			FROM	IT PAG	AE SUM	IMARY	7				heet Serial 9_2016050			lendor Soft Ison	ware Ve	rsion		Year 2016	Month 05	04 1	Daily Walk Arc Detailed Inspe	ound Inspect	ion	eck List)	GR MR	- /	ŀ	
License No	Well	l Name								Surfac	e Location			ł	Prov L	Loc Type	Unique We	ll Id			H2S Signs Pos				GR MR	- ((CAO	DC
31606	PARM	KLAND C5-	-09-81-16W	/6						05-09-08	31-16W6			E	C D	DLS	100/14-08	-081-16W6/	00		Well Licence &		ram Posted		GR MR			
Operator							0	Contractor						Rig No	١	Nell Type			Re	e-Entry 6	Flare Lines St BOP Drills Per	aked formed				-		
ARC RESOL	IRCES						F	RECISION	DRILLING,	DIV OF PE	DCLP			529		HORIZ				7	Visually Inspect	ted BOPs - Fl	lare Lines & D	egasser Lines		1		
Operator's A 84	IFE							Contractor's 6DRL0033								Spud Date Ti 016/05/04 23				2)	Rig Site Healtl CAODC Rig Sa	afety Inspect	ion Checklist	(one/rig/mor	nth) MR		aso	
Signature of Guy Rockaba		Represen	tative					Signature o MARC RAY	f Contractor MOND	's Rig Man	ager				F	Rig Release	Date Time			4)	Mast Inspection Crown Saver (Motor Kills Ch	Checked	iising or Low	ering	MR MR MR		Pasor	
CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		Kelly Bushing 5.98	Op Fuel 0.00
							-																				FUEL @ 08	:00 HOURS
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drila Line	Dev Survev	Wireline Loas	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillstem Test	I Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL	Rig Q.	00 Boiler 0.00
n Tour 1																												Temp 2.00
Tour 2	4.50																				0.50					5.00	Current Conditions	1
Tour 3	1.25	0.50					0.25													1.5	0.50					4.00	Wind Direction SW	Wind Strength UP TO 19 KM/H
Total	5.75	0.50					0.25													1.5	1.00					9.00	Road Condition GOOD	

TOUR 1	SIGN	ATURE	E OF	DRILLER						MAF	RC RAYMON									ST	ART	TIME 00:00 EN		08:00
BITS			DF	RILLING AS	SEN	IBLY	MU	D RE(CORI)					RVEYS			TIM	ELO	DG				
Bit Number			No	Component	OD	ID Lengt	1	N	lud Type	e Water	0il 🗌	Time	Depth	Deviation	Direction		Туре	From	To	Elapsed	Code	Details of Operations in	n Sequence & Remarks	
Size										Other											1			
IADC Code									Time									-						
Manufacturer									Density									-1						
Туре								Funnel V	iscosity									-						
Serial No								Flu	id Loss															
Jets									pН															
							Lo	cation of				SO	LIDS	CONTR	OL									
Depth Out (m)									Depth			Ec	uipment	Hours			w Under Flow							
Depth In (m)									PVT				Name	Run	Density	Density	Density							
Total Drilled (m)							CIR	CULA	TION															
Hrs Run Today							Pump#	t Type	Liner Siz	e SPM Pi	essure Hours R	un		_	_	_	_	-						
Cumulative Hrs Run								1	14	0 0	0	0												
Entry Date								2	12	7 0	0	o MU	D MA		LS AD									
CUTTING STR		=		Drill Pipe	Star									Produc	t	A	nount Type							
п	Gage			Drill Pipe	Sing	es												╢───						
то	ODC		1	Kelly Down			Rema	rks:																
	eason Pulled			Total																				
	al Run (m/hr)			Weight of DC																				
BRG				Weight of String														Rema	rks:					
METRES DRI			НС	DLE CONDI	TIOI													┨						
From To D-F	R-C RPM	WOB	Ho	ole Drag Up		Down				MP SP								1						
			Torq	ue at Bottom			Pump	No. Pres		Strokes/min	Depth	Boi	ler											
			Fill	I on Bottom					@	@			oiler #	Hours	Run	рH	Stack Temp	SAF	ETY				ļ	
							-		@	@												Safety Topic	MEHL	MACP
									@	@														

TOUR 2	SIGN/	TURE	OF	DRILLER						SYLV	'AIN AR	SENAUL									ST	ART			20:00
BITS			DR	ILLING ASS	SEME	SLY	MU	D RE	CORE)			DE	VIATIO	N SUF	RVEYS			тім	E LO	G				
Bit Number			No	Component	0D ID	Length		Ν	Aud Type	Wate	r 🗌	Oil 🗌	Time	Depth	Deviation	Direction	Ty	/pe	From	To	Elapsed	Code	Details of Operations in	n Sequence & Remarks	S
Size						1				Other [15:00	15:15	0.2	521	SAFETY MEETING WITH CREW AND TRUC	KERS / REVIEW SIMOPS	S ON SKIDDING RIG
IADC Code									Time]—										BUILDINGS		
Manufacturer									Density]—						15:15	17:30	2.2	51C	SPOT RIG / MUD TANKS, DOGHOUSE, PUMPS, G SHALE	ENS, DRIVE HOUSE, BOTH	I CENTRAFUGE,
Туре								Funnel V]										BINS AND MIX OFF BINS, MOVE 400 BBL	S	
Serial No								Flu	uid Loss]—						17:30	19:45	2.2	51	REVIEW COP AND RIG UP POWER CORD	S,AIR AND WATER LINE	ES, PASON AND LEI
Jets									pН														MONITORS, NATURAL GAS, ALL EQUIPM	IENT GROUNDED	
							Loc	ation of	Sample				SO	LIDS C	ONTR	OL			19:45	20:00	0.2	521	HAND OVER AND PLAN FORWARD MEE	ETING WITH ARC OSS	
Depth Out (m)									Depth				Ea	uipment	Hours	Intake	Over Flow	Under Flow							
Depth In (m)									PVT				Ì	Name	Run	Density	Density	Density							
Total Drilled (m)							CIR	CULA	TION																
Hrs Run Today							Pump#	Туре	Liner Size	SPM	Pressu	re Hours Ru	·												
Cumulative Hrs Run							1	l I	140		0	0 (
Entry Date							2	2	127	r I	0	0 (MU	D MA		LS ADD									
CUTTING STRU	JCTURE	<u> </u>	1	Drill Pipe	Stands								1—		Product		Am	ount Type							
TI	Gage		1	Drill Pipe	Singles								1												
TO	ODC			Kelly Down			Remar	ks:					1												
MDC Rea	son Pulled			Total									1												
LOC Total	Run (m/hr)			Weight of DC																					
BRG				Weight of String									1∟						Remar	ks:					
METRES DRIL	LED		HO	LE CONDIT	ION								<u> </u>												
From To D-R-	C RPM	WOB	Hole	e Drag Up	Do	iwn	RED	UCE	D PU	MP S	SPEE	D													
			Torque	at Bottom			Pump N	lo. Pre	ssure S	strokes/	min	Depth	Boi	lor											
			Fill o	on Bottom					@	(0			oiler #	Hours F	Run	рН	Stack Temp	SAF	ETY					
									@	(0				1100131	un	pri	otaon temp				9	Safety Topic	MEHL	MACP
									@	(2								RIG MC	VE				15.00kdaN	0kP

TOU	R 3		SIGN/	ATUR	e oi	F DRILLER	3							JASON	GILES										S	TAR			20:00	EN		24:00
BITS					D	RILLING A	SSE	ЛВĽ	Y	MU	D RE(CORI)					ON SU					TIM	E LO	G							
	Bit Num	ber 1			No	Component	OD	ID	Length		Ν	/lud Typ	e Water	Oil		Time	Depth	Deviation	Direc	tion	Ty	уре	From	To	Elapse	d Coo	e	De	tails of Op	perations	in Sequence & Remark	s
	S	Size		27	9.	1BIT	279	0	0.28m				Other			22:45	0m		d	0			20:00	21:15	1.	251	RIG UP TO	SPUD				
	IADC Co	ode				1MOTOR	203	0	8.04m			Time				23:15	1	0.	4	51			21:15	21:30	0.	257	RIG SERVICE	E - GREAS	E/INSPECT	T TOP DRI	VE & DRAW WORKS, GF	EASE AND INSPECT
M	anufactu	irer SICC	DTTE		_ ·	1BELL SUB	165	72	0.80m			Density				23:45	57.98m	0.	7	55.6							CROWN					
	T	ype SS5	I6GB		·	1NM SLICK MON	EL 165	73	9.22m		Funnel V	iscosity											21:30	21:45	0.	2521	REVIEW CO	DP 2-1 WI	TH DISCO	VERY DI	RECTIONAL	
	Serial	No		1262	9	1GAP SUB	164	80	1.68m		Flu	uid Loss											21:45	22:45	1.	0020	PICK UP DI	RECTIO	NAL BHA	#1		
	J	lets 14.	3 14.3 1	4.3 14.	.3	1NM SLICK MON	EL 165	72	9.13m			pН											22:45	23:00	0.	2521D	BREAK CIRCI	ULATION-	CHECK FO	R LEAKS -	PRE-SPUD SAFETY MEE	TING - HAZARD HUNT
		14.	3 14.3 1	4.3		JARS-HYD/MEC	H 166	71	5.49m	Loc	ation of	Sample				SOL	IDS	CONT	ROL				23:00	23:30	0.	502	SPUD AND	DRILL 27	9mm HOL	E FROM	0m TO 72m	
De	pth Out	(m)				1x/0	158	71	0.90m			Depth				Eau	upment	Hours	s Int	ake (Over Flow	Under Flow	23:30	24:00	0.	5020A	ACCUMULA	TED,DIR	ECTIONAL	L SURVE	YS,WORK PIPE AND C	ONNECTIONS
[)epth In	(m)			0	4HWDP(4.5 IN)	114	71	37.44m			PVT				ľ l	Vame	Run	Der	nsity	Density	Density										
Tota	l Drilled	(m)		7	2					CIR	CULA	TION																				
Hrs	Run To	day		0.5	0					Pump#	Туре	Liner Siz	e SPM	Pressure H	lours Run																	
Cumulat	ive Hrs F	Run		0.5	0					1	COMBIN-	14	125	4740	1																	
	Entry D	ate 2016.	05/04								COMBIN-	12	7 125	4740	1	MU	D MA	TERIA		DDE												
CUTTI	NG S	TRUC	TUR	=	(Drill Pipe	Sta	nds	0.00m				1					Produc	ct		Amo	ount Type										
TI			Gage		(o Drill Pipe	Sing	gles	0.00m				1																			
TO			ODC			Kelly Dow	'n		-0.98m	Remai	ks:		·																			
MDC		Reaso	n Pulled			Tot	al		72.00m																							
LOC	_	Total Ru	n (m/hr)			Weight of D	С																									
BRG						Weight of Strir	Ig		24kdaN														Remar	ks: HO	PECT AL	L FLOOI	EQUIPMENT, C	CIRCULATIN	NG SYSTEM	M, CONDUC	CTOR/FLOW LINE, MUD F	UMPS,ALL TUGER
METR	ES D	RILL	ED		H	OLE COND	ΙΤΙΟ	Ν								<u> </u>					_	_	INSPE	CT ESC	APE BU	GGY/N	ONKEYBOARI	D SRL				
From	To	D-R-C	RPM	WOB	H	ole Drag Up [1	Down						PEED							_		FUNCT	ION AL	L TRAV	EL STO	PS/LIMITS & C	ROWN SA	AVER			
0m	72m	DRILL	60	6kdal	N Toro	ue at Bottom		58	00.00Nm	Pump N	lo. Pres	ssure	Strokes/n	nin Dep	pth	Boil	lor						PRE-S	PUD RI	3 INSPE	CTION	HAZARD HU	NT				
					Fil	ll on Bottom			0.00m			@	0				iler #	Hours	Run	p	н	Stack Temp	SAF	ETY								
					_							@	0				101 11	.10013		p		otuon tomp					Safety Topic				MEHL	MACP
												@	0	2									Rig Up/	hazard I	nunt						25.00kdaN	0kPa

			FROM	NT PAC	àe sum	IMARY	1			0Y52529	heet Serial 9_2016050	4_2A		/endor Sofi				Year 2016	Month 05	<u> </u>	DAILY C 1) Daily Walk Ar 2) Detailed Insp	ound Inspect	tion		OP R			
License No	Wel	l Name								Surfac	e Location			1	Prov L	Loc Type	Unique We	ell Id			3) H2S Signs Po	sted if Requi	ired	,		_ ('	\mathbf{CAC}	DC)
31606	PARI	KLAND C5	-09-81-16W	/6						05-09-08	31-16W6			E	IC D	DLS	100/14-08	3-081-16W6	/00		4) Well Licence	& Stick Diag	ram Posted		\vdash		and	
Operator							0	Contractor						Rig No	١	Well Type			R	e-Entry	5) Flare Lines S 6) BOP Drills Pe	taked rformed			\vdash	-		
ARC RESOL	JRCES						F	RECISION	DRILLING,	DIV OF PE	DCLP			529		HORIZ					7) Visually Inspec		lare Lines & D	egasser Lines				
Operator's A 84	\FE							Contractor's 6DRL0033								Spud Date T 2016/05/04 2					1) Rig Site Heal 2) CAODC Rig S	afety Inspect	tion Checklist	(one/rig/mor	nth)	F	asc	
Signature of	f Operator	r Represen	ntative				5	Signature o	f Contractor	's Rig Man	ager				F	Rig Release	Date Time				 Mast Inspect Crown Saver 		aising or Low	ering		_	Pa	
Guy Rockaba	ar						N	ARC RAY	MOND												5) Motor Kills Ci					-	Pa	son
CODE		2	3	4	5	6	-	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		Kelly Bushing	Op Fuel
CODE	-																								23		FUEL @	08:00 HOURS
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillsterr Test	n Plug Back	Squeeze Cement	Fishin	g Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL	Rig	Boiler
n Tour 1																											Time	Тетр
Tour 2	4.50		1	1			1										1	1		1	0.50				İ	5.0		
Tour 3	1.25	0.50		1			0.25													1.	50 0.50		1			4.0	Wind Direct	
Total	5.75						0.25														50 1.00					9.0	Poad Condit	on

TOUR 1	S	IGNA	TURE	OF	DRILLER							Ν	/ARC R	AYMON										ST	ART	
BITS				DR	ILLING AS	SEI	MBL	Y	MU	D RE	CORI)						RVEYS				TIM	E LO	G		
Bit Numbe	er			No	Component	0D	ID	Length		1	Mud Typ	e Water	r 🗌 🛛	0il 🗌	Time	Depth	Deviation	Direction		Туре		From	To	Elapsed	Code	e Details of Operations in Sequence & Remarks
Siz	e								1			Other														
IADC Cod	le										Time				1—											
Manufacture	er]		Density															
Тур	e]		/iscosity															
Serial N	lo									FI	uid Loss											iL				
Jet	ts										рH											i				
									Loc	ation of	Sample				SO	LIDS	CONTR	OL								
Depth Out (m]]		Depth					quipment	Hours	Intake	Over Flo		Inder Flow					
Depth In (m											PVT					Name	Run	Density	Densit	у	Density					
Total Drilled (m				\square					_		TION						_		_							
Hrs Run Toda				\square					Pump#	Туре	Liner Siz	e SPM	Pressu	re Hours Ru	n		-									
Cumulative Hrs Ru				\square			\square															<u> </u>				
Entry Dat				\square											MU		Product	LS ADI		mount	t Type					
CUTTING ST	RUC			$ \rightarrow $	Drill Pipe		ands										FIUUUC		A	moum	L Type	iL				
П		Gage			Drill Pipe		gles															i				
TO		ODC			Kelly Down	H			Remai	rks:												<u> </u>				
	Reason				Total	H																┣──				
LOC T BRG	otal Run	(11/11)			Weight of DC																+	0	4			
METRES DR					Weight of String																	Remar	KS:			
	D-R-C		WOB		e Drag Up		Down		DEF			MP S	DEE	D								1				
	D-n-0		WUD				Dowi	1				Strokes/r		Depth												
					e at Bottom					10. 110	@	Sti UKES/I		Depui	Boi							SAF	ETV			
				Fill	on Bottom					-	0	(_		B	oiler #	Hours F	Run	рH	Sta	ick Temp					Safety Topic MEHL MACP
											Q	6			1⊢—		-						_			INCOLOUR INFO
									L				_							L						

TOUR 2	SIG	NAT	JRE	OF	DRILLEI	R						SYLV	/AIN AI	RSENAUL	т									ST	ART		08:0	00	END	TIME		20:00
BITS				DR	LLING A	SSE	ΜВ	LY	MUC	D RE	CORI	>						RVEY				тім	ELC	G								
Bit Number				No	Component	t 0D	ID ID	Length		Ν	Aud Type	e Wate	er 🔲	0il	Time	Depth	Deviatio	n Directio	n	Ту	De	From	To	Elapsed	I Code		Details	of Opera	tions in S	equence &	Remarks	
Size												Other [1	1							
IADC Code											Time				1									1	1							
Manufacturer							1				Density				1				_					1	1							
Туре									F	Funnel V	iscosity				1—			-	_					1	1							
Serial No										Flu	uid Loss				1⊢			-	+-					1								
Jets							1				pН				1			1	+-					1								
									Loca	ation of	Sample				so		CONT	ROL						1		İ						
Depth Out (m)											Depth					uipment	Hou			ver Flow	Under Flow			1		1						
Depth In (m)				Ť			1				PVT		1			Name	Rur		ity 1	Density	Density			1		1						
Total Drilled (m)									CIRC	ULA	TION													1	1							
Hrs Run Today							1		Pump#		Liner Siz		Press	ure Hours R	in									1								
Cumulative Hrs Run															1									1		İ						
Entry Date													-		MU	D MA	TERI/	ALS AI	DEI					1		İ						
UTTING STRU	ICTU	RE		i i	Drill Pipe	St	ands				1		+				Produ	ct		Amo	unt Type			1		1						
TI	Ga	ge		1	Drill Pipe	Si	ngles						+		1—					_					1	1						
TO	0	DC			Kelly Dov	wn			Remar	ks:					1⊢						_					1						
MDC Rea	son Pul	ed			То	ıtal									1									1		İ						
LOC Total	Run (m/	hr)			Weight of I	DC 🗌																		1		İ						
BRG					Weight of Stri																	Remar	ks:									
METRES DRIL	LED			но	LE CONI	DITIC	DN		L						-																	
From To D-R-	C RP	ΜV	/0B		Drag Up		Dov	vn 🗌	RED	UCE	D PU	MP S	SPE	ED																		
					at Bottom				Pump N					Depth																		
					n Bottom						@	_	@		Boi			Dur	-		had Tour	SAF	ЕТΥ									
				T AL U	II DOLLOIII						@		@		BC	oiler #	Hours	KUN	рH	1	Stack Temp					Safety Topic				MEHI		MACP
			_								@		@		1⊢—		1					RIG MO	VE							15	5.00kdaN	

TOUR 3	3	SIGNA	TURE	OF	DRILLER								JASC	ON GILE	s									ST	ART			24:00
BITS				DR	ILLING AS	SEI	ИВІ	Y	MUD	REC	OR)			DE	VIATI	ON SU	RVEYS				ТІМ	ELC	G				
Bit Nun	nber			No	Component	0D	ID	Length	1	M	ud Type	e Water)il 🗌	Time	Depth	Deviation	Direction		Тур	pe	From	To	Elapsed	Code	Details of Operations i	n Sequence & Remarks	
	Size								11			Other 🗌																
IADC C	Code										Time				1—								1		1			
Manufact	turer]		Density]	-		-	-									
1	Туре								Fu	innel Vi						-			+									
Seria	al No]	Flui	d Loss																	
	Jets]		pН																	
									Locat	tion of S	Sample				SO	LIDS	CONT	ROL										
Depth Out]]		Depth					uipment	Hour				Under Flow							
Depth In											PVT				l i	Name	Run	Densit	y De	ensity	Density							
Total Drilled									CIRC	ULA'	ΓΙΟΝ																	
Hrs Run To									Pump#	Туре	Liner Siz	e SPM	Pressur	e Hours Ru	in		_	_	_									
Cumulative Hrs																												
Entry I															MU	JD MA		LS AD	DED		Ture							
CUTTING S	STRU				Drill Pipe		nds										Produ	CT		Amo	unt Type							
П		Gage			Drill Pipe	Sin	gles													+		i						
TO		ODC			Kelly Down				Remarks	S:												1						
MDC		on Pulled		1	Total																							
LOC	Total Ru	un (m/hr)			Weight of DC															_								
BRG					Weight of String															+	_	Remai	'ks: RE	VIEW CO	P 2-1 B	HA, 2-3 DERRICK CONNECTIONS		
METRES D				НС	LE CONDI	TIO	N							_						+		1						
From To	D-R-C	RPM	WOB	Но	le Drag Up 🗌		Dow	n	REDU													1						
				Torqu	e at Bottom				Pump No	. Pres	\rightarrow		_	Depth	Boi	iler						Í	_					
				Fill	on Bottom				∥		@	@				oiler #	Hours	Run	pН	5	Stack Temp	SAF	ETY					
									·		@	@	_													Safety Topic	MEHL	MACP
	1	1							1	1	@	@			11		1					Ria Up/	hazard	hunt			25.00kdaN	0kPa

