/min Depth	Boiler		INSPECT ESCA		LD VALVE ALIGNEMENT-FUNCTION FLARE STACK IGNITER
Description   Depth Out (m)   Depth Out (m)	Number   S	SIGNATURE OF DRILLER		Fill on Bottom 0.0	@ @	Boiler # Hours Run				
Bit Number   5	Number   S	DRILLING ASSEMBLY   No. Composent   Oo   10   Length   Mud Type   Water   Oo   X   See   Size   Si	TOUR 2 SIGNATURE	OF PRILLER				PERRIOR CON		
Size   159   191T   159   0 0.22m   0ther   20.15   2912m   90.5   298.9   20.00   22.30   25.50   DRILL 159mm HOLE FROM 2905m TO 3036m	Size	Size		-	_	DEVIATION SURVEYS		TIME LO		END TIME 24:00
Manufacture   REED	War   War	Manufacture   REED				20:15 2912m 90.5 298.9		<del>                                     </del>		
I/Se   Serial No	Type   Skill No.   10.3   10	Serial No.   1/2				21:15 2941.25m 89.5 299.9		<del>                                     </del>		
Depth Out (m)	Second   Color   Col	Depth Out (m)	Serial No 227014	1NM FLEX MONEL 120 69 9.2	27m Fluid Loss	21:45 2970.5m 90.2 299.6	5		RAMS-4sec.T/C	
Depth In (m)	Product   Prod	Depth in (m)			94m Location of Sample SHAKERS SHAKERS	22:30 2999.75m 90.4 299.2				
Hrs Run Today 2.50 1x/O 132 69 0.94m Pump# Type Liner Size SPM Pressure Hours Run  Cumulative Hrs Run 17,75 15, IT DP 114 97 48,75m 150MBN 144 98 10060	No   1	Hrs Run Today	Depth In (m) 2140	1X/O 134 62 0.9	96m PVT	Name Run Density	Density Density			
Cullidative ris hull 17.79 15 Ji DP 114 97 48.75m 15 114 86 1969 4	Total   Reason Pulled   Floring	Total   Reason Pulled   Signed   Sign	Hrs Run Today 2.50	1X/O 132 69 0.9	94m Pumn# Type Liner Size SPM Pressure Hours Run	CENTRIFUGE 4 126	1140 1890			
Entry Date \$016/04/06 1X/O 132 62 0.96m 250MBN- 114 86 19969 4 WIDD WAT HATA-S ADD-D	Gage   d Drill Pipe   Singles   0.00m   0.00	Moc   Gage   G   Dill Pipe   Singles   Good   GLAYTONE   CLAYTONE   CLAYTON	Entry Date 2016/04/06	1X/O 132 62 0.9	96m 2 <sup>COMBIN-</sup> 114 86 19969 4					
1	Reason Pulled   Total   3038.00m   Weight of DC	MDC	TI Gage	o Drill Pipe Singles 0.0	00m	LIME CLAYTONE	20 EACH 2 EACH			
MDC Reason Pulled Total 3036.00m OFTPUVE 2 EACH	Weight of String	BRG Weight of String Tokdan METRES DRILLED  HOLE CONDITION  Hole Drag Up 5 Down 11  Torque at Bottom 9700.00mm Fill on Bo	MDC Reason Pulled	Total 3036.0		IOP (I-ONE	2 EACH			
BRG Weight of String 70kdaN Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER	To DR-C RPM WOB   Hole Drag	From   To   D-R-C   RPM   WOB   Hole   Drag   Up   5   Down   11   Depth   2905 m   3036m   DRILL   50   134daN   Torque at Bottom   Fill on Bottom   5006 m   2006	BRG	Weight of String 70kd	daN				· · · · · · · · · · · · · · · · · · ·	
From To D-R-C RPM WOB Hole Drag up 5 00m 11 REDUCED PUMP SPEED  2905m 3036m DRILL 5d 13kdaN Torque at Bottom 9700.00Nm Pump No. Pressure Strokes/min Depth  Boiler  REDUCED PUMP SPEED  INSPECT CHOKE LINESHCR SKILL LINES/ CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLAR  Pump No. Pressure Strokes/min Depth  Boiler	Fill on Bottom	Fill on Bottom 0.00m 1 5035 @ 80 @ 3028 80 & 3028 80 & 3028 80 & 3028 80 & 3028 80 & 3028 80 & 3028 80 & 3028 80 & 3028 80 & 3028 80 & 3028 80 & 3028 80 & 3028 80 & 3	From To D-R-C RPM WOB	Hole Drag Up 5 Down 11	Nm Pump No. Pressure Strokes/min Depth	Boiler		INSPECT CHOKE	E LINES/HCR'S/KILL LINES/ CHECK MANIFOL	
Fill on Bottom   0.00m   1 5035   20 80   20 3028     Boller#   Hours Run   pH   Stack Temp   SAFETY   SAFETY					00m 1 5035 @ 80 @ 3028 1 5069 @ 80 @ 3028	Boiler # Hours Run				