			FROM	IT PAC	È SUM	MARY					heet Serial 9_2016050			/endor Sofi ison	tware Ve	ersion		Year 2016	Month 05	05	1) Daily Walk Ar	ound Inspect	tion		GR MF		ŀ	
License No	We	ell Name								Surfac	e Location	_			Prov	Loc Type	Unique We	ell Id			2) Detailed Insp 3) H2S Signs Po			ieck List)	GR MF	- ((CAO	DC)
31606	PAR	RKLAND C5-	09-81-16W	/6						05-09-0	81-16W6			E	BC D	DLS	103/14-08	8-081-16W6/	/00		4) Well Licence	& Stick Diag			GR MF		A	
Operator							(ontractor						Rig No		Well Type			Re		 Flare Lines S 6) BOP Drills Pe 					-		
ARC RESOUR	RCES						F	RECISION	DRILLING,	DIV OF P	DCLP			529		HORIZ					7) Visually Inspec	ted BOPs - F	lare Lines & D	Degasser Lines	s			
Operator's AF	E						0	ontractor's	s Job No						1	Spud Date T	ime				1) Rig Site Healt	h & Safety N	Aeetina (one/	(crew/month)		- p	aso	n
16DRL0036							8	4								2016/05/04 2				1	2) CAODC Rig S	afety Inspect	tion Checklis	t (one/rig/mo	onth)			
Signature of		or Represent	ative						f Contractor	's Rig Mar	ager					Rig Release	Date Time				 Mast Inspecti Crown Saver 	on before Ra Checked	aising or Low	vering	ME		Paso	1
Guy Rockabar	r						N	IARC RAY	MOND												5) Motor Kills Cl							
CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		Kelly Bushing 5.98	0p Fuel 2325.00
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drilg Line	Dev Survey		Run Csg & Cement		Nipple Up BOP	Test BOP	Drillsten Test	n Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL	Rig 21975	Boiler
n Tour 1		5.25			0.25		0.25													2.	00 0.25			1		8.00	H Time	5:00 2.00
G Tour 2		0.50			1.25	2.75						3.25	2.00							0.	75 1.50					12.00	Current Condition	15
o Tour 3														3.75			1			1	0.25			1		4.00	SW	Wind Strength UP TO 19 KM/H
Tour 1 Tour 2 Tour 3 Total		5.75			1.50	2.75	0.25					3.25	2.00	3.75			1			2.	75 2.00			1		24.00	Road Condition GOOD	
TOUR	1	SIG	NATUF	RE OF	DRILLE	R					JA	SON GILES									STAF	ат тім	E	00:00	o	END TIM	E	08:00

Bit Number DRILLING ASSEMBLY MUD RECORD DEVIATION SURVEYS TIME LOC Bit Number No Component 00 0 Imm Deviation Time Deviation Deviati													_														
Site 27 18/T 20 0.028 </th <th>BITS</th> <th></th> <th>DF</th> <th>RILLING AS</th> <th>SEN</th> <th>MBL</th> <th>LY </th> <th>MUD</th> <th>RE</th> <th>CORI</th> <th>D</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>TIME</th> <th>E LO</th> <th>G</th> <th></th> <th></th> <th></th> <th></th> <th></th>	BITS		DF	RILLING AS	SEN	MBL	LY	MUD	RE	CORI	D									TIME	E LO	G					
Idd Code Idd Idd Outso Idd Outso Outso <td>Bit Number</td> <td>r 1</td> <td>No</td> <td>Component</td> <td>OD</td> <td>ID</td> <td>Length</td> <td></td> <td>Ν</td> <td>/lud Typ</td> <td>e Wate</td> <td>er 🗴 🛛 Oil 🗌</td> <td>Time</td> <td>Depth</td> <td>Deviation</td> <td>Direction</td> <td>T</td> <td>уре</td> <td></td> <td>From</td> <td>To</td> <td>Elapsed</td> <td>ode Det</td> <td>ails of Operations</td> <td>n Sequence & Rem</td> <td>arks</td> <td></td>	Bit Number	r 1	No	Component	OD	ID	Length		Ν	/lud Typ	e Wate	er 🗴 🛛 Oil 🗌	Time	Depth	Deviation	Direction	T	уре		From	To	Elapsed	ode Det	ails of Operations	n Sequence & Rem	arks	
Manufacture Social Size	Size	279	1	віт	279	0	0.28m				Other			+						00:00	05:15	5.25	DRILL 279mm HOLE F	ROM 72m TO 489	м		
Type SS616GB INM SLICK MONEL 168 7 9 and solution 9 and solution<	IADC Code		1	MOTOR	203	0	8.04m			Time		07:30		+						05:15	07:15	2.00	A ACCUMULATED,DIRE	CTIONAL SURVE	S,WORK PIPE AN	D CONNE	CTIONS
Serial Na Induces more to a local method by the series of th	Manufacturer	r SICOTTE	1	BELL SUB	165	72	0.80m					1200		+						07:15	07:30	0.25	RIG SERVICE - INSPE	CT/GREASE TOP	DRIVE & DRAW W	ORKS	
Instruction Instruction <thinstruction< th=""> <thinstruction< th=""></thinstruction<></thinstruction<>	Туре	SS516GB	1	NM SLICK MONEL	165	73	9.22m	F				48s/l		++						07:30	07:45	0.25	CREW CHANGE SAFE	TY MEETING/PLAP	FORWARD W/RIG	MANAGE	R & ARC OSS
Ital Ital <th< td=""><td>Serial No</td><td>12629</td><td>1</td><td>GAP SUB</td><td>164</td><td>80</td><td>1.68m</td><td></td><td>Flu</td><td>uid Loss</td><td></td><td></td><td></td><td>+ +</td><td></td><td></td><td></td><td></td><td></td><td>07:45</td><td>08:00</td><td>0.25</td><td>CIRCULATE HOLE CL</td><td>EAN PRIOR TO W</td><td>IPPER TRIP SURF/</td><td>ACE</td><td></td></th<>	Serial No	12629	1	GAP SUB	164	80	1.68m		Flu	uid Loss				+ +						07:45	08:00	0.25	CIRCULATE HOLE CL	EAN PRIOR TO W	IPPER TRIP SURF/	ACE	
Depth Out (m) I I VO 1s 7 I 0.90n Depth In (m) I <	Jets	s 14.3 14.3 14.3 14.3	1	NM SLICK MONEL	165	72	9.13m							+													
Depth In (m) O I 37 x 4.5 'HWDP I 14 71 346 32m PVT I 8 m Cupulation Pute f PVT I 8 m PVT PVT I 8 m I 8 m I 8 m I 8 m I 8 m I 8 m I 8 m I 8 m I 8 m I 8 m I 8 m I 8 m I 8 m I			1	JARS-HYD/MECH	1 166	71	5.49m	Loca	tion of		SHAK	ERS	SO	LIDS	CONTR	OL											
Total Drilled (m) (m)		, <u> </u>	1	x/0	158	71	0.90m					450m															
His Run Today 5.25 Image: Constrained of the product of the produ		·	1	37 x 4.5" HWDP	114	71	346.32m					18m3			Run												
Cumulative Hrs Run 5.25 Image: State St		·						CIRC	ULA	TION			CENT	RIFUGE	-	6 122	120	0	2000								
Entry Date Drill Pipe Stands S7.85m MUD MATERIALS ADDED CUTTING STRUCTURE 3 Drill Pipe Stands S7.85m MID A <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Pump#</td> <td>Туре</td> <td>Liner Siz</td> <td>e SPM</td> <td>Pressure Hours F</td> <td>un</td> <td></td> <td>-</td> <td>-</td> <td></td>								Pump#	Туре	Liner Siz	e SPM	Pressure Hours F	un		-	-											
CUTTING STRUCTURE 3 Drill Pipe Stands 87.86 Image: Product Amount Type Image: Product Product Product P								1	COMBINE	14	0 1:	30 11750	8														
Time Gage Solution Sol								2	COMBINED	12	7 1:	30 11750	8					ount	Type								
Till Gage 2 Dill Pipe Singles 18.79m GeL 20 EACH Loc MDC Reason Pulled 1.000 Remarks: NEW ZAN 2 EACH 1 <	CUTTING ST			1.1									SAW		FIUUUC	ι	AIII										
MDC Reason Pulled Total 499.50m Network 1 PALS Image: Constraints of the pulled of t	П		2			gles								,001													
LOC Total Run (m/m) Weight of DC Okdan Weight of DC			-					Remark	(S:				NEW	ZAN				2	EACH								
BRG Weight of String 40kdaN METRES DRILLED HOLE CONDITION From To D-R-C RPM Word Remarks: INSPECT ALL FLORE COUPMENT, CIRCULATING SYSTEM, CONDUCTORFLOW LINE, MUD PUMPSALL TUGER H Hole Drag Up _ 100m _ 1 Remarks: INSPECT ALL FLORE COUPMENT, CIRCULATING SYSTEM, CONDUCTORFLOW LINE, MUD PUMPSALL TUGER H Hole Drag Up _ 100m _ 1 Remarks: USE SUNSS			-										NEW	WASH				1	PAILS								
METRES DRILLED HOLE CONDITION INSPEct ESCAPE BUGGY/MONKEYBOARD SRL From To Dr.R-C RPM W08 Hole Drag Up _ 1 Down _ 1 REDUCED PUMP SPEED From Control ALL TRAVEL STOPS/LIMITS & CROW SAVER		otal Run (m/hr)	-															_			INC		R FOURIDMENT, CIRCUI ATING S	VETEM CONDUCTOR	ELOW LINE MUD DUA		CER HOOKS/
From To D-R-C RPM W0B Hole Drag Up 1 Down 1 REDUCED PUMP SPEED							40kdaN																		FEOW EINE, MOD FOW	F 3,ALL TOO	SER HOOKS
					1							-		-										√ER			
	72m 489m	DRILL 60 13kdaN	Torq	ue at Bottom		12	500.00Nm	Pump N	o. Pres				Boi	iler								2-3 DERRIC	CONNECTIONS			_	
Fill on Bottom 0.00m @ 0 Boiler # Hours Run pH Stack Temp			Fil	I on Bottom			0.00m	<u> </u>	-		_	-	В	oiler #	Hours F	Run	pН	Stack 1	Temp	SAF	ETY		0-6-1-71-		MELL		MAGD
								<u> </u>			_	-											Sarety Topić			_	MACP
			J							<i>@</i>		(C)								Connecti	ions				40.00kc	iaN	0kPa

TOUR 2	SIGNATURE	OF	DRILLER						SYLVAIN	ARSENAUL	T									ST	ART			20:00
BITS		DR	ILLING AS	SEM	BLY	MUD	REC	OR)		DE	VIATI	ON SI	URVE	YS			TIME	E LO	G				
Bit Number 1		No	Component	OD I	D Length		M	lud Type	e Water	0il	Time	Depth	Deviatio	on Direc	tion	Ту	oe e	From	To	Elapsed	Code	Details of Operations	in Sequence & Remarks	
Size	279								Other]			_				08:00	08:15	0.25	21	SAFETY MEETING ON TRIPPING OUT	REV COP 2-4	
IADC Code								Time]—				_			08:15	10:30	2.25	6M	WIPER TRIP SURFACE HOLE TO BHA THE	N RUN BACK IN HOLE WAS	H ANY TIGHT SPOT
Manufacturer SI]		Density						_				10:30	11:00	0.50	2	DRILL FROM 489M TO 502M		
Type SS	S516GB					Fi	unnel Vi	scosity				-						11:00	11:30	0.50	5	CONDITION MUD & CIRCULATE HOLE	CLEAN	
Serial No	12629						Flu	id Loss										11:30	11:45	0.25	21	SAFETY MEETING PRIOR TO TRIP OU	T FOR CASING	
Jets 1	14.3 14.3 14.3 14.3]		pН						1				11:45	12:15	0.50	6B	TRIP OUT OF HOLE		
1	14.3 14.3 14.3					Loca	tion of S	Sample			SO	LIDS	CONT	TROL				12:15	12:30	0.25	21	SAFETY MEETING WITH DD ON HAND	LE BHA	
Depth Out (m)	502							Depth			Eq	uipment					Under Flow	12:30	13:15	0.75	20	DIRECTIONAL WORK LAY OUT ALL TO	OLS	
Depth In (m)	0							PVT			i	Name	Ru	ın Der	nsity	Density	Density	13:15	13:45	0.50	21	SAFETY MEETING AND RIG UP POWE	R TONG TO RUN 219MN	CASING
Total Drilled (m)	502					CIRC	ULA	TION										13:45	16:00	2.25	12B	RUN 219MM CASING FROM 0M TO 502	M WASH DOWN 3 JOIN	TO BOTTOM
Hrs Run Today						Pump#	Туре	Liner Siz	e SPM P	ressure Hours Ru	n							16:00	16:45	0.75	5	CONDITION MUD & CIRCULATE HOLE	PRIOR TO CEMENT SUI	RFACE
Cumulative Hrs Run	5.50					1	COMBIN-	140	0 125	12000						_		16:45	17:00	0.25	21	SAFETY MEETING WITH TRICAN/RIG 1	THEM UP	
Entry Date 20						2	COMBIN-	127	7 125	12000	MU	D MA		ALS A	DD:			17:00	18:00	1.00	12C	Pumped 4m ³ H2O ahead, 21T TSC 1700K	G 1% CACL2 2% LCM-2 0	J.2% AFA-6 (20m ³).
CUTTING STRU	JCTURE		Drill Pipe	Stand	ds						1—		Prod	luct		Amo	unt Type					Displaced with 16.84m ³ Fresh H2O. Bum	p plug 3500 Kpa over FCF	Floats Held.
TI 2	Gage 0		Drill Pipe	Single	es						1—											4m3 cement returns to surface. Plug down	n @17:48hrs. 05/05/2016.	Annulus
T0 2	ODC WT		Kelly Down			Remark	IS:				1											static no fall back.		
MDC LT Rea	ason Pulled TD		Total															18:00	20:00	2.00	13	WAIT ON CEMENT RIG OUT TRICAN R	EMOVE AND FLUSH CO	NDUCTER
LOC A Total	Run (m/hr) 91.27		Weight of DC																					
BRG X			Weight of String								1—							Remark	(S: INSF	ECT ALL FI	LOOR E	UIPMENT, CIRCULATING SYSTEM, CONDUCTO	R/FLOW LINE, MUD PUMPS,A	.L TUGER HOOKS/
METRES DRIL	LED	HO	LE CONDI	TION														INSPEC	TESCA	PE BUG	GY/ MC	NKEYBOARD SRL		
From To D-R-	-C RPM WOB	Hol	e Drag Up	3 [Down 2				MP SP									FUNCTI	ON ALL	TRAVEL	STOP	S/LIMITS & CROWN SAVER		
489m 502m DRI	ILL 60 14kdaN	Torqu	e at Bottom		3000.00Nn	Pump No	o. Pres	sure S	Strokes/mir	Depth	Boi	lor						INSPEC	T TON	G HAND E	QIP			
		Fill	on Bottom		0.00n			@	0			nier #	Hour	rs Bun	r	H S	Stack Temp	SAF	ETY					
					0.001	1		@	0				Tiour	is null	ŀ		Juon romp					Safety Topic	MEHL	MACP
								@	@									RUN CA	SING/C	EMENT			40.00kdaN	0kPa

TOUR 3 SIGN	IATURE	E OF	DRILLER							JAS	ON GILE									S	ART	TIME 20:00	END TIME		24:00
BITS		DR	ILLING ASS	SEM	BLY	MU	D RE	CORE)					ON SUR				ТІМ	E LC	G					
Bit Number		No	Component	OD I	D Length		Ν	lud Type	Water	· 🗌 ()il 🗌	Time	Depth	Deviation	Direction	T	уре	From	To	Elapse	I Code	Details of	Operations in Sequence	& Remarks	
Size									Other]						20:00	21:00	1.0	014	CUT CASING/CONDUCTOR	- WELD ON CASING BO	NL	
IADC Code								Time										21:00	21:18	5 0.2	521	REVIEW COP 5-2 NIPPLE UI	P BOPs		
Manufacturer								Density										21:15	24:00	2.7	514	NIPPLE UP BOPs			
Туре						1 1	Funnel V											i							
Serial No							Flu	id Loss																	
Jets						1		pН										1							
						Loc	ation of					SOL	LIDS (ONTR	OL										
Depth Out (m)					_	1		Depth				Equ	uipment	Hours	Intake		Under Flow								
Depth In (m)					_			PVT					Name	Run	Density	Density	Density								
Total Drilled (m)		╢─┤			-			TION										⊢							
Hrs Run Today		╢─┤			_	Pump#	Туре	Liner Size	SPM	Pressur	e Hours Ru	1		-											
Cumulative Hrs Run Entry Date		╢─┤		\vdash	-	1		140		2	0 0	MIL		TERIAL		ED		i							
			Drill Pipe	Stand		2		127	1 1	2	0 0		DIMA	Product	3 ADD		ount Type	╏────							
TI Gag				Stand	-	╢────					-							i			-				
TO OD		╢──╵	Kelly Down	Siliyi	5	Remar	1														+				
MDC Beason Pulle		-	Total			Remar	KS:					┨───						╟───			+				
LOC Total Run (m/h	-	1	Weight of DC			╢────															+				
BRG	″ <u> </u>	1	Weight of String			╢───												Remar	ke. INS	PECT ALL	FLOOR	QUIPMENT, CIRCULATING SYST	TEM, CONDUCTOR/FLOW LI	NE, MUD PUI	MPS,ALL TUGER
METRES DRILLED			LE CONDIT																			NKEYBOARD SRL			
From To D-R-C RPM	I WOB		e Drag Up		Down	RED	UCE	D PU	MP S	PEE	D											LIMITS & CROWN SAVER			
		1	e at Bottom			Pump N					Depth											SING BOWL, 5-2 NIPPLE UP	BOPs		
	1	1	on Bottom			1		@	(_		Boi		Harry D		-11	Olevel, Terrer	SAF	ETY						
	1		UI DOLLOIII					@	(Ð		BO	viler #	Hours R	un	рН	Stack Temp				9	afety Topic	MEH	1L	MACP
		1						@	(Ð								Weld Bo	owl/Nipl	e Up			1	6.00kdaN	0kPa

			FROM	IT PAC	àe sum	MARY	,				heet Serial 9_2016050			lendor Sofi	tware Ve	ersion		Year 2016	Month 05	Day 05	1) Daily Wal 2) Detailed	Around Insp	ection eekly (Using C	check List)	OP R		ŀ	
License No	We	II Name								Surfac	e Location			1	Prov	Loc Type	Unique W	ell Id			3) H2S Sign	Posted if Re	quired			= ('	CAO.	DC
31606	PAR	KLAND C5-	09-81-16W	/6						05-09-0	81-16W6			E	BC [DLS	103/14-0	8-081-16W6	6/00		 Well Lice Flare Line 		agram Posted		\vdash			
Operator							(Contractor						Rig No		Well Type			F	le <u>-Entry</u>	6) BOP Drill	S Stakeu Performed				-		
ARC RESOU	IRCES						F	RECISION	DRILLING,	DIV OF PI	DCLP			529		HORIZ					7) Visually In	pected BOPs	Flare Lines &	Degasser Line	s			
Operator's A 16DRL0036	FE						(8	Contractor's 34	s Job No						2	Spud Date T 2016/05/04 2	3:00				2) CAODC R	g Safety Insp	/ Meeting (one ection Checklis	st (one/rig/mo) onth)	- 1	aso	
Signature of Guy Rockaba		or Represent	tative					Signature o MARC RAY	f Contractor MOND	's Rig Man	ager					Rig Release	Date Time	9			 Mast Insp 4) Crown Sa 5) Motor Kil 	ver Checked	Raising or Lov	wering	E		Pason	
CODE	4	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20) 21	22	23	24	25		Kelly Bushing	Op Fuel
	•																									_	FUEL @ 08	00 HOURS
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drilg Line	Dev Survev	Wireline Loas	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillsten Test	n Plug Back	Squeeze	Fishin	g Dir Wor	k Meeti	y Tear 10 Dowr	Waiting On	Rig Watch	Other	TOTAL	Rig	Boiler
Tour 1		5.25			0.25		0.25	1												1	2.00 0	.25				8.0	D # Time	Temp
Tour 2		0.50			1.25	2.75						3.25	2.00		1					().75 1	.50				12.0	D Current Conditions	
Tour 3														3.75							(.25				4.0	Wind Direction	Wind Strength
Total		5.75		İ	1.50	2.75	0.25					3.25	2.00	3.75			1				2.75 2	.00				24.0	Poad Condition	
																											_	