		! <b>!</b>	V. 1.3					Connections, Flu	uid Transfer	· · · · · · · · · · · · · · · · · · ·

FRONT License No Well Name	PAGE SUMMARY	Tour Sheet Serial Number 0Y52529_20160408_1A Surface Location	Vendor Software Version Pason  Prov Loc Type Unique	2016 (	onth Day 08 1) Daily Walk Around In 2) Detailed Inspection 3) H2S Signs Posted if	rspection - Weekly (Using Check List)
31603 ARCRES HZ PARKLAND 5-9- Operator ARC RESOURCES Operator's AFE 16DRL0033 Signature of Operator Representative	C F C 8	05-09-081-16W6  Contractor  PRECISION DRILLING, DIV OF PDCLP  Contractor's Job No  31  Signature of Contractor's Rig Manager	BC DLS 100/14  Rig No Well Type 529 HORIZ  Spud Date Time 2016/03/31 12:00  Rig Release Date Tin	-08-081-16W6/00 me	Rig Site Health & Sa     CAODC Rig Safety In	Diagram Posted PB MR PB MR dPs - Flare Lines & Degasser Lines PB MR dety Meeting (one/crew/month) spection Checklist (one/rig/month) re Relising or (Deep Line)
Paul Boutilier  CODE 1 2 3	4 5 6 7	MARC RAYMOND 8 9 10 11 12	13 14 15 16 17	7 18	5) Motor Kills Checked	Kelly Bushing Op Fuel
Rig   Drill   Reaming   C	Coring         Cond Mud & Circ         Trips         Rig Service           0.25           1.00         2.00         0.25	Repair Cut Off Dev Wireline Run Csg Rig Drilg Line Survey Logs & Cement	Wait On Cement BOP BOP Test Drillstem Bac		Dir   Safety   Te   Do	ar Watting Nig Other TOTAL 80 16513.00 1801er 0.000 1801e
Tour 3 14.00	3.00 1.00 5.00 0.50				0.75 0.25 2.50 1.00	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00
	OF DRILLER	JASON GILES			START 1	1IME 00:00 END TIME 08:00
BITS  Bit Number 5  Size 159	No         Component         OD         ID         Len           1 BIT         159         0         0	gth Mud Type Water Oil x Other	DEVIATION SURVEYS   Time   Depth   Deviation   Direction	Туре	TIME LOG     From   To   Elapsed   Code	Details of Operations in Sequence & Remarks  ORILL 159mm HOLE FROM 3036m TO 3233m
IADC Code	1MOTOR 126 0 9.	1.14m Time 02:00 05:00 .32m Density 1250 1240	00:45 3058.25m 89.3 299.6 01:00 3072.88m 89.6 298.6		04:45 05:30 0.7520A A	ACCUMULATED, DIRECTIONAL SURVEYS, WORK PIPE AND CONNECTIONS RIG SERVICE - INSPECT/GREASE TOP DRIVE & DRAW WORKS, FUNCTION
Type SK413M-A1G  Serial No 227014  Jets 10.3 10.3 10.3 10.3 10.3	1NM FLEX MONEL 120 69 9.	.70m Funnel Viscosity 57s/l 57s/l .27m Fluid Loss .26m PH	01:453102.13m 89.5 298.2 02:153116.75m 89.4 298.6		05:45 07:45 2.002 E	INNULAR-19sec.T/C DRILL 159mm HOLE FROM 3233m TO 3321M CREW CHANGE SAFETY MEETING/PLAN FORWARD
Depth Out (m)	1X/O 134 61 0.	256m	02:30 3131,38m   90.4   298.7	ow Under Flow	07:45 08:00 0.2521 0	KEW CHANGE SAFETY MEETING/PLAN FORWARD
Depth In (m)         2140           Total Drilled (m)         1181	1X/O 134 62 0. 1 SLIDE REAMER 129 58 1.	.96m PVT .41m CIRCULATION	Name Run Density Densit			
Hrs Run Today 6.75  Cumulative Hrs Run 23.00  Entry Date 2016/04/06	15 JT DP 114 97 48.	.94m         Pump#         Type         Liner Size         SPM         Pressure         Hours Run           .75m         1         COMBINED         114         86         20400         8           .96m         2         COMBINED         114         86         20400         8	MUD MATERIALS ADDED			
CUTTING STRUCTURE TI Gage	35 Drill Pipe Stands 1023.	2 114 00 20400 0	Product A GILSONITE NEW VEX	Amount Type 10 EACH 5 EACH		
TO	Kelly Down 6. Total 3036. Weight of DC	.62m Remarks:	OPTIGLIDE NDFT BEADS	1 EACH 10 EACH		
BRG METRES DRILLED		kdaN			Remarks: FUNCTION TRAVEL S INSPECT TOP DRIVE/ ELEVATORS/ B.	TOPS/LIMITS & CROWN SAVER  ALES/ALL OVERHEAD EQUPIMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT
From To D-R-C RPM WOB 3036m 3321m DRILL 50 14kdaN	Hole Drag Up 6 Down 1: Torque at Bottom 9800.0	ONm Pump No. Pressure Strokes/min Depth	Boiler		INSPECT CHOKE LINES/HCR'S/KILI INSPECT ESCAPE BUGGY/ MON SAFETY	LINES/ CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IGNITER KEYBOARD SRL
	Fill on Bottom 0.	.00m 1 5615 @ 80 @ 3233 2 5665 @ 80 @ 3233 @ @ @	Boiler # Hours Run   pH     396   8   1	Stack Temp 1 300		fety Topic         MEHL         MACP           79.00kdaN         2721kPa
TOUR 2 SIGNATURE	OF DRILLER	MITCH ARSENAULT			START 1	IME 08:00 END TIME 20:00
BITS Bit Number 5	DRILLING ASSEMBLY No Component OD ID Len	MUD RECORD  Igth Mud Type Water 0 0il 🗴	DEVIATION SURVEYS Time Depth Deviation Direction	Туре	TIME LOG From To Elapsed Code	Details of Operations in Sequence & Remarks
Size 159 IADC Code 4 1 3 M	1BIT 159 0 0. 1MOTOR 126 0 9.	.22m Other	08:00 3306.88m 90.7 298.9 08:30 3321.51m 91.1 298.9 08:45 3336.13m 90.9 298.5		08:00 15:00 7.002 E 15:00 16:00 1.0020A E	ORILL 159MM HOLE FROM 3321M TO 3555M  DIRECTIONAL SURVEYS/CONNECTIONS/TOOL ORIENTATION
Manufacturer   REED     SK413M-A1G	1GAP SUB 126 69 1.	Density   1240	09:15 3350.76m 91.5 298.2 09:30 3365.38m 88.7 297.6		5	IIG SERVICE/RSPP@3555M PUMP#2 80STKS=6100K.P.A,FUNCTION UPPER PIPE RAMS 4 SEC TO CLOSE DRILL 159MM HOLE FROM 3555M TO 3561M TD WELL
Jets 10.3 10.3 10.3 10.3	1NM FLEX MONEL 117 69 9.	26m	10:15 3380.01m 88.1 297.7 10:30 3394.63m 88.3 296.7 SOLIDS CONTROL		16:30 17:30 1.005 0	CIRCULATE 3 BOTTOMS UP AND SPOT BEAD PILL  SAFETY MEETING, PRIOR TO TRIPPING OUT
Depth Out (m)	1X/O 134 62 0.	.36m Depth 3561m PVT 50m3	Equipment Hours Intake Density Density  CENTRIFUGE 2 1240 12			RIP OUT OF HOLE FROM 3561M TO 2017m 10 MIN FLOW CHECKS@ 3561m,3389m, 2017m SAFETY MEETING/CREW CHANGE MEETING
Total Drilled (m)	1X/O 132 69 0.	4.41m   CIRCULATION	CENTRIFUGE 2 1240 12	235 1900		
Entry Date 2016/04/06 CUTTING STRUCTURE	1X/O 132 62 0. 53 Drill Pipe Stands 1550.	.96m 2 COMBIN- 114 86 28000 10	MUD MATERIALS ADDED Product A OPTI-ONE	Amount Type 6 EACH		
T1   Gage		.75m				
LOC Total Run (m/hr) BRG	Weight of DC Ok Weight of String 704	kdaN kdaN			Remarks: FUNCTION TRAVEL S	
METRES DRILLED           From         To         D-R-C         RPM         W0B           3321m         3555m         DRILL         50         15kdaN	Hole Drag					ALES/ ALL OVERHEAD EQUPIMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT  LINES/ CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IGNITER  KEYBOARD SRL
		2 6100 @ 80 @ 3555 @ @	Boiler		<b>SAFETY</b> Sa	fety Topic MEHL MACP
TOUR 2 SIGNATURE	OF DRILLER				LOCK OUTS	90.00kdaN 2676kPa
BITS	DRILLING ASSEMBLY	JASON GILES	DEVIATION SURVEYS		START 1	
Size		0.22m Other	Time Depth Deviation Direction	Туре		Details of Operations in Sequence & Remarks  RIP OUT OF HOLE FROM 2017m TO 51m-FLOW CHECK @ 448m, FUNCTION BLIND  LAMS/FLOW CHECK OUT OF HOLE, TRIP RECORD-CALC,=13.71m3, ACTUAL=15.94m3
Manufacturer REED Type SK413M-A1G	1 NON MAG SLICK 120 69 9	9.14m Time 22:00 9.32m Density 1240 1.70m Funnel Viscosity				ARMSPLOW CREDA OUT OF HOLE, TRIP RECORD-CALC.=13.71m3, ACTUAL=15.99m3  AFETY MEETING WITH DISCOVERY DIRECTIONAL- REVIEW COP 2-1