TOUR 1	SIGNA	TURE	OF	DRILLER							JASO	N GILES	s									ST	ART	TIME 00:00		08:00
BITS			DR	ILLING ASS	EN	IBLY	MU	D RE	COR	D			DE	VIATIO	ON SU	RVEYS				ТІМ	ELC	G				
Bit Number	r		No	Component (DD	ID Length		N	Mud Typ	e Water	· 🗌 0	il 🗌	Time	Depth	Deviation	Direction		Туре	e	From	To	Elapsed	Code	Details of Opera	tions in Sequence & Remarks	5
Size							1			Other [1		·	
IADC Code						1			Time				1									1	1	Ì		
Manufacturer	r								Density				┣—													
Туре								Funnel V	/iscosity				┣──													
Serial No								Flu	uid Loss]—													
Jets	5								рH																	
							Loc	ation of	Sample				SO	LIDS (CONT	ROL										
Depth Out (m))								Depth					uipment	Hours				Under Flow							
Depth In (m)									PVT				Î	Vame	Run	Density	Dens	ity	Density							
Total Drilled (m))						CIR	CULA	TION						_											
Hrs Run Today							Pump#	Туре	Liner Siz	e SPM	Pressure	Hours Ru	n					_								
Cumulative Hrs Run														_			_									
Entry Date													MU	D MA		LS ADI			at Turn							
CUTTING ST	1				Star										Produc	t		Amou	nt Type	1						
TI	Gage				Sing	gles														1						
то	ODC			Kelly Down			Remar	ks:												1						
	Reason Pulled			Total																						
	otal Run (m/hr)			Weight of DC				_											_							
BRG				Weight of String															_	Remar	ks: OF	WELL HEAD	G MOVE	WELL HEADS EXPOSED AT BASE OF SUB	STAIRS/PUMPHOUSE & GEN.BUILI	JING - ROPE & FLAG
METRES DR				LE CONDIT					-			_								1						
From To D	-R-C RPM	WOB	Hol	e Drag Up		Down				IMP S										1						
			Torqu	e at Bottom			Pump N	lo. Pre	-	Strokes/		epth	Boi	ler												
			Fill	on Bottom				_	@	(_		Bo	iler #	Hours	Run	pН	St	tack Temp	SAF	ETY					
								_	@	(9	Safety Topic	MEHL	MACP
									@	(9									Connec	tions				40.00kdaN	0kPa

FOUR 2	S	IGNA	TURE	OF	DRILLER						SYLV	AIN ARSE	INAULT									ST	ART			20:00
BITS				DR	ILLING AS	SEME	SLY	MU) RE	COR)					N SUR				ТІМ	ELC	G				
Bit Number				No	Component	OD ID	Length	1	I	Mud Type	e Water	· 🗌 0i		Time	Depth	Deviation	Direction	T	уре	From	To	Elapsed	Code	Details of Operations i	n Sequence & Remarks	5
Size							1	1			Other 🗌															
IADC Code								1		Time				1										1		
Manufacturer								ור		Density																
Туре								י [Funnel V	/iscosity				──												
Serial No								11	Flu	uid Loss				1												
Jets								1		pН				1												
								Loc	ation of	Sample				SOL	IDS C	ONTR	OL						1			
Depth Out (m)										Depth					ipment	Hours	Intake	Over Flow	Under Flow							
Depth In (m)]		PVT				Ň	lame	Run	Density	Density	Density							
Total Drilled (m)								CIRC	CULA	TION																
Hrs Run Today								Pump#	Туре	Liner Siz	e SPM	Pressure	Hours Run													
umulative Hrs Run																										
Entry Date												1		MU	D MA1	ERIAL	S ADD									
UTTING STR	UCT	URE			Drill Pipe	Stands	_									Product		Am	ount Type							
п		Gage			Drill Pipe	Singles								──												
TO		ODC			Kelly Down			Remar	ks:											i						
	eason F				Total															1						
	al Run ((m/hr)			Weight of DC																					
BRG					Weight of String														_	Remar	ks: 🚟	ERVATION -OBSERV (ING UP FOR SNAG LEING TO WORK SA	VED WORKERS S ENTIRE TIVE VFE. FURTHER	TRIPPING OUT, WATED UNTILL SAFE TO APROACH. TOLD THEM GOOD JOB ON WHILE HOISTING, THEY MADE A PLAN REGARDING WHO WAS GOING TO LOOK DISCUSSED NEEPING OUR, WELL DOPED INCASE OF THE NEED TO SCREW IN A	I CLEANLINESS, AND BEING PREPPED FOR N UP WHILE HOISTING AND WHOM WOULD NU ND REAM TIGHT SPOTS, THANNED THEM FO	VEXT STEP, DISCUSSED UNDER PIPE ECT, THER OR COMITTING TO WOR
IETRES DRIL				но	LE CONDI	ΓΙΟΝ														HAZAR	D ID - I	BATTERY	BOX MI	SSING ONE OF TWO SAFETY PINS. INST	ALL SECOND SAFETY	PIN.
rom To D-R	R-C	RPM	WOB	Hole	e Drag Up	Do	iwn					PEED														
				Torque	at Bottom			Pump N	lo. Pre	ssure		_	epth	Boi	er			!								
				Fill	on Bottom			1∟		@	6	_			iler #	Hours R	ın	рH	Stack Temp	SAF	ETY					
								<u>'ا</u>		@	6								a man				S	Safety Topic	MEHL	MACP
	T									@	C	Ð								RUN CA	SING/	CEMENT			40.00kdaN	

TOURS	5	SIGN	ATURI	E OF D	RILLER								JAS	SON GILE	S									ST	ART	20:00		24:00
BITS				DRIL	LING AS	SEI	MBL	Y	MU	RE	CORI)						RVEYS				TIM	E LC	G				
Bit Nur	nber			No	Component	0D	ID	Length		N	Mud Typ	e Wate	er 🗌	0il	Time	Depth	Deviation	Direction		Туре		From	To	Elapsed	Code	e Details of Opera	tions in Sequence & Remarks	
	Size											Other [11										1			
IADC (Code										Time				1—		ļ								1			
Manufac	turer										Density				1										1			
	Туре								F	Funnel V	/iscosity				1										1			
Seria	al No							1		Flu	uid Loss				1—										1			
1	Jets										pН				1										1			
									Loci	ation of	Sample				SO	LIDS	CONT	ROL							1			
Depth Ou	t (m)										Depth					uipment		s Intake	Over F	low U	Inder Flow				1			
Depth Ir	ו (m)										PVT					Name	Run	Density	Dens	ity	Density		1					
Total Drilled									CIRC	ULA	TION																	
Hrs Run T	oday								Pump#	Туре	Liner Siz	e SPM	Pressu	ure Hours Ru	n		_	_										
Cumulative Hrs	Run																											
Entry												1			MU	D M/		LS AD										
CUTTING :	STRU	CTUR	3	Dri	ll Pipe	Sta	ands								1		Produ	ct		Amoun	t Type							
TI		Gage		Dri	ll Pipe	Sin	gles						1		1⊢													
TO		ODC			Kelly Down				Remar	ks:					1⊢													
MDC	Rea	son Pulled			Total	1									1													
LOC	Total	Run (m/hr)		-11	Weight of DC																							
BRG				W	eight of String										1—						-	Remar	'ks:					
METRES	DRILI	LED		HOL	E CONDI	TIO	N								_						-							
From To	D-R-	C RPM	WOB	Hole D	Irag Up 🗌		Down					MP \$									+							
				Torque at	Bottom				Pump N	o. Pre	ssure	Strokes/	min	Depth	Boi	lor			!									
				Fill on	Bottom						@		0			oiler #	Hours	Bun	рН	Sta	ick Temp	SAF	ETY					
				<u> </u>							@		0				liburo	- Carr	pri		ion romp				;	Safety Topic	MEHL	MACP
								l			@		0					1				Weld Bo	owl/Nip	e Up			16.00kdaN	0kPa
V. 1.3																												2 of 3

			FROM		GE SUM	MARY	7				heet Serial			/endor Softv	vare Vers	ion			Month			CHECK Around Inspe			GR MR		
License No	M	/ell Name									9_2016050 e Location	_	Pa	ason	rov Lo	ic Type	Unique We	2016	05	00	2) Detailed I	spection - We	ekly (Using Ch	eck List)			AODC)
																						Posted if Req	uired oram Posted		GR MR GR MR		AUDUJ
31606	PA	RKLAND C5	-09-81-16W	6						05-09-08	81-16W6			BC			103/14-08	-081-16W6/0			 Well Licer Flare Line 		gram Posteu		GR MR		
Operator								ontractor						Rig No		ell Type			F		6) BOP Drills				GR MR	_	
ARC RESOU	IRCES						P	RECISION	I DRILLING,	DIV OF PE	DCLP			529	H	ORIZ					Visually In:	pected BOPs -	Flare Lines & D	egasser Lines	GR MR		
Operator's A	FE						0	ontractor's	s Job No						Sp	oud Date Ti	me				1) Dia Cita II	all o Cafat.	Meeting (one/			- Dê	ason 🗋
16DRL0036							8	4							20	16/05/04 23	3:00				2) CAODC B	aiur & Salety Safety Insne	ction Checklist	(one/ria/mo	nth) MR		
Signature of	f Onerat	tor Represen	tative				S	ionature o	f Contractor	's Rig Man	ager				Bi	a Release	Date Time				3) Mast Insp	ction before l	Raising or Low			_	
Guy Rockaba			aaro					IARC RAY		o nig man	ugoi					9 11010400	bato mino				4) Crown Sa				MR		Pason
Out Hookabe									monto												5) Motor Kill	Спескеа			MR		y Bushing Op Fuel
CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		5.98 3104.00
CODE	1		3	4		6	7												19						25		5.98 3104.00 UEL @ 08:00 HOURS
CODE	1 Rig		3 Reaming	4 Coring	Cond Mud	6 Trips	7 Rig Service				Wireline	Run Csa	Wait On	Nipple Up	Test	Drillstem	Plua	Squeeze	19 Fishin	Dir	Safet	Tear	Waiting	Ria	25 Other		UEL @ 08:00 HOURS
	1 Rig Up	Drill		4 Coring			7 Rig Service		9 Cut Off Drilg Line		Wireline		Wait On			Drillstem Test				g Dir Work	Safet	g Tear	Waiting				
	fi Rig Up	Drill Actual	Reaming	4 Coring	Cond Mud	Trips	Service				Wireline	Run Csa	Wait On	Nipple Up	Test BOP	Drillstem Test	Plua	Squeeze		g Dir Work 1.	Safet Meetii 25 0	75 Tear	Waiting	Ria		TOTAL 89	UEL @ 08:00 HOURS 18871.00 Boiler 18871.00 Temp 05:00 2.00
	1 Rig Up	Drill Actual 5.75	Reaming	4 Coring	Cond Mud		Service 0.25				Wireline	Run Csa	Wait On	Nipple Up	Test BOP	Drillstem Test	Plua	Squeeze		g Dir Work 1. 3.	Safet Meetii 25 0 .00 1	75 75	Waiting	Ria		TOTAL ^{Rg} 8.00 12.00	UEL @ 08:00 HOURS 18871.00 Boiler 05:00 2.00 CLEAR Wind Direction Mind Streamth
Tour 1 Tour 2 Tour 3	1 Rig Up	Drill Actual 5.75 2.75	Reaming	4 Coring	Cond Mud	Trips 2.00	Service 0.25 0.25				Wireline	Run Csa	Wait On	Nipple Up	Test BOP	Drillstem Test	Plua	Squeeze		g Dir Work 1. 3.	Safet Meetin 25 0 .00 1 .75 0	r Tear g Down 75 00 25	Waiting	Ria		TOTAL ^{Rg} 12.00 4.00	UEL © 08:00 HOURS 18871.00 Bailer 0.00 Time 05:00 2.00 CLEAR Wind Direction Wind Strength WW Dro 19 KM/F
CODE Tour 1 Tour 2 Tour 3 Total	1 Rig Up	Drill Actual 5.75	Reaming	4 Coring	Cond Mud	Trips	Service 0.25 0.25				Wireline	Run Csa	Wait On	Nipple Up	Test BOP	Drillstem Test	Plua	Squeeze		g Dir Work 1. 3.	Safet Meetii 25 0 .00 1	r Tear g Down 75 00 25	Waiting	Ria		TOTAL ^{Rg} 8.00 12.00	UEL © 08:00 HOURS 18871.00 Bailer 0.00 Time 05:00 2.00 CLEAR Wind Direction Wind Strength WW Dro 19 KM/F
Tour 1 Tour 2 Tour 3	1 Rig Up	Drill Actual 5.75 2.75	Reaming	4 Coring	Cond Mud	Trips 2.00	Service 0.25 0.25				Wireline	Run Csa	Wait On	Nipple Up	Test BOP 6.00	Drillstem Test	Plua	Squeeze		g Dir Work 1. 3.	Safet Meetin 25 0 .00 1 .75 0	r Tear g Down 75 00 25	Waiting	Ria		TOTAL ^{Rg} 12.00 4.00	UEL © 08:00 HOURS 18871.00 Bailer 0.00 Time 05:00 2.00 CLEAR Wind Direction Wind Strength WW Dro 19 KM/F

TOUR	1	SIGN	ATUR	E OF	DRILLER							JASON GIL	ES								ST	ART			08:00
BITS				DF	RILLING AS	SEMB	LY	MUD	REC	ORD)				ON SUR				TIM	E LO	G				
Bit	Number	2		No	Component	OD ID	Length		M	ud Type	Water	Oil	Tim	e Depth	Deviation	Direction		Гуре	From	To	Elapsed	Code	Details of Operations in	n Sequence & Remarks	
	Size		171	1	віт	171 (0.23m][Other 📃								00:00	00:15	0.2	521	REVIEW COP 5-3 WITH SEMERRA PRES	SURE TESTERS	
IAE	OC Code			1	MOTOR	127 (8.68m			Time									00:15	05:45	5.50	015A	PRESSURE TEST UPPER/LOWER KILL LI	NES/UPPER/LOWER H	CR'S/ UPPER PIPE
Manu	facturer	HALIBURTO	N	1	NM SLICK MONEL	120 69	9.32m			Density													RAMS/LOWER PIPE RAMS/BLIND RAMS/C	HOKE LINES/MANIFOLD	LINES/STABBING
	Туре	MM65D		1	GAP SUB	126 69	1.71m	F	unnel Vis														VALVE/INSIDE BOP/CHECK VALVES/ ALL	TESTS 21,000 HIGH/ 10	000 KPA LOW . ALL
S	erial No		12484876	6 1	NM SLICK MONEL	120 69	9.27m		Flui	d Loss													TESTS 10 MIN HIGH/LOW . PT ANNULAR	t. 10,500 KPA	
	Jets	7.5 7.5	7.5 7.5	5 1	NM SLICK MONEL	117 69	9.26m			pН									05:45	06:15	0.50	015B	Accumulator Func.Test-Precharge=7000Kp	a, Start Press.=20500k	(pA, Annular
		7.5 7.5	7.5	1	х/о	134 61	0.94m	Loca	tion of S	Sample			SC	LIDS	CONTR	OL							20sec.T/C, Up/Low Pipe Rams 5sec.T/C E	ach, Up/Lo HCR 2sec.T	/O Each, Remain
	Out (m)			1	5 x 4.5" HWDP	114 72	46.80m]]		Depth			E	quipment	Hours	Intake	Over Flow						Press.= 11000kPa, Recharge Time=2mins.	39secs. N2 bttl.x4@ 15	857kPa
	:h In (m)		502	1	х/о	134 62	0.96m			PVT				Name	Run	Density	Density	Density	06:15	06:30	0.2	521	REVIEW COP 2-1 WITH DISCOVERY DIR	ECTIONAL	
Total Dr				1	JARS-HYD/MECH	133 57	5.50m	CIRC	ULAT	ΓΙΟΝ					_			-	06:30	07:45	1.2	520	PICK UP DIRECTIONAL BHA #2		
	n Today		0.00	1	х/о	134 68	0.94m	Pump#	Туре	Liner Size	SPM	Pressure Hours	Run						07:45	08:00	0.2	521	CREW CHANGE SAFETY MEETING/PLAN	FORWARD W/RIG MAN	AGER & ARC OSS
Cumulative			0.00	1	32 x 4.5" HWDP	114 71	299.52m	1		140	0	0	0												
		2016/05/06						2		127	0	0	0	UD MA	TERIAL Product			T and							
CUTTIN	g stf		_		Drill Pipe	Stands									Product		Ar	nount Type							
TI	_	Gage		2	Drill Pipe	Singles	19.50m												1						
TO	_	ODC		1	Kelly Down	L	1.62m	Remark	(S:										j						
MDC		leason Pulled		4	Total		502.00m																		
LOC	Tot	al Run (m/hr)			Weight of DC														-						
BRG					Weight of String		35kdaN												Remar	ks: FU	NCTION 1	RAVEL	STOPS/LIMITS & CROWN SAVER		
METRE	_				DLE CONDI																		BALES/ ALL OVERHEAD EQUPIMENT-INSPECT		
From T	o D-	R-C RPM	WOB	Ho	ole Drag Up	Do	wn				MP SF												ILL LINES/ CHECK MANIFOLD VALVE ALIGN	EMENT-FUNCTION FLAP	RE STACK IGNITER
	_			Torq	ue at Bottom			Pump No	o. Pres		trokes/mi	n Depth	Bo	oiler							APE BUG	GY/ MC	NKEYBOARD SRL		
				Fill	I on Bottom					@	@	-	- 1	Boiler #	Hours R	lun	pН	Stack Temp	SAF	ETY					
										@	@											5	Safety Topic	MEHL	MACP
			1]						@	@								Press.T	est/BHA	۱			20.00kdaN	3226kPa

BITS DEVILTION SUBJUCTS TIME LOC BY Number 2 No Component 00 D Lambda by the field of paratoms in Sequence & Remarks NOC Code Image: State St	TOUR 2	SIGNATUR	EO	OF DRILLER						SYLVA	AIN ARS	ENAUL										ST	ART		08:0	DO	END TI	ME	20:00
Size T7 Bit T7 Bit T0 0.00 <th>BITS</th> <th></th> <th>D</th> <th>RILLING AS</th> <th>SEMB</th> <th>LY</th> <th>MUD</th> <th>REC</th> <th>ORD</th> <th>1</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>TIME</th> <th>E LO</th> <th>G</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	BITS		D	RILLING AS	SEMB	LY	MUD	REC	ORD	1										TIME	E LO	G							
Image: Note of the second se	Bit Number	2	N	lo Component	OD ID	Length		M	ud Type	Water	× 0	il 🗌			Deviation	Direction		Туре		From	To	Elapsed	Code		Details	of Operat	tions in Seque	nce & Remark	;
Number Number	Size	17	71	1BIT	171 (0.23m				Other 🗌			1		1.5					08:00	08:15	0.25	521	SAFETY MEETI	NG ON TR	RIP BACK	IN HOLE RE	/ COP 2-5	
Handlustering Marklingtoring Markling				1MOTOR	127 (8.68m			Time						1.4					08:15	10:15	2.00	6A	TRIP IN HOLE W	ASH DOW	N LAST 2	2 STAND ,PUL	L BACK 4 STAM	D TO VERIFY PIPE
Image: series of the				1NM SLICK MONE	L 120 69	9.32m																		TALLY, TAG FLC	DAT COLL	AR @ 492	2.6M		
Serial Mo 12484972 MM SLICK MONEL 120 69 9.27m Filled Loss M Filled Loss Filled Loss <th< td=""><td>Туре</td><td>MM65D</td><td></td><td>1GAP SUB</td><td>126 69</td><td>9 1.71m</td><td>Fi</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.6</td><td></td><td></td><td></td><td></td><td>10:15</td><td>10:30</td><td>0.25</td><td>57</td><td>RIG SERVICE CH</td><td>ANGE OUT</td><td>WASH PIP</td><td>PE GREASE TOP</td><td>DRIVE, FCT UP</td><td>ER PIPE RAM 4 SEC</td></th<>	Туре	MM65D		1GAP SUB	126 69	9 1.71m	Fi								0.6					10:15	10:30	0.25	57	RIG SERVICE CH	ANGE OUT	WASH PIP	PE GREASE TOP	DRIVE, FCT UP	ER PIPE RAM 4 SEC
Jest 7.5 7.7 7.1 10.30<	Serial No		76	1NM SLICK MONE	L 120 69	9.27m		Flui	d Loss					1	1.0									TO CLOSE					
Depth Out (m) is is< is is	Jets		.5	1NM SLICK MONE	L 117 6	9.26m			pН											10:30	10:45	0.25	521	SAFETY MEETING	WITH CRE	W PRIOR	TO SPUD, PEFO	RM HAZARD HU	IT,LOOK FOR LEAKS
Depth In (m) 50 4x0 134 62 0.98m Total Drilled (m) 447 sl.as.HYDMECH 133 5.50m V		7.5 7.5 7.5		1X/O	134 6	1 0.94m	Loca		. 1				SOL	LIDS	CONTR	OL				10:45	11:00	0.25	21A	DRILLS/BOP, MAI	NIFOLD ALI	IGMENT,F	CT IGNITOR OF	N FLAIR STACK,	REV KICK WARNING
Upper H Upper H <t< td=""><td>1 1 1 1</td><td></td><td></td><td>15 x 4.5" HWDP</td><td>114 73</td><td>2 46.80m</td><td></td><td></td><td></td><td></td><td></td><td></td><td>Equ</td><td>uipment</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>SIGN</td><td></td><td></td><td></td><td></td><td></td></t<>	1 1 1 1			15 x 4.5" HWDP	114 73	2 46.80m							Equ	uipment										SIGN					
His Run Today 5.75 Out of the field Out of the fie		50)2	1X/O	134 6	2 0.96m							1	Vame	Run	Density	Density	/	Density	11:00	16:45	5.75	52	DRILL 171MM F	ROM 502M	M TO 949	M		
Cumulative His Run 5.75 Q Diff 114 71 1000 <				1JARS-HYD/MECH	1 133 5	7 5.50m	CIRC	ULA	rion						_	_				16:45	19:45	3.00	20A	DIRECTIONAL S	SURVEYS,	CONNEC	CTION TIME		
Entry Date Date Note Display for the second				1X/O	134 6	3 0.94m	Pump#	Туре	Liner Size	SPM	Pressure	Hours Rur	<u> </u>					_		19:45	20:00	0.25	521	CREW CHANGE	SAFETY N	MEETING/	/PLAN FORWA	RD W/RIG MAN	AGER & ARC OSS.
CUTTING STRUCTURE d Onli Pipe Stads S55.75m Product Amount Type T Gage d Onli Pipe Stads S55.75m Product Amount Type T Gage d Onli Pipe Stads S55.75m Product Amount Type T0 ODC Kelly Down 0.12m Remarks: PRCVENTION 2 EACH PRCVENTION 2 EACH PRCVENTION 2 EACH PRCVENTION E			75	132 x 4.5" HWDP	114 7	1 299.52m	15	SINGLE	140	115	18000	0 9		_															
Till of Dill Pipe Jatala 353./cm Image Jatala 353./cm <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SINGLE</td> <td>127</td> <td>C</td> <td>18000</td> <td>0 0</td> <td>MU</td> <td>DMA</td> <td></td> <td></td> <td></td> <td></td> <td>TURN</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								SINGLE	127	C	18000	0 0	MU	DMA					TURN										
Image of the second	CUTTING STR			-									BEDU	CTION	Produci	L	AI	mouni											
MDC Reason Pulled Dital 94.90 cm Network 1 EACH 1	п	×				0.0011																							
LOC Total Run (m/n/n) Weight of DC 494xban 494xban Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER METRES DRILLED HOLE CONDITION 494xban NSPECT TOP DRIVE/LEVATORS/BALES/ALL OVERHEAD EQUIPUENT-INSPECT NOV ST40.8 ALL DRILL FLOOR EQUIPUENT-						0.12m	Remark	S:					NEW V	NASH					1 EACH				<u> </u>						
BRG Weight of String 49kdan METRES DRILLED HOLE CONDITION From To D-R-C RPM W0B Hole Drag u Down REDUCED PUMP SPEED NsPect TOP Drive/ LEVATORS/ BALES/ ALL OVERHEAD EQUIPMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT-INSPECT N						949.00m																							
METRES DRILLED HOLE CONDITION REDUced pulse Inspective (Levators) (Bales) all overhead ecolopiment-inspect nov st-abl all drill floor ecoling) From To D-R-C RPM W0B Hole Drag Up Down REDUced pulse Inspect role of the colopiment-inspect nov st-abl all drill floor ecoling Inspect role of the colopiment-inspect nov st-able all optiment-inspect nov st-able all drill floor ecoling Inspect role of the colopiment-inspect nov st-able all optiment-inspect nov st-able		al Run (m/hr)					╢						↓																
From To D-R-C RPM W0B Hole Drag Up T Down T REDUCED PUMP SPEED Inspect choke Lines/incrs/kill Lines/check ManiFold Val Ve AlgoRement-Function Flare stack ig 502m 949m DRILL 504011.5kdall Toque at Bottom 4400.00Nm Pump No. Pressure Bit/kers/min Depth 6 6 0 0 0 0 0 0 0 0 Safety Topic MEHL Safety Topic MeHL MACP						49kdaN	1																						
Sozar Socar Socar Build Socar Build Socar Socar <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td>+</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>												_							+										
Image: Section of the section of t			-1	Hole Drag Up	1 Do	WN 1																			-	D VALVE	ALIGNEMENT-	FUNCTION FLA	RE STACK IGNITER
Fill on Bottom 0.00m Image: Constraint of the state o	502m 949m D	RILL 504011.5kda	IN TO	orque at Bottom		4400.00Nn	Pump No). Pres			_)epth	Boi	ler								PE BUG	GY/MO	NKEYBOARD SR	RL.				
			F	Fill on Bottom		0.00n	₀			_					Hours F	Run	pН	Sta	ck Temp	SAF	ETY								
DRILL OUT 41.00kdaN 33							<u> </u>			_													5	atety Topic					
									@	@	9									DRILL O	UT							41.00kdaN	3373kPa

TOUR 3		SIGNA	TURE	OF	DRILLER							JASON GILE	s									ST/	١RT		2	20:00	EN			24:00
BITS				DR	RILLING AS	SEMB	SLY	MUD	REC	ORD			DE	VIATIO	N SUF	RVEYS			1	ГІМЕ	E LO	G								
Bit Number	r 2			No	Component	OD ID	Length		Mu	ıd Type	Water 2	< Oil	Time	Depth I	Deviation	Direction		Туре	F	From	To	Elapsed	Code		Deta	ils of Oper	rations in	Sequence & R	emarks	
Size	е		171	1	віт	171 0	0.23m				Other 📃		20:30) 963.13m	2.9	27.8				20:00	20:15	0.25	21A	BOP DRILL WIT	TH CREW	, WELL SE	CURE/MI	EN IN POSITION	I-85secon	ds, HCR-2sec.T/C
IADC Code	e			1	MOTOR	127 0	8.68m			Time	21:0	0 23:45		977.76m	1.9	35.4					Î			ANNULAR-20s	sec.T/C					
Manufacture	r HALIE	BURTON		1	NM SLICK MONE	- 120 69	9.32m		D	ensity	117	0 1180		5 992.38m	0.7	53.7			-C	20:15	23:00	2.75	2	DRILL 171mm	HOLE FF	ROM 949m	n TO 111	7m		
Туре	e MM65	ōD		1	GAP SUB	126 69	9 1.71m	Fi	unnel Vis	cosity	335	s/l 33s/		0 1021.63m 5 1050.88m	0.2	217.3 12.2				23:00	23:45	0.75	20A	ACCUMULATE	ED,DIREC	CTIONAL S	SURVEY	S,WORK PIPE	AND COM	INECTIONS
Serial No	0	12	2484876	1	NM SLICK MONE	120 69	9.27m		Fluid	i Loss				5 1050.88m	0.2	52.1				23:45	24:00	0.25	7	RIG SERVICE -	INSPECT/	GREASE T	OP DRIVE	E & DRAW WORK	KS, FUNCT	TION LOWER PIP
Jets	s 7.5	7.5 7	.5 7.5	1	NM SLICK MONE	L 117 69	9 9.26m			pН				5 1000.1311	0.5									RAMS-5sec.T/	с					
	7.5	7.5 7	.5	1	x/o	134 61	1 0.94m	Loca	tion of Sa	ample	SHAKERS	SHAKERS	SO	LIDS C	ONTR	OL														
Depth Out (m	1)			1	5 x 4.5" HWDP	114 72	2 46.80m		1	Depth			Eq	uipment	Hours	Intake		w Under Flo												
Depth In (m	1)		502	1	x/o	134 62	2 0.96m			PVT				Name	Run	Density	Densit	/ Density	у											
Total Drilled (m	1)		615	1	JARS-HYD/MECH	1 133 57	7 5.50m	CIRC	ULAT	ION				KSTONE	· ·	4 118			780											
Hrs Run Today	у		2.75	1	x/o	134 68	3 0.94m	Pump#	Type L	iner Size	SPM P	ressure Hours Ru	WHIR	LY		4 118	11	60 1	790											
Cumulative Hrs Rur	n		8.50	1	32 x 4.5" HWDP	114 71	1 299.52m	15	SINGLE	140	120	12500 0																		
Entry Date								25	SINGLE	127	0	12500 4	MU	D MAT		LS ADE														
CUTTING ST	RUC	TURE		24	Drill Pipe	Stands	702.00m								Product		A	mount Typ												
TI		Gage		2	Drill Pipe	Singles	19.50m						SAWE WALN					10 EA 3 EA												
TO		ODC			Kelly Down		2.37m	Remark	S:					FIBER				2 FA												
MDC	Reasor	n Pulled			Total		1117.00m						ALKA	LIME				2 EA	АСН											
LOC To	otal Rur	n (m/hr)			Weight of DC								DEFC	AMER DS	со			2 EA	ACH											
BRG					Weight of String		54kdaN						1—						P	Remark	s: FUN	ICTION T	RAVEL	STOPS/LIMITS	& CROV	VN SAVER	R			
METRES DR	ILLE	D		HO	LE CONDI	TION							_						IN	SPECT	TOP DR	IVE/ ELEV/	ATORS/	BALES/ ALL OVE	RHEAD E	QUPIMENT	-INSPECT	NOV ST-80 & AL	L DRILL FL	OOR EQUIPMEN
From To D	D-R-C	RPM	WOB	Hol	le Drag Up	2 Do	wn 2				MP SP								IN	SPECT	Г СНОКЕ	LINES/H	CR'S/KI	LL LINES/ CHEC	K MANIF	OLD VALVI	E ALIGNE	MENT-FUNCTIO	ON FLARE	STACK IGNITER
949m 1117m	DRILL	40	12kdaN	Torqu	le at Bottom	-	6400.00Nm	Pump No			trokes/min	Depth	Boi	lor								PE BUGG	Y/MO	NKEYBOARD S	SRL					
				Fill	on Bottom		0.00m		1 3450	-	60 @	1095		oiler #	Hours P	Run	рH	Stack Tem	10	SAFE	ETY									
								' 		@	@								-				S	afety Topic				MEHL		MACP
									1	@	@									onnecti	ons/BOI	P Drill						57.0	0kdaN	3324kP

			FROM		AE SUM	MARY	,				neet Serial 9_2016050			lendor Soft Ison	ware Ver	sion		Year 2016	Month 05	06 1)	Daily Walk Ar Detailed Insp	ound Inspect	tion	eck List)	OP R	\neg	ŀ	
License No	V	/ell Name								Surface	e Location			ł	rov L	ос Туре	Unique We	ll Id		3)	H2S Signs Po	sted if Requ	ired	,] ((CAO	DC
31606	PA	RKLAND C5-	09-81-16W	/6						05-09-08	31-16W6			E	C DI	LS	103/14-08	-081-16W6	/00	4)	Well Licence Flare Lines S	& Stick Diag	ram Posted		\vdash			
Operator							0	Contractor						Rig No	W	/ell Type			Re		BOP Drills Pe				\vdash	-		
ARC RESOL	JRCES						F	RECISION	DRILLING,	DIV OF PE	CLP			529	н	IORIZ				7	Visually Inspec	ted BOPs - F	lare Lines & D	egasser Lines				
Operator's / 16DRL0036							0	Contractor's 84	s Job No							pud Date Ti 016/05/04 23				2)	Rig Site Healt CAODC Rig S	afety Inspect	tion Checklist	(one/rig/mo	nth)	P	aso	
Signature o Guy Rockab		tor Represen	tative					Signature o MARC RAY	f Contractor MOND	's Rig Man	ager				R	ig Release	Date Time			4)	Mast Inspecti Crown Saver Motor Kills Cl	Checked	aising or Low	ering	E	_	Pason	
CODE	4	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		Kelly Bushing	Op Fuel
																											FUEL @ 08:	00 HOURS
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	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	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL	Rig	Boiler
n Tour 1															6.0	0				1.2	5 0.75					8.00	ff Time	Тетр
Tour 2		5.75		1	i i	2.00	0.25										1	1		3.0	0 1.00		1		1	12.00	Current Conditions	
Tour 3		2.75					0.25													0.7	5 0.25					4.00	Wind Direction	Wind Strength
Total		8.50			1 1	2.00	0.50								6.0	0		1		5.0	2.00			ĺ		24.00	Road Condition	
					· · · ·																· · · · · · · · · · · · · · · · · · ·							

TOUR 1		SIGN	ATURE	E OF	DRILLER							JAS	SON GILE										ST	ART	TIME 00:00 EN		08:00
BITS				DR	ILLING AS	SEM	BLY	MUD	REC	COR	D			DE	VIATIC	ON SU	RVEYS				TIM	E LO	G				
Bit Numbe	er			No	Component	OD II) Length		N	lud Typ	e Wate	er 🔲	0il	Time	Depth	Deviation	Direction		Тур	е	From	To	Elapsed	I Code	Details of Operations in	Sequence & Remark	S
Siz	e							1			Other [
IADC Code	le									Time	9			1—													
Manufacture	er									Density	/]—													
Тур	e							F	unnel V]—													
Serial N	lo								Flu	id Loss	5																
Jet	ts									рH	1																
								Loca	tion of					SO	LIDS C	ONT	ROL										
Depth Out (m										Depth					uipment	Hours				Under Flow							
Depth In (m										PVT					Name	Run	Density	Den	sity	Density							
Total Drilled (m	·							CIRC									-										
Hrs Run Toda	· —							Pump#	Туре	Liner Si:	ze SPM	Press	ure Hours Ru			-	-										
Cumulative Hrs Ru							_																				
Entry Date			_				-							MU	DMA	Produc			Amou	int Type							
UTTING ST	RUC		3		Drill Pipe	Stand										FIUUUU	1		AIIIUL	int type			ļ				
п		Gage			Drill Pipe	Single	S											_					ļ	_			
TO	_	ODC		-	Kelly Down	<u> </u>		Remark	(S:																		
		n Pulled		4	Total																						
	otal Ru	n (m/hr)		1	Weight of DC									.						_							
BRG					Weight of String																				RESSURE TEST BOPs, 2-1 BHA, FROM STACK VERY HIGH POTENTIAL FOR A FOREST		
METRES DR		_			LE CONDI													_			BY COMP.	ANYMAN	NOT				
From To [D-R-C	RPM	WOB		e Drag Up	[lown 📃				JMP S										TO BUR	RN ANY	MORE G	ARBAGE	E . DISPOSIT OF IT IN SANICARE BOX INS	TEAD. (VERY WISE I	DECISION)
				1	e at Bottom			Pump No	D. Pres	sure @	Strokes/		Depth	Boi	ler						CAF	-TV					
				Fill	on Bottom				-	@		0 0		Bo	oiler #	Hours	Run	pН	S	tack Temp	SAF	EIY			Cafab. Tania	MEHL	MACP
			-	-					+	@ @		e Q		╢										2	Safety Topic		
										Q.		w									Press.Te	est/BH/	4			20.00kdaN	3226

TOUR 2	SIC	ANA	TURE	OF	DRILL	ER						SYLVA	IN ARSEN	AULT								ST	ART	TIME 08:00 E		20:00
BITS				DR	ILLING	ASS	ЕМВ	LY	MUD	REC	OR)			DEVIATIO					TIM	E LO	G		· · ·		
Bit Number				No	Compon	ient ()D ID	Length		N	lud Type	Water	Oil 🗌		Time Depth D	eviation	Direction	T	уре	From	To	Elapsed	Code	Details of Operations	in Sequence & Remarks	
Size							1	1				Other 🗌			13:15 685.25m	5.3	22.2					1				
IADC Code											Time				13:45 699.88m	5.7	17.9					1				
Manufacturer										1	Density				14:00 714.5m	5.8	14					1				
Туре									F	unnel V	scosity				14:15 729.13m	5.8	11.9 12.2						1			
Serial No										Flu	id Loss				14:30 743.75m 14:45 758.38m	6.6 6.8	12.2					1	1			
Jets							1	1			pН				15:15 773m	6.5	9.4					1				
Γ									Loca	tion of	Sample				SOLIDS C							1				
Depth Out (m)											Depth				Equipment	Hours	Intake	Over Flow	Under Flow			1				
Depth In (m)						1					PVT				Name	Run	Density	Density	Density				1			
Total Drilled (m)									CIRC	ULA	TION												1			
Hrs Run Today							1	1	Pump#	Туре	Liner Size	SPM	Pressure Hou	urs Run								1				
Cumulative Hrs Run																						1				
Entry Date															MUD MAT											
UTTING STR	υςτι	JRE			Drill Pipe		Stands									Product		Am	ount Type							
TI	G	age			Drill Pipe	;	Singles													-						
то	(DDC 🗌			Kelly	Down			Remark	IS:												1				
1DC Re	ason Pu	illed				Total				-												1				
LOC Tota	l Run (m	ı/hr)			Weight	of DC																				
BRG					Weight of \$	String														Remar	ks: на	ZARD ID- DL	JRING AR	PRE- TRANFER LINE WALK WE FOUND A PIN	HOLE IN THE 3' TRANFER LINE	E, CHANGED IT
IETRES DRIL	LED			но	LE CO	NDIT	ION		<u> </u>																	
rom To D-R	-C RI	PM	WOB	Hole	e Drag	Up	Dov	vn 📃	RED	UCE	D PU	MP S	PEED							-						
				Torque	e at Bottom				Pump N	o. Pres	sure S	trokes/m	in Dept	th	Boiler											
					on Bottom						@	@			Boiler #	Hours R	un	рН	Stack Temp	SAF	ETY					
						I					@	@			Dollel #	HUUIS N	un	pri	JIGUN TEITIP	-			S	afety Topic	MEHL	MACP
		Í									@	@								DRILL C	DUT				41.00kdaN	337

TOUR 3 SIGNA	TUR	E OF	DRILLER							JASON GIL	ES.								ST	ART	TIME 20:00		24:00
BITS		DR	ILLING AS	SEM	BLY	MUC	REC	OR)					RVEYS			TIM	E L(DG				
Bit Number		No	Component	OD ID) Length		М	lud Type	e Water [0il	Tim	e Depth	Deviation	Direction	T	уре	From	To	Elapsed	I Code	Details of Operation	s in Sequence & Remarks	
Size						71			Other 📃										1				
IADC Code								Time													1		
Manufacturer							[Density				+ +					·						
Туре						F	unnel Vi					+ +					·						
Serial No							Flui	id Loss															
Jets								pН									i						
						Loca	ation of S	Sample			SC	LIDS (ONTR	OL									
Depth Out (m)								Depth			E	quipment	Hours	Intake	Over Flow	Under Flow							
Depth In (m)								PVT				Name	Run	Density	Density	Density							
Total Drilled (m)						CIRC							-	-									
Hrs Run Today						Pump#	Туре	Liner Siz	e SPM I	Pressure Hours	Run		-	-			i						
Cumulative Hrs Run																							
Entry Date											M	JD MA	Product	LS ADD		ount Type							
UTTING STRUCTURE			Drill Pipe	Stand	_								FIUUUUL		AIII	ount type							
TI Gage			Drill Pipe	Single	S												iL						
TO ODC		-1	Kelly Down			Remar	KS:									1	1						
MDC Reason Pulled		-1	Total	L																	ļ		
LOC Total Run (m/hr)		-	Weight of DC	L													<u> </u>						
BRG			Weight of String																		P CONNECTIONS FROM DERRICK		
ETRES DRILLED			LE CONDI														BOP D	RILL W	ITH CREV	V - WELL	SECURE/MEN IN POSITION - 85seco	nds, HCR-2sec.T/O, ANNU	LAR-20sec.T
rom To D-R-C RPM	WOB		e Drag Up	D	own				MP SF								j						
			e at Bottom			Pump N	o. Pres		Strokes/mi	n Depth	Во	iler							,				
/	<u> </u>	Fill	on Bottom					@	@		- E	Boiler #	Hours P	Run	рН	Stack Temp	SAF	EIY			hafaha Tauta	MEL	MAOD
/		-						@	@ @	-										5	Safety Topic	MEHL	MACP
								e e	@								Connec	tions/B	OP Drill			57.00kdaN	332

			FROM	NT PAG	àe sum	MARY	,				heet Serial 9_2016050			/endor Sofi ason	ware Vers	sion		Year 2016	Month 05	06 1)	AILY C Daily Walk An Detailed Insp	ound Inspect	ion		OP R	\exists		
License No	W	/ell Name								Surfac	e Location			1	Prov Lo	oc Type	Unique We	ll Id			H2S Signs Po			,		- (CAC	DC
31606	PA	RKLAND C5-	09-81-16W	/6						05-09-08	31-16W6			E	C DL	S	103/14-08	-081-16W6/	00		Well Licence		ram Posted					
Operator							(Contractor						Rig No	W	ell Type			Re		Flare Lines St BOP Drills Per				\vdash	-		
ARC RESO	URCES						F	RECISION	DRILLING,	DIV OF PE	DCLP			529	н	ORIZ					Visually Inspec		lare Lines & D	egasser Lines				
Operator's A							(8	Contractor's 34	s Job No							pud Date T 16/05/04 2				2)	Rig Site Healt CAODC Rig Si	afety Inspect	ion Checklist	(one/rig/mor	nth)	- F	asc	
5		tor Represen	tative					v	f Contractor	's Rig Man	ager				Ri	ig Release	Date Time			3)	Mast Inspecti Crown Saver	on before Ra Checked	ising or Lowe	ering	-	_	Pas	00
Guy Rockab	ar						M	MARC RAY	MOND												Motor Kills Ch							
CODE	-	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		Kelly Bushing	Op Fuel
CODE .	<u> </u>																									-	FUEL @ C	8:00 HOURS
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillsterr Test	n Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	ΤΟΤΑΙ	Rig	Boiler
n Tour 1															6.0	0				1.25	0.75					8.0	io 🛱 ^{Time}	Тетр
Tour 2		5.75				2.00	0.25							i		1	1			3.00	1.00				1	12.0		
Tour 3		2.75		1			0.25							i			1			0.75	0.25					4.0	Wind Direction	Wind Strength
Total		8.50				2.00	0.50								6.0	0				5.00						24.0	Road Conditio	, i