Serial No 227014 Jets 10.3 10.3 10.3 10.3	1NM FLEX MONEL 120 69 9 1NM FLEX MONEL 117 69 9	9.27m Fluid Loss 9.26m pH				AY OUT DIRECTIONAL BHA - LAY OUT SLIDE REAMER-MONELS-GAP SUB/MWD TOOL
Depth Out (m) 3561 Depth In (m) 2140	1HWDP(4.5 IN) 114 97 9	0.94m	SOLIDS CONTROL  Equipment Hours Intake Over Fle Name Run Density Densit	ow Under Flow ty Density		
Total Drilled (m)         1421           Hrs Run Today         0.00	1SLIDE REAMER 129 58 1 1X/O 132 69 0	1.41m CIRCULATION 1.94m Pump# Type Liner Size SPM Pressure Hours Run				
Cumulative Hrs Run 29.00 Entry Date 2016/04/06 CUTTING STRUCTURE		3.75m	MUD MATERIALS ADDED Product A	Amount Type		
TI	1 Drill Pipe Singles 9	0.00m				
MDC         WT         Reason Pulled         TD           LOC         S         Total Run (m/hr)         49.00	Total   3561   Weight of DC   OI	l.00m kdaN				
BRG   X	Weight of String 701  HOLE CONDITION  Hole Drag Up Down	REDUCED PUMP SPEED				TOPS/LIMITS & CROWN SAVER  ALES/ALL OVERHEAD EQUPIMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT  LINES/ CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IGNITER
	Torque at Bottom Fill on Bottom	Pump No. Pressure Strokes/min Depth	Boiler  Boiler # Hours Run pH	Stack Temp	INSPECT ESCAPE BUGGY/ MON SAFETY	KEYBOARD SRL
V.1.3			396 4 1	1 300	Sa TRIPPING, C/O HEADS AND LINE	fety Topic         MEHL         MACP           RS         85.00kdaN         2766kPa

FRONT PAGE SUMMARY	Tour Sheet Serial Number 9Y52529_20160409_1A Surface Location		Month Day 09 DAILY CHECKS 1) Daily Walk Around Inspection - Weekly (Using Check List) 2) Detailed Inspection - Weekly (Using Check List) 2) LRSS Signs Posted If Required 9
	05-09-081-16W6  Contractor  PRECISION DRILLING, DIV OF PDCLP  Contractor's Job No	BC   DLS   100/14-08-081-16W6/00   Rig No   Well Type   HORIZ   Spud Date Time	Re-Entry 5   Flare Lines Staked 9   BB MR   BB Politis Performed 7   Visually Inspected 80Ps - Flare Lines & Degasser Lines PB MR   BB
	81 Signature of Contractor's Rig Manager MARC RAYMOND	2016/03/31 12:00 Rig Release Date Time	2) CADDC Rig Safety Inspection Checklist (one/rig/month) 3) Mast Inspection before Raising or Lowering 4) Crown Saver Checked 5) Motor Kills Checked MR Pason
Rig	7.50	Wait On Nipple Up Test Drillstem Plug Squeeze Back Cement F	19   20   21   22   23   24   25
TOUR 1 SIGNATURE OF DRILLER	JASON GILES		
DRILLING ASSEMBLY		DEVIATION SURVEYS Time   Depth   Deviation   Direction   Type	TIME LOG
Size	Other		00:00   00:30   0.50   20   Cont. W/BHA - DRAIN MOTOR-BREAK OFF BIT- LAY OUT MOTOR
Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today	Location of Sample Depth PVT  CIRCULATION Pump# Type LinerSize SPM Pressure Mours Run	SOLIDS CONTROL  Equipment Hours Intake Over Flow Under Flow Density Density Density  Density Density	ANNULAR-19sec.TIC, CHANGE TO 5.5' ELEVATORS  05:15 06:45 1.5012B RUN 139.7mm CASING FROM 1424m TO 16:24M  06:45 07:00 0.25 21 CREW CHANGE SAFETY MEETING/PLAN FORWARD WITH COPPERHEAD POWER TONGS-  COP 3-1  07:00 08:00 1.00 12B RUN 139.7mm CASING FROM 16:24M TO 2140M
Cumulative Hrs Run	Tuliper Type Limit size   Srim   Fressure several size	MUD MATERIALS ADDED Product Amount Type	
MDC	REDUCED PUMP SPEED		Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER INSPECT TOP DRIVE ELEVATORS BALES/ ALL OVERHEAD EQUIPMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMEN INSPECT CHOKE LINES/HCR'SKILL LINES/ CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IGNITE!