FOUR 1		SIGNA	TURE	E OF	DRILLER							JAS	ON GILE	s								ST	ART	ГІМЕ	00:00	EN	D TIME		08:00
BITS				DR	ILLING AS	SEM	BLY	М	JD RE	COF	D						RVEYS			TIM	E L	DG							
Bit Number	r			No	Component	OD	ID Le	ngth		Mud Ty	pe Wat	er 🗌	0il	Time	Depth	Deviation	Direction	1	уре	From	To	Elapsed	I Code	D	Details of Ope	erations ir	n Sequence	& Remarks	
Size	е										Other																		
IADC Code	е						1			Tin	ie			1							1								
Manufacturer	r									Densi	ty			1—															
Туре	в								Funnel	Viscosi	ty			1—							1								
Serial No	D								F	luid Lo	s			1—															
Jets	s									F	н			1															
								L	ocation o	of Samp	le			SO	LIDS	CONTR	ROL												
Depth Out (m))									Dep	th				uipment	Hours	- 1	Over Flow	Under Flov	N									
Depth In (m))									P١	т				Name	Run	Density	Density	Density		1								
Total Drilled (m))							CI	RCUL	ATIO	N																		
Hrs Run Today	y							Pum	р# Туре	Liner	Size SPN	Pressu	ure Hours Ru	n		_													
umulative Hrs Run	n													1															
Entry Date	в													MU	D MA		LS ADD												
UTTING ST	RUC	TURE	-		Drill Pipe	Stan	ds							1—		Produc	t	An	iount Type	_									
TI		Gage			Drill Pipe	Singl	es							1⊢															
то		ODC			Kelly Down			Ren	narks:																				
IDC I	Reaso	n Pulled			Total																								
	otal Ru	n (m/hr)			Weight of DC																								
BRG					Weight of String															Rema	rks:								
IETRES DR	ILLE	Ð		HO	LE CONDI	TIOP								_															
rom To D	D-R-C	RPM	WOB	Hol	e Drag Up		Down				UMP		Ð																
				Torqu	e at Bottom			Pum	p No. Pr		Strokes	/min	Depth	Boi	lor														
				Fill	on Bottom					@		@			oiler #	Hours	Bun	рH	Stack Temp	SAF	ETY								
										@		@			//////			p.,	otaon tomp				S	afety Topic			ME	HL	MACP
										@		@				1		1		Press.	Гest/B⊦	IA						20.00kdaN	3

TOUR 2	SI	GNA	TURE	OF	DRILLE	R						SYLV	'AIN AR	SENAUL	г										ST	ART	TIME 08:00 E		20:00
BITS				DR	ILLING	ASSE	ΜВ	LY	MUC	RE	CORI)					ON SL						TIME	E LO	G				
Bit Number				No	Componer	nt OE	ID ID	Length		I	Aud Typ	e Wate	r 🗌 🗌	0il 🗌	Time	Depth	Deviatio	on Di	Direction		Гуре		From	To	Elapsed	Code	Details of Operations	in Sequence & Remarks	
Size												Other [787.63m		6.2	10.4							1			
IADC Code											Time					0 802.25m		6.8	14										
Manufacturer							1				Density					5 816.88m		7	18.1			l				1	1		
Туре							1		F	unnel V	/iscosity		<u> </u>			5 831.5m		7.7	19.7			—l			1	1	İ		
Serial No										Flu	uid Loss) 846.13m	8	8.3	20.2			—-ľ	1			1	1		
Jets											pН				17:30	860.75m	8	8.8 7.5	16.8 15.3			[1			
									Loca	ation of	Sample						CONT												
Depth Out (m)											Depth					uipment	Hou			Over Flow	u Undor	Flow				1	1		
Depth In (m)							1				PVT					Name	Ru		Density	Density	Den	sity			İ	1	1		
Total Drilled (m)									CIRC	ULA	TION															1	1		
Hrs Run Today							1		Pump#		Liner Siz		Pressu	re Hours Ru	n														
Cumulative Hrs Run										.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		-		-															
Entry Date											+				MU	D MA	TERI	ALS	S ADD	ED						1	1		
UTTING STRU	ІСТ	URE			Drill Pipe	S	ands				1		+	-			Produ	uct		An	nount T	уре			İ	1	1		
TI		Gage			Drill Pipe	Si	ngles																						
то		ODC		<u> </u>	Kelly Do		9		Remar	(0)	-		_		╢───												1		
MDC Rea	Ison P	ulled				Total	_		Tioman	10.					╢──														
LOC Total	Run (r	m/hr)			Weight of	f DC																			<u> </u>	1	1		
BRG		, [Weight of St			-															Remark	(5)					
IETRES DRIL	I ED)			LE CON		N		L																				
From To D-R-		RPM	WOB		e Drag 🛛 U		Dov		RED	UCE	D PU	MP S	PEE	D															
	<u> </u>				e at Bottom	P] 000		Pump N					Depth															
		-			on Bottom					1	@		@		Boi								SAF	ЕТУ		_			
	+	-		FIII	UII BULLOM					1	@		2		Bo	oiler #	Hour	's Run	n	рН	Stack Te	mp				5	Safety Topic	MEHL	MACP
	+	-								-	@	_	0		1⊢								DRILL O	TII				41.00kdaN	3373
									L		3		0				1					E						41.00kdal4	5575

TOUR	5	SIGNA	TURE	E OF	DRILLER								JASC	ON GILE	S								S	FART	TIME 20:00		24:00
BITS				DR	ILLING AS	SE	ΜВ	LY	MU) RE(CORE)			DE	VIATIO	ON SU	RVEYS			TIN	IE LO	DG				
Bit Nu	nber			No	Component	0D	ID	Length		Ν	lud Type	e Water	· 🗌 (il 🗌	Time	Depth	Deviation	Direction		Туре	From	To	Elapse	d Cod	le Details of Ope	rations in Sequence & Remarks	,
	Size						П		11			Other 🗌			1												
IADC	Code						П				Time				1								1		1		
Manufac	turer]		Density				1—						-						
	Туре]	Funnel V	iscosity											1					
Seria	al No]	Flu	iid Loss																
	Jets]		pН																
									Loc	ation of	Sample				SO	LIDS	CONTR	ROL									
Depth Ou	t (m)]		Depth					uipment	Hours	Intake	Over Flo	w Under Flov	/						
Depth I	n (m)										PVT				Ì	Name	Run	Density	Densit	/ Density							
Total Drille									CIRC	CULA	TION						_										
Hrs Run T	oday								Pump#	Туре	Liner Siz	e SPM	Pressur	e Hours Ru	n		_	-		_	_						
Cumulative Hrs																											
Entry	Date											1	1	1	MU	D MA		LS ADI									
CUTTING	STRU	CTURE			Drill Pipe	Sta	ands										Produc	t	A	mount Type	_						
П		Gage			Drill Pipe	Sin	igles													_							
TO		ODC			Kelly Down	ו 🗌			Remar	ks:																	
MDC		on Pulled			Total																						
LOC	Total R	un (m/hr)			Weight of DC																						
BRG					Weight of String]						Rema	ırks:					
METRES				HO	LE COND	ITIC	DN																				
From To	D-R-C	RPM	WOB	Hol	e Drag Up 🗌		Dow	vn				MP S															
				Torqu	e at Bottom				Pump N	lo. Pres	~	Strokes/r	_	Depth	Boi	ler			· · ·								
				Fill	on Bottom				1		@	6				oiler #	Hours	Run	рН	Stack Temp	SA	FETY	<u></u>				
				_					ʻL		@	6	-												Safety Topic	MEHL	MACP
											@	0	₽								Conne	ctions/E	OP Drill			57.00kdaN	3324kPa

			FROM	IT PAG	GE SUM	IMARY	1				heet Serial 9_2016050			/endor Soft ason		sion		Year 2016	Month 05	06 1)	Daily Walk An Detailed Insp	ound Inspect	ion	eck List)	OP R	\neg		
License No	W	ell Name								Surfac	e Location			ł	Prov Lo	ос Туре	Unique Wel	l ld		3)	H2S Signs Po	sted if Requi	red	,		= (CAO	DC
31606	PA	RKLAND C5-	09-81-16W	/6						05-09-0	81-16W6			E	BC DL	S	103/14-08-	081-16W6/	00	4)	Well Licence	& Stick Diag	ram Posted		\vdash			
Operator							(Contractor						Rig No	W	ell Type			Re	Entry 6	Flare Lines St BOP Drills Per	aked formed			\vdash	-		
ARC RESOL	JRCES						1	RECISION	N DRILLING	DIV OF PI	DCLP			529	н	ORIZ					Visually Inspec		lare Lines & D	egasser Lines				
Operator's / 16DRL0036							1	Contractor' 34	s Job No							oud Date Ti 16/05/04 23				2)	Rig Site Healt CAODC Rig Si	afety Inspect	ion Checklist	(one/rig/mo	nth)	/	aso	
Signature o Guy Rockab		tor Represent	tative					Signature o MARC RAY	of Contracto MOND	r's Rig Man	nager				Ri	g Release	Date Time			4)	Mast Inspecti Crown Saver Motor Kills Ch	Checked	ising or Lowe	ering	E		Paso	n
CODE		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		Kelly Bushing	Op Fuel
CODE .			<u> </u>				<u> </u>																			_	FUEL @ 08	:00 HOURS
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	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	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL	Rig	Boiler
n Tour 1															6.0	b				1.25	0.75					8.0	D # Time	Тетр
Tour 2		5.75				2.00	0.25		1									1	1	3.00	1.00				1	12.0	Current Conditio	
Tour 3		2.75					0.25									1	1	1		0.75	0.25					4.0	D Wind Direction	Wind Strength
Total		8.50				2.00	0.50								6.0	b		1		5.00	2.00					24.0	Road Condition	÷

TOUR 1		SIGN	ATUR	e of	DRILLER								JAS	ON GILE										ST	ART		08:0	:00
BITS				DF	RILLING A	SSE	ΜВΙ	Y	MUD	REC	CORI	D						RVEYS				тімі	E L(DG				
Bit Number	r			No	Component	OD	ID	Length		N	lud Typ	e Wate	er 🔲	0il 🗌	Time	Depth	Deviation	Direction		Туре	9	From	To	Elapsed	Code	Details of Operations in Sequence &	Remarks	
Size	9											Other [
IADC Code											Time]													
Manufacturer	r										Density]—													
Туре									F	unnel V]—													
Serial No										Flu	id Loss																	
Jets	6										рH																	
									Loca	tion of					SOL	LIDS	CONTR	OL										
Depth Out (m)											Depth					uipment	Hours				Under Flow							
Depth In (m)											PVT				ĺ.	Vame	Run	Density	Dens	ity	Density							
Total Drilled (m)									CIRC	ULA	TION						_											
Hrs Run Today									Pump#	Туре	Liner Siz	e SPM	Pressu	ure Hours Ru			_	_										
Cumulative Hrs Run																-												
Entry Date															MU	D MA		LS AD										
CUTTING ST	RUC				Drill Pipe		Inds]—		Product	t		Amoun	nt Type							
п		Gage			Drill Pipe	_	gles														+							
то		ODC			Kelly Dow				Remark	(S:											1 1							
		n Pulled			Tota																							
	otal Ru	n (m/hr)			Weight of D								_															
BRG					Weight of Strin																	Remar	ks:					
METRES DR				HC	DLE COND	OITIO	N								-													
From To D-	-R-C	RPM	WOB	Ho	le Drag Up [Dow		RED																			
				Torqu	ue at Bottom				Pump N	o. Pres				Depth	Boi	ler			, in the second s									_
				Fill	on Bottom					_	@		0			iler #	Hours F	Run	pН	Sta	ack Temp	SAF	ETY					
											@	_	0												5	afety Topic MEH		MACP
											@	(0									Press.Te	est/BH	A		20	.00kdaN	3226k

TOUR 2	SIC	ANA	TURE	OF	DRILI	LER						SYLVA	IN ARSENAUL	т							ST	ART	ІМЕ	08:00	END	TIME		20:00
BITS				DR	ILLIN	G AS	SEME	SLY	MUL	RE	CORE)		DEVIATIO					TIM	ELO	G							
Bit Number				No	Compo	onent	OD ID	Length		Ν	lud Type	Water	0il 🗌	Time Depth	Deviation	Direction	T	уре	From	To	Elapsed	Code	Det	tails of Oper	rations in Se	quence & R	emarks	
Size								1	71			Other		18:00 890m	5.7	14.1												
IADC Code											Time			18:45 904.63m	5.1	7.9												
Manufacturer									1		Density			19:00 919.26m	4.5	356.8												
Туре									- F	unnel V	iscosity			19:30 933.88m	3.9	355.1 13.8			-									
Serial No									71	Flu	id Loss			19:45 948.5m	3.3	13.8												
Jets		Т						1	1		pН			$1 \rightarrow 1$														
									Loca	ation of	Sample			SOLIDS	ONTR	OL												
Depth Out (m)											Depth			Equipment	Hours	Intake	Over Flow	Under Flow		1								
Depth In (m)									71		PVT			Name	Run	Density	Density	Density										
Total Drilled (m)									CIRC	ULA	TION																	
Hrs Run Today									Pump#	Туре	Liner Size	SPM	Pressure Hours Ru	in														
Cumulative Hrs Run														1														
Entry Date														MUD MA														
UTTING STR	υςτι	JRE			Drill Pipe		Stands							1⊢	Product		Am	ount Type										
П	G	age			Drill Pipe		Singles							1⊢				_										
TO	(DDC			Kell	y Down			Remar	KS:				1⊢														
	eason Pu					Total								1														
LOC Total	l Run (m	ı/hr)			Weigh	nt of DC								1														
BRG					Weight o	f String								1					Remar	'ks:								
IETRES DRIL	LED			HO	LE CO	DNDI'	ΓΙΟΝ																					
rom To D-R-	I-C R	PM	WOB	Hol	e Drag	Up	Do	iwn					PEED					_										
				Torque	e at Botton	n			Pump N	o. Pre:	sure S	strokes/m	in Depth	Boiler														
		T		Fill	on Botton	n					@	0	_	Boiler #	Hours F	tun	рН	Stack Temp	SAF	ETY								
											@	0		Doller #	1150131	un	pri	otdory terrip				S	fety Topic			MEHL		MACP
											@	0							DRILL C	JUT						41.0	0kdaN	337

TOUR	SIGNATU	JRE	OF	DRILLER							JASON (SILES										ST	ART	TIME 20:00 END T		24:00
BITS			DR	ILLING AS	SEM	BLY	M	JD RE	COR)			DEVIA							ТІМ	E LC	G				
Bit Nu	mber		No	Component	OD	ID Leng	gth		Mud Type	Wate	r 🗌 🛛 Oil 🗌		Time Dep	oth Dev	viation	Direction		Туре		From	To	Elapsed	Code	Details of Operations in Sequ	uence & Remarks	
	Size									Other [
IADC	Code								Time													1	1	ĺ		
Manufac	turer								Density																	
	Туре								Viscosity																	
Seria	al No							F	luid Loss						-									1		
	Jets								pH																	
							L	ocation c	of Sample				SOLID	s co	NTR	OL										
Depth Ou									Depth				Equipme	ent	Hours	Intake	Over Flow							<u> </u>		
Depth I	()								PVT				Name	9	Run	Density	Density	De	ensity							
Total Drille							CI		ATION									_						<u> </u>		
Hrs Run T							Pum	о# Туре	e Liner Sizi	SPM	Pressure Ho	ırs Run						_								
Cumulative Hrs															DIAL	0.455							<u> </u>	L		
Entry													MUD		Product	S ADD		nount	Tupo					Į		
CUTTING	STRUCTURE			Drill Pipe	Stan									r	TUUULL		AI	nount	Type					<u> </u>		
TI	Gage			Drill Pipe	Singl	es																	<u> </u>	<u> </u>		
TO	ODC			Kelly Down	<u> </u>		Ren	iarks:																<u> </u>		
MDC	Reason Pulled			Total	L																			<u> </u>		
LOC	Total Run (m/hr)	_		Weight of DC																				l		
BRG			_	Weight of String																Remar	KS:					
METRES		/0B		LE CONDI			-1 00	DUO			PEED															
From To	D-R-C RPM W	OB		e Drag Up		Down			ressure S			h														
				e at Bottom			- Fulli	J NO. FI	@		a Dep		Boiler							SAF	FTV					
		_	Fill o	on Bottom					@		2 2	_	Boiler #	ŧ ł	Hours Ru	un	рH	Stack	Temp	SAF	EIY			afety Topic	MEHL	MACP
		_							@		2 2			_										alety topic	57.00kdaN	
									6		8									Connec	tions/B	JP Drill		L	57.00KdaN	3324kPa
V. 1.3																										4 of 4

			FRO		E SUM	MAR)	1				heet Seria 9_2016050			/endor Soft ason	ware Ve	ersion		Year 2016	Month 05	07	DAILY C 1) Daily Walk Ar	ound Inspect	ion		GR MF	
License No	W	Vell Name								Surfac	e Location	-		F	Prov	Loc Type	Unique We	ll Id			 Detailed Insp H2S Signs Pd 			eck List)	GR MF	
31606	PA	ARKLAND C5-	-09-81-16V	/6						05-09-0	81-16W6			В	IC E	DLS	103/14-08	-081-16W6/	00		4) Well Licence 5) Flare Lines S		ram Posted		GR MF	
Operator							0	Contractor						Rig No		Well Type			R		6) BOP Drills Pe				GR MF GR MF	
ARC RESOU	IRCES						F	RECISION	I DRILLING,	DIV OF PI	DCLP			529		HORIZ					7) Visually Inspec	ted BOPs - F	lare Lines & D	egasser Lines	GR MF	
Operator's Al 16DRL0036	IFE						0	Contractor's	s Job No							Spud Date T 2016/05/04 2					1) Rig Site Healt 2) CAODC Rig S	h & Safety N afety Inspect	leeting (one/ ion Checklist	crew/month) t (one/rig/mo	nth)	pason
Signature of Guy Rockaba		ator Represent	tative					lignature o MARC RAY	f Contractor MOND	's Rig Man	ager				1	Rig Release	Date Time				 Mast Inspecti Crown Saver Motor Kills Cl 	on before Ra Checked			ME	Pason
CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	Kelly Bushing 0p Fuel 5.98 3352.00 FUEL @ 08:00 HOURS
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillsten Test	n Plug Back	Squeeze Cement	Fishing	g Dir Worl	k Meeting	Tear Down	Waiting On	Rig Watch	Other	
n Tour 1		4.50			0.50	0.75	0.25													2	.00					8.00 H Time Temp 2.00
Tour 2		4.50				4.25	0.25													2	.00 1.00					12.00 CLEAR
					1 1		1	1	1 1			1				1	1	1	1		.25 0.50		1	1	1	4.00 Wind Direction Wind Strength SW UP TO 19 KM/H
O Tour 3					0.25	2.75	0.25													0						
Tour 1 Tour 2 Tour 3 Total		9.00			0.25	2.75															.25 1.50					24.00 Road Condition GOOD

TOUR 1	S	IGNATURE	E OF	F DRILLER								JASON	GILES	l									ST/	ART .		00:0	0	END TIM		08:00
BITS			D	RILLING AS	SSEN	IBL'	Y	MUD	REC	OR)			DEVI	ATIO	N SUR	VEYS				ТІМІ	E LOG	ì							
Bit Numbe	er 2		No	Component	OD	ID I	Length		М	ud Type	e Water	x Oil		Time D	Depth	Deviation [T	уре		From	To E	lapsed	Code		Details o	of Operat	ions in Sequenc	ce & Remarks	
Size	e	171	1	віт	171	0	0.23m				Other 🗌			00:0011		0.4	353.7				00:00	04:30	4.50	2	DRILL 171mm HC	OLE FROM	VI 1117m	TO 1386m		
IADC Code	e		1	MOTOR	127	0	8.68m			Time	0:	3:00		00:3011		1.2	17.3				04:30	06:30	2.00	20A	ACCUMULATED,	DIRECTIC	ONAL SU	RVEYS,WORK	PIPE AND CC	NNECTIONS
Manufacture	er HALIE	URTON	1	NM SLICK MONE	L 120	69	9.32m			Density	1	180		01:1511		0.2	287.9				06:30	06:45	0.25	7	RIG SERVICE - II	NSPECT/C	GREASE	TOP DRIVE & D	DRAW WORK	S, FUNCTION
	e MM65	0	1	GAP SUB	126	69	1.71m	Fi	unnel Vi		3	33s/l		02:3012		0.1	49.3								ANNULAR-20sec	.T/C				
Serial No	0	12484876	5 1	NM SLICK MONE	L 120	69	9.27m		Flui	id Loss				03:0012		0.6	86.1				06:45	07:15	0.50	5	CIRCULATE BOT	FTOMS UF	P,PUMP	SWEEP		
Jet	S 7.5	7.5 7.5 7.5	1	NM SLICK MONE	L 117	69	9.26m			pН				03:4512		0.6	81.5				07:15	07:30	0.25	6B	CREW CHANGE	SAFETY M	IEETING/	PLAN FORWARI	D W/RIG MAN	AGER & ARC OS
	7.5	7.5 7.5	1	x/0	134	61	0.94m	Loca			SHAKE	RS		SOLI	DS C	ONTRO	DL				07:30	08:00	0.50	бB	TRIP OUT OF HO	DLE FLOW	V CHECK	10 MIN ON BO	ттом	
Depth Out (m		1386	5 1	5 x 4.5" HWDP	114	72	46.80m			Depth				Equip		Hours	Intake	Over Flow												
Depth In (m	1	502	- I	X/O	134	62	0.96m			PVT				Nai		Run	Density	Density	Dens	/										
Total Drilled (m	·	884	1	JARS-HYD/MEC	H 133	57	5.50m	CIRC	ULA	ΓΙΟΝ				BLACKS		8	1190	117		1780										
Hrs Run Toda	· —	4.50		x/o	134	68	0.94m	Pump#	Туре	Liner Siz	e SPM	Pressure H	lours Rur	WHIRLY	BIRD	8	1190	117	0	1780										
Cumulative Hrs Ru		13.00	1	32 x 4.5" HWDP	114	71 2	299.52m	15	SINGLE	140	122	8590	8				0.400													
Entry Date								25	SINGLE	127	7 C	8590	0	MUD	MA	Product	S ADD		ount T											
CUTTING ST	RUC	-		Drill Pipe	Stan		994.50m							SAWDUS	sт	FIUUULL		All		ACH										
TI 8		Gage c	0 0	Drill Pipe	Sing		0.00m							REDUCT						ACH										
T0 8	_	ODC LT	4	Kelly Down			-1.63m	Remark	S:					NEW WA	SH				2 E	ACH										
		Pulled PR	4	Tota		13	386.00m							ALKALIM						ACH										
	otal Run	(m/hr) 68.00	끽	Weight of D										WALNUT						ACH										
BRG X		_		Weight of String			59kdaN							DEFOAM		00				ACH					STOPS/LIMITS &		-			
METRES DR				DLE COND										NEWFLC		00				ACH					BALES/ ALL OVERH					
	D-R-C	RPM WOB		ole Drag Up	2	Down	<u> </u>					PEED	. 11.												L LINES/ CHECK) VALVE /	ALIGNEMENT-FU	INCTION FLAF	E STACK IGNITE
1117m 1386m	DRILL	40 13kdaN		ue at Bottom		640	00.00Nm	Pump No			60 @			Boile	r						SAF		'⊨ BUGG	Y/ MOI	KEYBOARD SRL	-				
			Fil	I on Bottom			0.00m	<u> </u>	1 3010	@ @	60 @		1386	Boile	r#	Hours Ru	ın	рН	Stack Te	mp	SAF	-111		0	afety Topic				IEHL	MACP
								<u> </u>		@	a			╢———										3	arety topic			IVI	55.00kdaN	3324kF
		1	J							e e	U.	<i>*</i>									Connect	ons							55.00KdaN	3324KF

TOUR 2 SI	GNATURE	OF DRILLER	3				SYLVAIN	N ARSENAULT								STA	RT		0		20:00
BITS		DRILLING A	SSEM	IBLY	MUD	RECOR)		DEVIATIO					ТІМ	E LOC	3					
Bit Number 3		No Component	OD	ID Length		Mud Type	e Water 🛛	× 0il 🗌	Time Depth I	Deviation D	Direction	Ту	pe	From	To	Elapsed	Code	Details of	of Operatio	ns in Sequence & Remark	s
Size	171	1BIT	171	0 0.23n			Other		14:15 1401.88m	1.9	211.8			08:00	10:00	2.00	зв	TRIP OUT OF HOLE FLOW CH	HECK 10 MI	IN @ BOTTOM AND @1094N	1,686M.@ TOOLS ,0M
IADC Code		1MOTOR	127	0 8.68n		Time	14:0	00 17:30	15:15 1431.13m	0.5	322.56			10:00	10:15	0.25	21	SAFETY MEETING WITH D	D REVIEW	V COP 2-1	
Manufacturer HALIBL	JRTON	1NM SLICK MONE	L 120	69 9.32n		Density	117	70 1165		0.3	26.2			10:15	10:45	0.50	20A	DIRECTIONAL WORK CHANGE	OUT BIT FU	INCTION BLIND RAM 4 SEC TO	CLOSE, CHANGE
Type MM64D	1	1GAP SUB	126	69 1.71n	Fun	nnel Viscosity			17:15 1489.63m	0.7	12.2 40.5							BIT, CHECK OFFSET			
Serial No	12658869	1NM SLICK MONE	L 120	69 9.27n]	Fluid Loss			18:30 1518.88m	0.7	40.5			10:45	11:00	0.25	21	SAFETY MEETING ON TRIP	P BACK IN	REVIEW COP 2-5/CLEAN	UP RIG FLOOR
Jets 7.9	7.9 7.9 8.7	1NM SLICK MONE	L 117	69 9.26n		pH			1	-				11:00	13:15	2.25	6A	TRIP IN HOLE FILL PIPE @6901	M AND FLC	W CHECK WASH DOWN ST	AND FROM 1130M TO
8.7	8.7	1X/0	134	61 0.94n	Locatio	on of Sample	SHAKERS	S SHAKERS	SOLIDS C	ONTRO)L					ĺ		1200M AND WASH DOWN LAS	ST 2 STAND	TO BOTTOM, FLUSH BOTTO	M AND PUMP SWEEF
Depth Out (m)	1540	15 x 4.5" HWDP	114	72 46.80n	1	Depth	1370			Hours	Intake	Over Flow	Under Flow	13:15	13:30	0.25	21A	DRILLS/SOUR DRILL WITH D	DAY CREW	/FLOW CHECK @ 1440M D	UE TO 3PARTY GAS
Depth In (m)	1386	1x/0	134	62 0.96n	11	PVT	66m	n3 78m3		Run	Density	Density	Density					INCREASE			
Total Drilled (m)	154	1JARS-HYD/MEC	H 133	57 5.50n	CIRCU	JLATION			CENTRIFUGE	12	1170	1160	2000	13:30	18:00	4.50	2	DRILL 171MM HOLE FROM	1 1386M TO	D 1540m	
Hrs Run Today	4.50	11X/O	134	68 0.94n	Pump# 1	Type Liner Siz	e SPM Pi	ressure Hours Rur						18:00	19:30	1.50	20A	DIRECTIONAL SURVEYS,C	CONNECT	ION TIME	
Cumulative Hrs Run	4.50	132 x 4.5" HWDP	114	71 299.52n		NGLE 14	121	9030 7						19:30	19:45	0.257	7	RIG SERVICE FCT UPPER	PIPE RAN	4 SEC TO CLOSE	
Entry Date 2016/05	5/07				2611	NGLE 12	7 0	9030 0	MUD MAT		S ADD			19:45	20:00	0.25	21	CREW CHANGE MEETING	REVIEW	KEY BELIEFS	
CUTTING STRUCT	URE	39 Drill Pipe	Stan	ds 1140.75n					i	Product		Amo									
TI 8	Gage 0	o Drill Pipe	Singl	les 0.00n					ALKALIME WAI NUT				2 EACH 7 EACH								
T0 8	ODC LT	Kelly Dow	'n	6.12n	Remarks:				PREVENTION				1 EACH								
MDC LC Reason F	Pulled PR	Tot	al	1540.00n					DEFOAMER DS	0			2 EACH								
LOC A Total Run (m/hr) 34.22	Weight of D	c		1				NEWFLOC				2 EACH								
BRG X	-	Weight of Strin	ig 📃	59kdal	1				REDUCTION				2 EACH	Remar	ks: FUN	CTION TR	AVEL	STOPS/LIMITS & CROWN S	SAVER		
METRES DRILLED)	HOLE COND	ITION	N N					1					INSPEC	T TOP DRI	VE/ ELEVA	TORS/	BALES/ ALL OVERHEAD EQUPI	IMENT-INSF	PECT NOV ST-80 & ALL DRILL	FLOOR EQUIPMENT
From To D-R-C	RPM WOB	Hole Drag Up	3	Down 3	REDU	CED PU	MP SP	EED	l				_	INSPEC	т сноке	LINES/HC	R'S/KI	L LINES/ CHECK MANIFOLD	VALVE AL	IGNEMENT-FUNCTION FLA	RE STACK IGNITER
1386m 1540m DRILL	50 12kdaN	Torque at Bottom		5000.00N	Pump No.	Pressure	Strokes/min	n Depth						INSPEC	T ESCA	PE BUGG	Y/ MOI	KEYBOARD SRL			
		Fill on Bottom		0.00	-	2500 @	50 @	1500	Boiler Boiler #	Hours Ru		pH	Stack Temp	SAF	ЕТҮ						
		The of Bottom		0.00		@	@		Builer #	riours Ru		pn :	эласк тетр				S	afety Topic		MEHL	MACP
						@	@		1					TRIP IN						60.00kdaN	3324kPa

TOUR 3	SIC	GNA'	TURI	E OF	DRILLE	R							JAS	ON GILE	s									ST	ART		3	20:00	ENC		24:0	00
BITS				DR		ASSI	ЕМВ	LY	MUC	RE	CORE)					ON SL					тімі	E LO	G								
Bit Number				No	Componer	nt 0	ID ID	Length		Ν	lud Type	e Water	x (Dil 🗌	Time	Depth	Deviatio	n Direct	ion	Ту	pe	From	To	Elapsed	Code		Deta	ails of Ope	rations in	Sequence & Ren	narks	
Size												Other										20:00	20:15	0.2	55	CIRCULATE B	воттом	S UP				
IADC Code											Time	20	0:00		1—			_	-			20:15	22:15	2.0	06B	REVIEW COP	2-4 - TRI	IP OUT OF	HOLE FR	OM 1540m TO 4	34m, FLOW C	CHECKS (
Manufacturer											Density	1	120		1—			-	-							1445m/775m/4	484m					
Туре									F	unnel V	iscosity	3	33s/l		1—				-			22:15	22:30	0.2	521A	SOUR BOP DRI	LL. WELL	SECURE IN	101 SECO	NDS. CREW RESP	ONDED WELL	CHECKE
Serial No										Flu	id Loss							-	+							WIND DIRECTIO	ON AND H	EADED TO	APPROPR	IATE MUSTER PO	NT- REVIEW N	MAN DOWN
Jets											pН															SEARCH ROU	JTE					
									Loca	ation of	Sample	shake	rs		SO	LIDS	CONT	ROL				22:30	23:15	0.7	56B	CONTINUE TRIF	P OUT OF	HOLE FRO	M 484m TO	38m, FUNCTION B	LIND RAMS/FL	LOW CHEC
Depth Out (m)											Depth				Ea	uipment	Hou	rs Inta	ake	Over Flow	Under Flow					OUT OF HOLE	E, TRIP R	ECORD-C	CALC.=6.84	4m3, ACTUAL=9.	89m3, DIFF.=	=3.05m3
Depth In (m)											PVT					Name	Rur	n Den	isity	Density	Density	23:15	23:30	0.2	521	REVIEW COP	2-1 WITH	H DISCOV	ERY DIRE	CTIONAL		
Total Drilled (m)									CIRC	ULA	TION											23:30	23:45	0.2	520	HANDLE BHA	- BREAK	OFF BIT-	LAY OUT	MOTOR		
Hrs Run Today									Pump#	Туре	Liner Siz	SPM	Pressur	'ê Hours Ru	n			_				23:45	24:00	0.2	57	RIG SERVICE -	INSPECT	/GREASE 1	TOP DRIVE	& DRAW WORKS,	FUNCTION LC	OWER PIPE
Cumulative Hrs Run									1		140	0 0		0 0												RAMS-5sec.T/	/C					
Entry Date									2		127	7 C		0 0	MU	D M/	TERI/		DDE													
CUTTING STRU	UCTI	JRE			Drill Pipe	5	Stands					1			1		Produ	uct		Amo	unt Type											
П	G	lage			Drill Pipe	S	Singles					1			1⊢																	
TO		DDC			Kelly Do	own			Remar	KS:					1⊢																	
MDC Rea	ason Pu	illed			Т	otal																										
LOC Total	l Run (n	n/hr)			Weight of	f DC																										
BRG					Weight of St	ring																Remark	ks: FUN	ICTION "	TRAVEL	STOPS/LIMITS	5 & CRO\	WN SAVE	R			
METRES DRIL	LED.			HO	LE CON								_							INSPECT	TOP DR	IVE/ ELE	/ATORS/	BALES/ ALL OVE	ERHEAD E	QUPIMENT	-INSPECT N	NOV ST-80 & ALL D	RILL FLOOR E	EQUIPMENT		
From To D-R-	-C R	PM	WOB	Hol	le Drag 🛛 🖓	p 📃	Do	wn				MP S		D								INSPEC	т снок	E LINES/	HCR'S/K	LL LINES/ CHEC	CK MANIF	OLD VALV	E ALIGNE	MENT-FUNCTION	FLARE STAC	K IGNITER
			Torque at Bottom							o. Pres	sure S	Strokes/m	nin	Depth	Boi	lor								PE BUG	GY/ MO	NKEYBOARD S	SRL					
	Fill on Bottom									@	0	9			oiler #	Hours	s Bun	r	oH S	Stack Temp	SAF	ETY										
				<u> </u>					'		@	@				01101 11	lindari	- 1001			statist romp				5	Safety Topic				MEHL	M	IACP
											@	a	Ð									Connect	ions/So	IRBOP D	rill/Trip					70.00k	daN	3570kP

			FRO	NT PAC	GE SUM	MARY	,				heet Serial 9_2016050			/endor Soft ason	ware Ve	ersion		Year 2016	Month 05	07	Daily Walk An Detailed Insp	ound Inspect	tion	eck List)	OP R		ŀ	
License No	W	ell Name								Surfac	e Location			ł	Prov L	Loc Type	Unique We	ll Id		3	H2S Signs Po	sted if Requ	ired	,		_ ((CAO	DC
31606	PAF	RKLAND C5-	-09-81-16V	V6						05-09-08	31-16W6			E	IC D	DLS	103/14-08	-081-16W6	/00	4	Well Licence	& Stick Diag	ram Posted		\vdash			
Operator							(Contractor						Rig No	١	Well Type			Re		BOP Drills Per				\vdash	-		
ARC RESOL	JRCES						F	RECISION	DRILLING,	DIV OF PE	DCLP			529		HORIZ				7	Visually Inspec	ted BOPs - F	lare Lines & D	egasser Lines				
Operator's / 16DRL0036	\FE						(8	Contractor' 34	s Job No							Spud Date T 2016/05/04 2				2) Rig Site Healt) CAODC Rig Si	afety Inspect	tion Checklist	(one/rig/mo	nth)	P	aso	
Signature o Guy Rockab		or Represen	tative					Signature o MARC RAY	of Contractor MOND	's Rig Man	ager				F	Rig Release	Date Time			4) Mast Inspecti) Crown Saver) Motor Kills Ch	Checked	aising or Low	ering	E		Pasor	
CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		Kelly Bushing	Op Fuel
																											FUEL @ 08	00 HOURS
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillsterr Test	n Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL	Rig	Boiler
က Tour 1		4.50			0.50	0.75	0.25													2.0	0					8.00	H Time	Temp
Tour 2		4.50		1		4.25	0.25		1								1		1	2.0	0 1.00		1		1	12.00	Current Conditions	
Tour 3					0.25	2.75	0.25													0.1						4.00	Wind Direction	Wind Strength
Total		9.00		1	0.75	7.75	0.75		1					İ		1		1		4.2	5 1.50			ĺ		24.00	Road Condition	

TOUR 1		SIGN/	ATURI	E OF	DRILLER							JAS	ON GILES										ST	ART	TIME 00:00 EN		08:00
BITS				DR	ILLING AS	SEM	BLY	MU	D RE	CORI	D			DE\	VIATI	ON SUI	RVEYS				TIM	E LO	G				
Bit Numbe	er			No	Component	OD I	D Leng	th	I	Aud Typ	e Wate	r 🗌 1	Dil 🗌			Deviation	Direction		Туре		From	To	Elapsed	Code	Details of Operations in	Sequence & Remarks	
Siz	e										Other				1314.13m	0.6											
IADC Code	e									Time					1343.38m	1.1											
Manufacture	er									Density					1358m	2.2					i						
Тур	e								Funnel V					05:45	1372.630	2.2	236.5										
Serial N	0								Flu	uid Loss																	
Jet	s									рH											1						
								Lo	cation of	Sample				SOL	LIDS	CONTR	OL										
Depth Out (m	1)									Depth	_				uipment	Hours		Over Fl		der Flow							
Depth In (m										PVT				ĺ.	Name	Run	Density	Densi	ty (Density							
Total Drilled (m	1)							CIR	CULA	TION						_											
Hrs Run Toda	y							Pump#	Туре	Liner Siz	e SPM	Pressu	e Hours Ru	۱ <u> </u>		_	_	_									
Cumulative Hrs Ru															-												
Entry Dat														MU	D MA		LS ADI										
CUTTING ST	RUC		=		Drill Pipe	Stan]—		Produc	t	/	Amount	Туре							
П		Gage			Drill Pipe	Singl	es														1						
TO		ODC		_	Kelly Down	۱		Rema	rks:											1	iL						
		n Pulled		_	Total]						
	otal Ru	n (m/hr)		4	Weight of DC																						
BRG					Weight of String				_					<u> </u>											CONNECTIONS FROM DERRICK		
METRES DR		_		НС	LE COND	ITION							_												LINE BEGAN LEAKING DURING TRANSP	ER, REPLACED O-RIN	IG.
From To E	D-R-C	RPM	WOB	Ho	le Drag 🛛 Up 🗌		Down				IMP S										PLANN	ED OB	SERVATIO	0N- D.P.	CONNECTIONS FROM DERRICK-JG		
				Torqu	e at Bottom			Pump	No. Pre		Strokes/I	_	Depth	Boi	ler												
				Fill	on Bottom					@		2			iler #	Hours I	Run	pН	Stac	k Temp	SAF	ETY					
										@		2												S	afety Topic	MEHL	MACP
										@	(2									Connect	tions				55.00kdaN	3324k

TOUR 2	R 2 SIGNATURE OF DRILLER												SYLV	AIN ARS	ENAUL	T									ST	ART	TIME 08:00 EN		20:00
BITS	DRILLING ASSEM									MUD	RE	CORI)			DE\	/IATIO	ON SU	RVEYS				тімі	E LO	G			· ·	
Bit Number				No	Com	ponent	OD	ID	Length		Ν	lud Typ	e Wate	r 🗌 (il 🗌	Time	Depth	Deviation	Direction		Туре	9	From	To	Elapsed	Code	Details of Operations in	Sequence & Remarks	
Size													Other [1				
IADC Code												Time				1—										1			
Manufacturer												Density]—													
Туре										F	unnel V	iscosity				1—													
Serial No											Flu	id Loss				1													
Jets												pН																	
										Loca	tion of	Sample				SOL	IDS (CONTR	ROL										
Depth Out (m)												Depth				Eau	ipment	Hours	Intake	Over F	low l	Under Flow							
Depth In (m)												PVT				ľ	lame	Run	Density	Dens	ity	Density							
Total Drilled (m)										CIRC	ULA	TION																	
Hrs Run Today										Pump#	Туре	Liner Siz	e SPM	Pressur	e Hours Ru	n													
umulative Hrs Run													1																
Entry Date																MU	D MA		LS AD										
UTTING STR	UCT	URE			Drill Pip		Star]—		Produc	t		Amoun	nt Type							
п		Gage			Drill Pip	pe	Sing	les								┣——						+ +							
то		ODC			Ke	elly Dowr	n			Remark	IS:																		
	eason F					Tota																							
	al Run ((m/hr)				ight of DO]													
BRG						t of String]—							Remark	KS: RE	VIEW CO	P 2-3 DF	CONNECTIONS FROM DERRICK		
IETRES DRIL				HO	DLE C	COND	ΙΤΙΟ	Ν														+	HAZARI	D ID-TI	JGGER W	AS LOC	SE IN DERRICK STOP AND SNUG HER U	P	
rom To D-R	R-C	RPM	WOB	Hol	le Drag	Up		Down		RED												+							
				Torqu	ie at Bott	om				Pump N	o. Pre			_	Depth	Boil	er												
				Fill	on Botto	om						@	_	0			iler #	Hours	Run	рH	Sta	ack Temp	SAF	ETY					
												@	_	0												S	afety Topic	MEHL	MACP
										L		@	(0									TRIP IN					60.00kdaN	332