Torque at Bottom Fill on Bottom	Pump No. Pressure Strokes/min Depth  @ @ @ @ @ @ @ @ @ @ @ @	Boiler Boiler Hours Run pH Stack Temp	INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL  SAFETY  Safety Topic MEHL MACP  TRIP/BHA/CASING 2721kF
TOUR 2 SIGNATURE OF DRILLER  BITS DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	START TIME 08:00 END TIME 20:00 TIME LOG
No   Component   OD   ID   Le	Mud Type Water Oil Other Time Density Funnel Viscosity Fluid Loss pH Location of Sample	Time Depth Deviation Direction Type	From   To   Elapsed   Code   Details of Operations in Sequence & Remarks
Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date	Depth	Equipment Hours Intake Over Flow Under Flow Density Density Density Density	13:15   14:00   0.75   12A   RIG UP CEMENTERS   14:00   16:00   2:00   12C   Cement with 5m² Opii Flush, 2.5m² Scav @ 14:00kg/m², 17:36m² (13:91)   Titanium 15:00, 31.46m² (39:51) GasTight 1850Flush lines, Drop plug & Displace with 35.8m² Inhibited H2O,12.0m² cement returns to surface,plug down 16:27ths 04:09:2016   16:00   16:15   0.25   21   SAFETY MEETING PRIOR TO NIPPLE DOWN
Drill Pipe   Stands	Remarks:	, , , , , , , , , , , , , , , , , , ,	16:15   17:30   1.25 14B   NIPPLE DOWN BOPSSET CASING SLIPS @ 67 DAN.RIG RELEASED @ 18:00HRS ON APRI 9/2016   17:30   19:45   2.25 22   RIG OUT TO SKID RIG   19:45   20:00   0.25 21   SAFETY MEETING/CREW CHANGE MEETING
METRES DRILLED From To D-R-C RPM WOB Torque at Bottom Fill on Bottom	Pump No. Pressure Strokes/min Depth	Boiler Boiler# Hours Run pH Stack Temp	VIS INS OF DRAWORKS, DRILL LINE AND ANCHOR           VIS INSPECTION OF POWER TONGS, ELEVATORS           VIS INSPECTION OF CEMENT HEAD AND LINES AND SAFETY SLINGS           SAFETY           Safety Topic         MEHL         MACP           RUNNING CASING         90.00kdaN         2766kF
TOUR 3 SIGNATURE OF DRILLER	JASON GILES	s	START TIME 20:00 END TIME 24:00
DRILLING ASSEMBLY	MUD RECORD  Mud Type Water Oil Other  Time Density Funnel Viscosity	DEVIATION SURVEYS Time Depth Deviation Direction Type	From To Elapsed Code Details of Operations in Sequence & Remarks  20:00 24:00 4:00   22   rig out rig and walk rig to next well
Serial No Jets  Depth Out (m)  Depth In (m)  Total Drilled (m)	Fluid Loss pH Location of Sample Depth PVT CIRCULATION	SOLIDS CONTROL  Equipment Hours Intake Over Flow Under Flow Name Run Density Density Density	
Hrs Run Today Cumulative Hrs Run Entry Date  SUTTING STRUCTURE TI Gage Drill Pipe Stands Drill Pipe Singles	Pump# Type   Uner Size   SPM   Pressure Hours Run   1   127   0   0   0   0   0   0   0   0   0	MUD MATERIALS ADDED Product Amount   Type	
TO	REDUCED PUMP SPEED		Remarks:
Torque at Bottom	Pump No. Pressure Strokes/min Depth  @ @  @ @  @ @  @ @	Boiler  Boiler # Hours Run pH Stack Temp	SAFETY Safety Topic MEHL MACP