TOUR	3	SIG	AIUR										JAS	SON GILE	9								51	AKI		2	20:00	ENL			24:00
BITS				DF	RILLING AS	SEI	ΜВΙ	LY	MU	RE	CORE)						RVEYS			TIM	IE LO	DG								
Bit Nu	umber			No	Component	0D	ID	Length		Ν	lud Type	e Wate	er 🗌	0il	Time	Depth	Deviation	Direction		Туре	From	To	Elapsed	Code	9	Deta	ils of Oper	rations in \$	Sequence & Re	marks	
	Size								11			Other [
IADC	Code										Time				1								1								
Manufa	cturer								11		Density																				
	Type								1 F	Funnel V	iscosity				1—						-	1		1							
Ser	rial No								11	Flu	id Loss										-		1								
	Jets						П		11		pН												1								
									Loci	ation of	Sample				SO		CONTR	ROL	1			1	1	1							
Depth 0	ut (m)]		Depth					uipment Name	Hours	-	Over Flo	w Under Flow											
Depth	In (m)]		PVT					Name	Run	Density	Density	Density											
Total Drille	ed (m)								CIRC	ULA	TION																				
Hrs Run									Pump#	Туре	Liner Siz	e SPM	Pressu	ure Hours Ru			_	-		-	_										
Cumulative Hr	rs Run																														
	y Date											1			MU	D MA		LS ADI													
CUTTING	STR	UCTU	RE		Drill Pipe	Sta	inds										Produc	t	A	nount Type	-										
TI		Gag	e		Drill Pipe	Sin	gles																								
TO		OD			Kelly Down				Remar	ks:																					
MDC		ason Pulle			Total																										
LOC	Tota	l Run (m/h	r)		Weight of DC																										
BRG					Weight of String																Rema	rks: R	EVIEW CO	P 2-3 D	P CONNECTI	ONS FROM	I DERRICH	K, 2-4 TRI	P OUT OF HOL	.E	
METRES				НС	DLE CONDI	TIO	N														SOUR	WELL	BOP/MAN	DOWN	DRILL - WELL	SECURE/	MEN IN PO	OSITION-1	01seconds		
From To	D-F	-C RPN	1 WOB	Ho	ole Drag Up		Dow	vn	RED																						
				Torqu	ue at Bottom				Pump N	o. Pre:	· ·			Depth	Boi	ler															
				Fill	on Bottom				1		@	_	@			oiler #	Hours	Run	рН	Stack Temp	SAF	ETY	·								;
			_						·		@	_	@												Safety Topic				MEHL		MACP
											@	(@								Connec	ctions/S	ourBOP D	ill/Trip					70.00	/kdaN	3570kPa

			EBO		GE SUM		,				heet Seria			Vendor Soft	ware Ver	rsion			Month		DAILY C				GR MR	
											9_2016050	_	P	ason				2016	05	08 2) Detailed Insp	ection - Wee	klv (Usina Ch	eck List)	GR IMR	
License No	W	lell Name								Surfac	e Location			f	Prov L	oc Type	Unique We	ll Id) H2S Signs Po				GR MR	
31606	PA	RKLAND C5-	-09-81-16V	/6						05-09-0	81-16W6			E	BC D	LS	103/14-08	-081-16W6/	00) Well Licence) Flare Lines S		ram Posted		GR MR	
Operator							C	Contractor						Rig No	٧	Vell Type			R) Plare Lilles S) BOP Drills Pe				GR MR	
ARC RESO	JRCES						P	RECISION	DRILLING	DIV OF PI	DCLP			529	ŀ	HORIZ) Visually Inspec		lare Lines & D	egasser Lines	GR MR	
Operator's	AFE						0	Contractor's	s Job No						5	Spud Date Ti	me				Die Cite Heet	uh 0 C-4-4- 8	Anation (one)			- pason 🗋
16DRL0036							8	34							2	016/05/04 23	3:00			2) Rig Site Heal) CAODC Rig S	afety Inspect	tion Checklist	(one/ria/mor	nth)	
Signature of	f Operat	tor Represen	tative				S	Signature o	of Contractor	's Rig Man	ager				F	Ria Release I	Date Time			3) Mast Inspect	ion before Ra				
Guy Rockat								ARC RAY							1.) Crown Saver) Motor Kills C				MR	Pason
																										Kelly Bushing Op Fuel 5.98 3104.00
CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
	Rig	Drill			Cond Mud		Ria	Renair	Cut Off	Dev	Wireline	Run Csa	Wait On	Nipple Up	Test	Drillstem	Plug	Squeeze		Dir	Safety	Tear	Waiting	Bia		FUEL @ 08:00 HOURS
	Up	Actual	Reaming	Coring	& Circ	Trips	Service	Repair Rig	Cut Off Drilg Line	Survey	Logs	& Cement	Cement	BOP	BOP	Test	Back	Squeeze Cement	Fishing	Work	Meeting	Down	On	Rig Watch	Other	TOTAL Rg 12415.00 Boiler 0.00
n Tour 1		2.00			0.75	2.75	0.25							1						2.2	5					8.00 fime Temp 2.00
Tour 2		8.50		1	1 1		0.25							1			1			3.2	5	1	İ	İ	1 1	12.00 E CLEAR
Tour 2		3.00		<u> </u>			0.25						1	1			1			0.7						Wind Direction Wind Strength
Tour 1 Tour 2 Tour 3 Total																				-	-					
Total		13.50			0.75	2.75	0.75													6.2	5					24.00 South Condition
		_		L	<u> </u>											_								L	· · · · ·	
тош												SON GILE		1	1	-					1	T TIM				

TOUR 1	SIGNATURE	OF	DRILLER							JASON	GILES										ST	ART	TIME		00:00		END	TIME		08:00
BITS		DF	RILLING AS	SEM	BLY	MU	D RE	CORE)						RVEYS				ТІМІ	E LO	G									
Bit Number	4	No	Component	D Lengt	h	N	lud Type	e Water	× Oil				Deviation	Direction		Туре		From	To	Elapsed	Code		De	etails of	Operati	ions in Se	equence &	Remarks		
Size	171	1	віт	171	0 0.2	3m			Other 🗌				1549.54m	1.5	61.7				00:00	02:00	2.0	20	CHANGE OU	ЈТ МОТО	OR, GAP	P SUB/N	WD TOO	DL, MAKE L	JP BIT #4	
IADC Code		1	MOTOR	127	0 8.7	١m		Time	0	5:00		07:15	1577.79m	1.1	35.4				02:00	04:45	2.7	56A	REVIEW COP	9 2-5 - TF	RIP IN HO	OLE TO	1535m, Fl	LOW CHEC	KS/FILL PI	PE @ 481m, 774m
Manufacturer	HALIBURTON	1	NEAR BIT INC SUB	132	42 1.3	ŝm		Density	1	120		\parallel							04:45	05:30	0.7	55	WASH TO BO	оттом	FROM 1	1535m,	PUMP SV	VEEP @ 15	539.5m	
Туре	MM64D	1	NM SLICK MONEL	120	69 9.3	2m	Funnel V		3	33s/I									05:30	07:30	2.0	12	DRILL 171mr	m HOLE	FROM	1540m	TO 1593M	и		
Serial No	12642936	1	GAP SUB	126	69 1.7)m	Flu	id Loss											07:30	07:45	0.2	520A	ACCUMULAT	TED,DIR	RECTION	NAL SU	RVEYS,W	VORK PIPE	AND COM	INECTIONS
Jets	7.1 7.1 7.1 9.5	1	NM SLICK MONEL	120	69 9.2			pН											07:45	08:00	0.2	57	RIG SERVIC	E - INSF	PECT/GP	REASE	TOP DRI	VE & DRAV	W WORKS	, FUNCTION
	9.5 9.5	1	NM SLICK MONEL	117	69 9.2	Sm LC	cation of		SHAKE	RS		SOL	IDS C	ONTR	OL								ANNULAR-20	0sec.T/C	2					
Depth Out (m)		1	х/о	134	61 0.9	ŧm		Depth					ipment	Hours	Intake	Over Flo		nder Flow												
Depth In (m)	1540	1	5 x 4.5" HWDP	114	72 46.8)m		PVT				N	lame	Run	Density	Density	/	Density												
Total Drilled (m)	53		х/о		62 0.9	im CIR	CULA	TION						-	-	-														
Hrs Run Today	2.00	1	JARS-HYD/MECH	133	57 5.5	Dm Pump	# Type	Liner Siz	e SPM	Pressure	Hours Run						_													
Cumulative Hrs Run	2.00	1	x/o		68 0.9	١m	1 SINGLE	140) 105	12000	3																			
Entry Date			32 x 4.5" HWDP		71 299.5		2SINGLE	127	7 C	12000	0	MU	D MA	Product	LS ADD			t Type												
CUTTING STR			Drill Pipe		ls 1199.2	ŝm						NEWFI	00	Product		A	nount	2 EACH												
п	Gage	0	Drill Pipe	Single	es 0.0							SAWD					20													
TO	ODC		Kelly Down		0.0	m Rema	arks:					DEFOA	AMER DS	со		1	2	2 EACH												
	Reason Pulled		Total		1593.7)m						<u> </u>	UM CHLC				23													
	tal Run (m/hr)		Weight of DC		0kd							Protect	tion 20L P	ail			2	2 EACH												
BRG			Weight of String		64kd	aN												-	Remark	KS: FUN	ICTION 1	RAVEL	STOPS/LIMIT	TS & CR	OWN SA	AVER				
METRES DRI		н	DLE CONDI									-																		OOR EQUIPMENT
From To D-	R-C RPM WOB	Ho	ole Drag Up	4	Down 6		DUCE																		VIFOLD \	VALVE A	ALIGNEME	NT-FUNCT	ION FLARE	STACK IGNITER
1540m 1593m D	ORILL 30 10kdaN	Torq	ue at Bottom		4500.00	Im Pump	No. Pres					Boil	er			, i		· · ·			PE BUG	GY/ MO	NKEYBOARD	SRL						
		Fill	I on Bottom		0.0)m	1 3270		60 @	_	774		iler #	Hours F	Run	рH	Sta	ck Temp	SAF	ETY										
						-	1 4305	 	65 @		1535				1							S	afety Topic					MEHL		MACP
								@	@	9									Trip/BHA	\/Conne	ctions									

TOUR 2 SIGNATURE		SYLVAIN ARSENAULT		START TIME 08:00 END TIME 20:00
BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number 4	No Component OD ID Le	ength Mud Type Water 🗴 Oil 🗌	Time Depth Deviation Direction Type	From To Elapsed Code Details of Operations in Sequence & Remarks
Size 171	1BIT 171 0	0.23m Other	09:00 1607.04m 0.8 12.4	08:00 16:30 8.502 DRILL 171MM HOLE FROM 1593M TO 1751M
IADC Code	1MOTOR 127 0	8.74m Time 09:30	09:30 1616.79m 1.1 357	16:30 19:45 3.25 20A DIRECTIONAL SURVEYS, CONNECTION TIME
Manufacturer HALIBURTON	1NEAR BIT INC SUB 132 42	1.36m Density 1130	11:15 1626.54m 1.3 327	19:45 20:00 0.257 RIG SERVICE FCT UPPER PIPE RAM 4 SEC TO CLOSE
Type MM64D	1NM SLICK MONEL 120 69	9.32m Funnel Viscosity 32s/l	12:15 1636.29m 2.5 310.4	
Serial No 12642936	1GAP SUB 126 69	1.70m Fluid Loss	13:15 1650.91m 4.4 322.9 14:15 1665.54m 6.5 345	
Jets 7.1 7.1 7.1 9.5	1NM SLICK MONEL 120 69	9.27m pH	15:00 1680.16m 9.1 344.3	
9.5 9.5	1NM SLICK MONEL 117 69	9.26m Location of Sample SHAKERS	SOLIDS CONTROL	
Depth Out (m)	1X/O 134 61	0.94m Depth 1610m	Equipment Hours Intake Over Flow Under Flo	
Depth In (m) 1540	15 x 4.5" HWDP 114 72 4	6.80m PVT 70m3	Name Run Density Density Density	
Total Drilled (m) 211	1X/O 134 62	0.96m CIRCULATION	CENTRIFUGE 12 1140 1120 23	00
Hrs Run Today 8.50	1JARS-HYD/MECH 133 57	5.50m Pump# Type Liner Size SPM Pressure Hours Run		
Cumulative Hrs Run 10.50	1X/O 134 68	0.94m 1SINGLE 140 105 8570 12		
Entry Date 2016/05/08	132 x 4.5" HWDP 114 71 29	9.52m 2SINGLE 127 0 8570 0	MUD MATERIALS ADDED	
CUTTING STRUCTURE	46 Drill Pipe Stands 134	15.50m	Product Amount Type	
TI Gage	1 Drill Pipe Singles	9.75m	REACTION 4 EAU ALKALIME 3 EAU	
TOODC	Kelly Down	1.21m Remarks:	NEWFLOC 2 EA	
MDC Reason Pulled	Total 175	1.00m	PREVENTION 2 EAU	ж
LOC Total Run (m/hr)	Weight of DC			
BRG	Weight of String 6	i8kdaN		Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER
METRES DRILLED	HOLE CONDITION			INSPECT TOP DRIVE/ ELEVATORS/ BALES/ ALL OVERHEAD EQUPIMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPM
From To D-R-C RPM WOB	Hole Drag Up 8 Down	REDUCED PUMP SPEED		INSPECT CHOKE LINES/HCR'S/KILL LINES/ CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IGNI
1593m 1751m DRILL 30 10kdaN	Torque at Bottom 6800	0.00Nm Pump No. Pressure Strokes/min Depth	Boiler	INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL
		0.00m 1 3200 @ 60 @ 1590	Boiler # Hours Run pH Stack Temp	SAFETY
	L	1 2950 @ 60 @ 1739		Safety Topic MEHL MACP
	1	@ @		STICK CONNECTION 64.00kdaN 3423
	-		· · · ·	

TOUR 3	SIGNAT	URE	OF DRILLER							JASON GILE										ST	ART		20:0	00		24:00
BITS			DRILLING AS	SSEMB	SLY	MUD	RECO	ORD			DE	VIATIO	ON SUI	RVEYS			TI	ME	LOC	ì						
Bit Number 4			No Component	OD ID	Length		Muc	d Type	Water	x Oil	Time	Depth	Deviation	Direction		Туре	Fro	om	To	Elapsed	Code		Details	of Operat	tions in Sequence & Rem	arks
Size		171	1BIT	171 (0 0.23m			0	ther 🗌) 1753.29m	22.4				20	0:00	23:00	3.00	2	DRILL 171mm	HOLE FRO	M 1751m	TO 1809m	
IADC Code			1MOTOR	127 (0 8.74m			Time	20:	00		5 1767.91m	25.9	343.1			2	3:00	23:45	0.75	20A	ACCUMULATE	D,DIRECTI	IONAL SU	JRVEYS,WORK PIPE AND	CONNECTIONS
Manufacturer HAL	IBURTON		1NEAR BIT INC SL	/B 132 42	2 1.36m		De	nsity	11	20		5 1782.54m 0 1797.16m	27.6				- 23	3:45	24:00	0.25	7	RIG SERVICE - I	INSPECT/GR	REASE TOP	P DRIVE & DRAW WORKS,	FUNCTION LOWER PIP
Туре мме	64D		1NM SLICK MONE	L 120 69	9 9.32m	Fu	nnel Visc	osity	31	s/l	23:00	J 1797.16m	29.1	343.2								RAMS-5sec.T/0	C			
Serial No	126	642936	1GAP SUB	126 69	9 1.70m		Fluid	Loss																		
Jets 7.	1 7.1 7.1	9.5	1NM SLICK MONE	L 120 69	9 9.27m			pН																		
9.	5 9.5		1NM SLICK MONE	EL 117 69	9 9.26m	Locat	ion of Sa	mple s	SHAKER	S	SO	LIDS (CONTR	OL												
Depth Out (m)			1X/O	134 61	1 0.94m		D)epth			Eq	uipment	Hours		Over Flov											
Depth In (m)		1540	15 x 4.5" HWDP	114 72	2 46.80m			PVT			1 1	Name	Run	Density	Density	Densit	/									
Total Drilled (m)		269	1X/O	134 62	2 0.96m	CIRC	ULATI	ION																		
Hrs Run Today		3.00	1JARS-HYD/MEC	H 133 57	7 5.50m	Pump#	Type Lir	ner Size	SPM F	Pressure Hours Ru	·															
Cumulative Hrs Run		13.50	1X/O	134 68	8 0.94m	15	INGLE	140	105	8875 4																
Entry Date 2016	/05/08		132 x 4.5" HWDP	114 71	1 299.52m	26	INGLE	127	0	8875 0	MU	D MA		LS ADI												
CUTTING STRUC	CTURE		o Drill Pipe	Stands	0.00m						1—		Product	t	An	nount Typ										
TI	Gage		o Drill Pipe	Singles	0.00m							UM CHL				22 EA 1 EA										
TO	ODC		Kelly Dow	n	0.00m	Remarks	3:				IDEFO	AMER D	500			1 64	СП									
MDC Reaso	on Pulled		Tota	al l	394.54m						1															
LOC Total Ru	un (m/hr)		Weight of D	0	0kdaN										<u> </u>											
BRG			Weight of Strin	g	64kdaN						1						Rei	marks	s: FUN	CTION T	RAVEL	STOPS/LIMITS	& CROWN	I SAVER		
METRES DRILL	ED		HOLE COND	ITION							<u> </u>						INSF	PECT	TOP DRI	VE/ ELEV	ATORS/	BALES/ ALL OVE	RHEAD EQU	IPIMENT-IN	SPECT NOV ST-80 & ALL DI	RILL FLOOR EQUIPMEN
From To D-R-C	RPM V	WOB	Hole Drag Up	7 Do	iwn 6	REDL	JCED	PUN	IP SP	PEED							INSI	PECT	CHOKE	LINES/H	CR'S/KI	LL LINES/ CHEC	K MANIFOL	D VALVE	ALIGNEMENT-FUNCTION	LARE STACK IGNITE
1751m 18097m DRILL	30 13	3kdaN	Torque at Bottom		6800.00Nm	Pump No.	Pressu	ire Str	okes/mi	n Depth	Boi	lor					INS	PECT	r escal	PE BUG	GY/ MO	NKEYBOARD S	RL			
			Fill on Bottom		0.00m	1	3200	@	60 @	1797		Diler #	Hours F	Run	рH	Stack Tem	S/	AFE	TY							
					0.0011			@	@			JIGI #	noursi	un	pri	Otdok 1011					S	afety Topic			MEHL	MACP
								@	@								Con	nectio	ons						77.00kd	aN 3373kP

			FROM	NT PAG	GE SUM	IMARY	,				heet Serial 9_2016050			/endor Soft ason	tware Ve	rsion		Year 2016	Month 05	08) Daily Walk Ar) Daily Walk Ar	ound Inspect	tion		OP R			
License No	W	/ell Name								Surfac	e Location			ł	Prov L	Loc Type	Unique We	ll Id		1) H2S Signs Po	sted if Requ	ired	,		= (CAC	DC)
31606	PA	RKLAND C5-	09-81-16W	/6						05-09-08	31-16W6			E	BC D	DLS	103/14-08	-081-16W6/	00) Well Licence) Flare Lines S		ram Posted		\vdash			
Operator							(Contractor						Rig No	١	Nell Type			Re) Plare Lilles S) BOP Drills Pe				\vdash	-		
ARC RESOL	JRCES						F	RECISION	DRILLING,	DIV OF PE	DCLP			529		HORIZ) Visually Inspec		lare Lines & D	egasser Lines				
Operator's / 16DRL0036							(8	Contractor' 34	s Job No							Spud Date T 016/05/04 2				1) Rig Site Heal) CAODC Rig S	afety Inspect	tion Checklist	(one/rig/mor	nth)	F	asi	
Signature o	f Opera	tor Represen	tative				5	Signature c	of Contractor	's Rig Man	ager				F	Rig Release	Date Time) Mast Inspect) Crown Saver		aising or Low	ering		_	Pa	
Guy Rockab	ar							MARC RAY	MOND) Motor Kills C					-	Pa	son
CODE		2	3	4	5	6	-	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		Kelly Bushing	Op Fuel
CODE	-									10										20		~~~			25		FUEL @	08:00 HOURS
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillsterr Test	1 Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL	Rig	Boiler
n Tour 1		2.00			0.75	2.75	0.25													2.	25					8.0	o 🛱 ^{Time}	Temp
Tour 2		8.50		1			0.25		1								1		1	3.:	25		1		1	12.0	0 Current Con	ditions
Tour 3		3.00					0.25													0.	'5						Wind Direct	on Wind Strength
Total		13.50			0.75	2.75	0.75													6.	25					24.0	0 Road Condit	ion
																					•							

TOUR 1		SIGN	ATURI	E OF	DRILLER							JA	SON GILE	s									ST	ART		ΛΕ ΟΓ	18:00
BITS				DR	RILLING AS	SEN	BLY	М	UD RE	COR	D					ON SUF					TIM	E LO	G				
Bit Numbe	er			No	Component	0D	ID Lei	ngth		Mud Ty	pe Wat	er 🗌	0il 🗌	Time	Depth	Deviation	Direction		Туре		From	To	Elapsed	I Code	Details of Operations in Sequer	ice & Remarks	
Siz	ze										Other																
IADC Code	de									Tim																	
Manufacture	er									Densit	·																
Тур										Viscosit																	
Serial N									F	luid Los	s																
Jet	ts			╢─┤						р	н																
				╢─┤				'	location o					SO	LIDS	CONTR	OL							_			
Depth Out (m				╢─┤		\vdash	_			Dept					uipment	Hours	Intake	Over Flo									
Depth In (m				╢─┤			_			PV					Name	Run	Density	Densit	y D)ensity				-			
Total Drilled (m	-			╢─┤			_		RCUL							-	1	-									
Hrs Run Toda Cumulative Hrs Ru				╢─┤		$\left \right $	_	Purr	р# Туре	Liner S	iize SPN	Pres	sure Hours Ru	n							<u> </u>						
Entry Dat				╢─┤			_		_	_	_	_		MU		TERIA		DED									
		THD	=		Drill Pipe	Stan	do				_	_	_			Product			mount	Type							
	met	Gage			Drill Pipe	Sing				-		-	_											+			
то		ODC		╢──╵	Kelly Down	I	00	Ror	narks:					┨——									<u> </u>	+			
	Reaso	on Pulled		1	Total	<u> </u>		1101	iai ko.																		
		ın (m/hr)		1	Weight of DC																						
BRG		,	·	1	Weight of String														ĺ		Remar	ks: RE	VIEW CO	P 2-1 B	A, 2-5 TRIP IN HOLE, 2-3 DP CONNECTIONS FRO	OM DERRICK,	
METRES DR	RILL	ED			LE CONDI		1														HID - FO	W LINE	PLUGGED L	JP DUE TO	PLUG RUBBER IN FLOW LINE- SHUT DOWN PUMPS AND	CLEAR FLOW LINE-RE!	SUME DRILLIN
From To [D-R-C	RPM	WOB		le Drag Up		Down	R	DUC	ED P	UMP	SPE	ED													-	
				Torqu	ue at Bottom			Pum	p No. Pr	essure	Strokes	/min	Depth	Boi	lor												
				1	on Bottom					@		@			ter #	Hours F	Run	рН	Stark	k Temp	SAF	ETY					
										@		@				nours i		pri	otaun	k tomp				5	afety Topic	MEHL	MACP
										@		@									Trip/BH/	A/Conn	ections				

TOUR 2 SIGNATURE		SYLVAIN ARSENAUL		START TIME	08:00 END TIME 20:00
BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	
Bit Number	No Component OD ID Length		Time Depth Deviation Direction Type	From To Elapsed Code	Details of Operations in Sequence & Remarks
Size		Other	16:00 1694.79m 10.8 340.8		
IADC Code		Time	16:45 1709.41m 12.2 342.5		
Manufacturer		Density	17:45 1724.04m 14 348.5		
Туре		Funnel Viscosity	19:00 1738.66m 17.9 344.9		
Serial No		Fluid Loss			
Jets		pH			
		Location of Sample	SOLIDS CONTROL		
Depth Out (m)		Depth	Equipment Hours Intake Over Flow Under Flow		
Depth In (m)		PVT	Name Run Density Density Density		
Total Drilled (m)		CIRCULATION			
Hrs Run Today		Pump# Type Liner Size SPM Pressure Hours Ru			
Cumulative Hrs Run					
Entry Date			MUD MATERIALS ADDED		
CUTTING STRUCTURE	Drill Pipe Stands		Product Amount Type		
TI Gage	Drill Pipe Singles				
TO ODC	Kelly Down	Remarks:			
MDC Reason Pulled	Total				
LOC Total Run (m/hr)	Weight of DC				
BRG	Weight of String			Remarks:	
METRES DRILLED	HOLE CONDITION				
From To D-R-C RPM WOB	Hole Drag Up Down	REDUCED PUMP SPEED		1	
	Torque at Bottom	Pump No. Pressure Strokes/min Depth	Boiler		
	Fill on Bottom	@@	Boiler # Hours Run pH Stack Temp	SAFETY	
	J			Safety Topic	MEHL MACP
		@ @		STICK CONNECTION	64.00kdaN 3423kF

	(3	SIG	NAIUK	EU									JASC	ON GILE	S								51	ARI			24:00
BITS				D	RILLIN	IG AS	SEM	BLY	MUD	REC	OR	D			DE	VIATI	ON SU	RVEYS			TIN	IE LO	DG				
Bit	Number			No	Comp	ponent	OD I	D Lengt	1	М	lud Typ	e Water	r 🗌 (il 🗌	Time	Depth	Deviation	Direction		Гуре	From	n To	Elapsed	Code	Details of Operations	in Sequence & Remarks	.s
	Size											Other															-
IA	DC Code										Time				1												
Man	ufacturer									[Density				1—							1	1				
	Туре								F	unnel Vi	scosity				1							1					
	Serial No									Flui	id Loss				1—												
	Jets										pН																
									Loca	tion of S	Sample				SO		CONTR	OL				1	1				
Dept	n Out (m)										Depth					uipment	Hours	-	Over Flor	v Under Flo	//	1	1				
Dep	oth In (m)										PVT					Name	Run	Density				1					
Total D	rilled (m)								CIRC	ULA	TION																
Hrs R	un Today								Pump#	Туре	Liner Siz	e SPM	Pressur	e Hours Ru	in												
Cumulative	Hrs Run												1	1								1	1				
E	ntry Date														MU			LS ADI									
CUTTIN	G STF	NCTU	RE		Drill Pip	e	Stan	ds							1—		Produc	t	Ar	nount Type							
TI		Ga	ge		Drill Pip	ie	Singl	es							1⊢—					_	-						
TO		00	DC 0		Ke	elly Down			Remark	IS:					1⊢												
MDC	R	leason Pull	ed			Total																					
LOC	Tot	al Run (m/l	ır)		Weig	ght of DC																					
BRG					Weight	of String									1						Rem	arks: R	EVIEW CC	P 2-3 [OP CONNECTIONS FROM DERRICK		
METRE	S DRI	LLED		н	OLE C	ONDI	ΓΙΟΝ														HID -	WIRE V	/HELL ON	BENCH	GRINDER COMING APART-REMOVE AN	D DISCARD/PUT ON N	EW ONE-JH
From	To D-	R-C RPI	M WOB	ŀ	Hole Drag	Up		Down	RED	UCEI	D PU	IMP S	PEE	D													
				Tor	que at Botto	om			Pump N	o. Pres	sure	Strokes/r	nin (Depth	Boi	lor											
				L F	ill on Botto	m					@	¢	2			oiler #	Hours	Run	рН	Stack Temp	SA	FETY	7				
											@	6	2			51101 II				otaon tomp				1	Safety Topic	MEHL	MACP
											@	¢	2								Conne	ctions				77.00kdaN	3373kPa

			FROM		E SUM	IMAR)	r				heet Serial 9_20160509			/endor Softw ason	ware Ve	rsion		Year 2016	Month 05	09	1) Daily Walk Ar 2) Detailed Insp	ound Inspect	ion		GR MR	
License No		Well Name								Surface	e Location			P	rov I	Loc Type 🛛 I	Unique Wel	ll Id			 H2S Signs Po 	sted if Requi	red		GR MR	
31606		PARKLAND C5	-09-81-16W	/6						05-09-08	1-16W6			B	с с	DLS	103/14-08-	-081-16W6/	00		 Well Licence Flare Lines S 		am Posted		GR MR GR MR	
Operator							0	Contractor						Rig No	١	Well Type			R		6) BOP Drills Pe	formed				
ARC RESOU	JRCE	S					P	RECISION	DRILLING,	DIV OF PD	CLP			529	1	HORIZ					7) Visually Inspec	ted BOPs - F	are Lines & De	egasser Lines	GR MR	
Operator's A							0	Contractor's	Job No							Spud Date Ti					1) Rig Site Healt	h & Safetv N	leetina (one/c	rew/month)		– pason
16DRL0036							8	4								2016/05/04 23					2) CAODC Rig S	afety Inspect	ion Checklist	(one/rig/mor	nth)	
		rator Represer	ntative						f Contractor'	s Rig Mana	ager				1	Rig Release [Date Time				 Mast Inspecti Crown Saver 		ising or Lowe	ering	MR	Pason
Guy Rockaba	ar						N	ARC RAYN	MOND												5) Motor Kills Cl					
CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	Kelly Bushing 0p Fuel 5.98 2628. FUEL @ 08:00 H0
	Rig Ut	g Drill Actual	Description		Cond Mud		Ria	Repair	Cut Off	Dev	Wireline	Run Csa	Wait On	Meaning the	Test	D./II.dow	Disc	Squeeze		Die	Cofehu	Tear	Waiting	D' -		
	U	5 Actual	Reaming	Coring	& Circ	Trips	Service	Rig	Drilg Line	Survey	Logs	& Cement	Cement	BOP	Test BOP	Drillstem Test	Plug Back	Cement	Fishing	Dir Wor	K Meeting	Down	On	Rig Watch	Other	TOTAL 28307.00 Boiler
n Tour 1	U	6.25		Coring	& Circ	Irips	Service 0.25	Rig	Drilg Line	Survey	Logs	& Cement	Cement	BOP	BOP		Back		Fishing	Wor	Meeting .25 0.25	Down		Watch	Other	8.00 🛱 Time 05:00
Tour 1 Tour 2	Uļ		5	Coring	& Circ	Irips	Service	Rig	Drilg Line	Survey	Logs	& Cement	Cement	BOP	BOP		Back		Fishing	Wor 1	< Meeting	Down		Watch	Other	8.00 🛱 Time 05:00
Tour 1 Tour 2 Tour 3	U	6.25	5	Coring	& Circ 1.00	Trips	Service 0.25	Rig	Drilg Line	Survey	Logs	& Cement	Cement	BOP	BOP		Back		Fishing	1 2	<u>K Meeting</u> .25 0.25	Down		Watch	Other	Time Temp
Tour 1 Tour 2 Tour 3 Total		6.25			& Circ	Irips	Service 0.25 0.25	Rig	Drilg Line	Survey		& Cement	Cement	BOP	BOP		Back		Fishing	Wor 1 2 0	K Meeting .25 0.25 .50 0.25	Down		Watch	Other	8.00 12.00 Time Discolor Current Conditions CLEAR Wind Direction Wind Street

TOUR 1	S	GNA	TURE	OF	DRILLER							JASON GILES								SI	ART	TIME	00:	:00	END TI	ME	08:00
BITS				DR	RILLING AS	SEMI	BLY	MUD	REC	ORD	1		DEVIATIO					TIM	E LC	G							
Bit Number	r 4			No	Component	OD II) Length		Mu	ıd Type	Water	× 0il	Time Depth	Deviation	Direction	Т	уре	From	To	Elapsed	I Code		Details	of Opera	tions in Seque	nce & Remark	ŝ
Size	е		171	1	віт	171	0 0.23m				Other 📃		00:001811.79m	32	343			00:00	06:1	5 6.2	52	DRILL 171mm	HOLE FRC	OM 1809m	TO 1908M		
IADC Code				1	MOTOR	127	0 8.74m			Time	02:	00 04:30	01:15 1826.41m	34.9 38.1	344.6 344.5			06:15	07:3	0 1.2	520A	ACCUMULATE	D,DIRECT	IONAL SU	JRVEYS,WORK	K PIPE AND C	ONNECTIONS
Manufacturer	r HALIBI	JRTON		1	NEAR BIT INC SUB	132 4	12 1.36m			ensity	11	60 1150	02:15 1841.04m 04:00 1855.66m	38.1	344.5			07:30	07:4	5 0.2	57	RIG SERVICE	- INSPECT	/GREASE	TOP DRIVE &	DRAW WORK	(S, FUNCTION
Туре	e MM64E			1	NM SLICK MONEL	120 (9.32m	FL	unnel Vis		31	s/l 31s/	04.001855.00m	41	345.4							ANNULAR-20s	ec.T/C				
Serial No		1	2642936	1	GAP SUB	126 0	59 1.70m		Fluid	d Loss			06:151884.91m	44.7	341.7			07:45	08:0	0.2	521	CREW CHANG	E SAFETY	MEETING	/PLAN FORWA	RD W/RIG MAI	NAGER & ARC OSS
Jets	s 7.1	7.1 7	7.1 9.5	1	NM SLICK MONEL	120 (9.27m			pН			07:151899.54m	52.9	344.2												
	9.5	9.5		1	NM SLICK MONEL	117 (39 9.26m	Loca	tion of S	ample	SHAKER	S SHAKERS	SOLIDS (ONTR	OL												
Depth Out (m))			1	x/o	134 (61 0.94m			Depth			Equipment	Hours	Intake	Over Flow											
Depth In (m))		1540	1	5 x 4.5" HWDP	114	2 46.80m			PVT			Name	Run	Density	Density	Density										
Total Drilled (m))		368	1	x/o	134 (32 0.96m	CIRC	ULAT	ION			CENTRIFUGE	8	8 1150	114	5 230										
Hrs Run Today	/		6.25	1	JARS-HYD/MECH	133 \$	57 5.50m	Pump#	Type L	iner Size	SPM F	ressure Hours Ru	1	_													
Cumulative Hrs Run			19.75	1	x/0	134 (38 0.94m	15	SINGLE	140	105	10150 8															
Entry Date				$ \rightarrow $	32 x 4.5" HWDP	114	1 299.52m	28	SINGLE	114	0	10150 0	MUD MA		S ADD												
CUTTING ST	RUCI	URE		<u> </u>	Drill Pipe		s 1491.75m						REDUCTION	Product		Am	2 EACH										
ТІ		Gage		0	Drill Pipe	Single	s 0.00m						WALNUT				5 EACH										
TO		ODC			Kelly Down		22.00m	Remark	is:]					iL									
	Reason				Total		1908.29m											1									
	otal Run	m/hr)			Weight of DC		0kdaN]														
BRG					Weight of String		70kdaN]					Remar	ks: FL	INCTION	TRAVEL	STOPS/LIMITS	& CROWN	SAVER			
METRES DR				HC	DLE CONDI																						FLOOR EQUIPMEN
From To D)-R-C	RPM	WOB	Ho	le Drag Up	8 0	own 7				MP SP							INSPEC	т сно	KE LINES/	HCR'S/K	ILL LINES/ CHEC	K MANIFOL	D VALVE	ALIGNEMENT-F	UNCTION FLA	RE STACK IGNITER
1809m 1908m	DRILL	30	13kdaN	Torqu	ue at Bottom		6900.00Nm	Pump No			trokes/mii	n Depth	Boiler								GY/ MC	NKEYBOARD S	RL				
				Fill	on Bottom		0.00m		1 3050	-	60 @	1885	Boiler #	Hours R	un	рН	Stack Temp	SAF	ETY								
								<u>'</u>		@	@	_					- Tomp	1			5	Safety Topic				MEHL	MACP
										@	@							Connec	tions							82.00kdaN	3373kP

TOUR 2	GNATURE	OF DRILLER					SYLVAIN	ARSENAULT									ST	ART		08:0	00		20:00
BITS		DRILLING AS	SEMB	LY	MUD R	ECOR)				ON SUR				ТІМ	E LO	G						
Bit Number 4		No Component	OD ID	Length		Mud Type	e Water 🗵	0il	Time	Depth	Deviation	Direction	Т	уре	From	To	Elapsed	Code		Details (of Operatio	ons in Sequence & Remarks	
Size	171	1BIT	171 (0.23m			Other			1914.16m	55.1	344			08:00	17:00	9.00	12	DRILL 171MM	HOLE FROM	M 1908 TO	2047M	
IADC Code		1MOTOR	127 (8.74m		Time	11:0	0 19:30		1928.79m	57.7	342			17:00	19:30	2.50	20A	DIRECTIONAL	SURVEYS,	CONNECT	ION TIME	
Manufacturer HALIE	BURTON	1NEAR BIT INC SU	3 132 42	2 1.36m		Density	114	0 1140		1943.41m	62	340.8			19:30	19:45	0.25	57	RIG SERVICE	FCT UPPER	R PIPE RAM	A 4 SEC TO CLOSE	
Type MM64	Ð	1NM SLICK MONE	L 120 69	9.32m	Funne	el Viscosity				1958.04m 1972.66m	64.8 66.8	339.9 340.9			19:45	20:00	0.25	521	CREW CHANG	E MEETING	DISCUSE	FIRE BAND/SMOKING/BUR	NING GARBADGE
Serial No	12642936	1GAP SUB	126 69	1.70m		Fluid Loss				1972.66m 1987.29m	67	343.3			1								
Jets 7.1	7.1 7.1 9.5	1NM SLICK MONE	L 120 69	9.27m		pH				2001.91m	67.5	344.4			1								
9.5	9.5	1NM SLICK MONE	L 117 69	9.26m	Location	of Sample	SHAKERS	SHAKERS	SOL	IDS (CONTR	OL											
Depth Out (m)		1X/O	134 61	0.94m		Depth	1945r	n	Equ	ipment	Hours	Intake	Over Flow	Under Flow									
Depth In (m)	1540	15 x 4.5" HWDP	114 72	46.80m		PVT	42m	3	Ň	lame	Run	Density	Density	Density									
Total Drilled (m)	507	1X/O	134 62	0.96m	CIRCUL	ATION			CENTR	RIFUGE	12	1145	114	0 200									
Hrs Run Today	9.00	1JARS-HYD/MECH	1 133 57	5.50m	Pump# Typ	e Liner Siz	e SPM Pr	essure Hours Rur															
Cumulative Hrs Run	28.75	1X/O	134 68	0.94m	1SING	iLE 140	0	11000 0															
Entry Date 2016/		132 x 4.5" HWDP	114 71		2SING	iLE 114	1 105	11000 12	MU	D MA	TERIAL	S ADD											
CUTTING STRUC	TURE	56 Drill Pipe	Stands	1638.00m					REDUC		Product		Am	2 EACH									
П	Gage	1 Drill Pipe	Singles	9.75m										2 EACH 1 EACH									
то	ODC	Kelly Down	n	4.71m	Remarks:				BARITE					42 EACH	-11								
MDC Reason		Tota	1	2047.00m											1								
LOC Total Rur	ı (m/hr)	Weight of D		0kdaN]														
BRG		Weight of String	g	71kdaN]						Remar	ks: FU	NCTION T	RAVEL	STOPS/LIMITS	& CROWN	SAVER		
METRES DRILLE		HOLE COND							—						INSPEC	T TOP D	RIVE/ ELEV	ATORS/	BALES/ ALL OVE	RHEAD EQUP	PIMENT-INSI	PECT NOV ST-80 & ALL DRILL	FLOOR EQUIPMENT
From To D-R-C	RPM WOB	Hole Drag Up	13 Do	WN 11	REDUC										INSPEC	T CHOK	E LINES/H	ICR'S/K	LL LINES/ CHEC	K MANIFOLD	D VALVE AL	IGNEMENT-FUNCTION FLAF	RE STACK IGNITER
1908m 2047m DRILL	30 14kdaN	Torque at Bottom		9150.00Nm	Pump No. P			Depth	Boil	er			!				APE BUG	GY/ MO	NKEYBOARD S	SRL			
		Fill on Bottom		0.00m	1 30	000 @	60 @	2002		iler #	Hours R	un	рН	Stack Temp	SAF	ETY							
						@	@											5	Safety Topic			MEHL	MACP
						@	@								STAPPI	NG CAS	SING					81.00kdaN	3472kPa

TOUR 3	SIGNA	TURE	OF DRILLER							JASON GILE	s								ST	ART		20	0:00		24:00
BITS			DRILLING AS	SEMB	LY	MUD	REC	ORD					ON SUR				TIM	E LO	G						
Bit Number 4	4		No Component	OD ID	Length		Mu	d Type	Water	0il 🗴	Time	e Depth	Deviation	Direction		Туре	From	To	Elapsed	I Code		Detail	ls of Operat	ions in Sequence & Ren	narks
Size		171	1BIT	171 (0.23m			(Other 🗌								20:00	21:15	1.2	52	DRILL 171mm	HOLE FR	OM 2047m	TO 2061m	
IADC Code			1MOTOR	127 () 8.74m			Time									21:15	5 22:15	1.0	05B	DISPLACE TO	OIL BASE	@ 2061m		
Manufacturer H	HALIBURTON		1NEAR BIT INC SU	B 132 42	1.36m		De	ensity									22:15	5 23:15	1.0	02	DRILL 171mm	HOLE FR	OM 2061m	TO 2071m	
Туре	MM64D		1NM SLICK MONE	L 120 6	9.32m	Fu	unnel Viso	cosity									23:15	5 23:45	0.5	020A	ACCUMULATE	ED,DIREC	TIONAL SU	RVEYS,WORK PIPE AN	D CONNECTIONS
Serial No		12642936	1GAP SUB	126 69	1.70m		Fluid	Loss									23:45	5 24:00	0.2	57	RIG SERVICE -	INSPECT/G	GREASE TOP	DRIVE & DRAW WORKS,	FUNCTION LOWER PIP
Jets	7.1 7.1	7.1 9.5	1NM SLICK MONE	L 120 69	9.27m			pН													RAMS-5sec.T/	C			
	9.5 9.5		1NM SLICK MONE	L 117 6	9.26m	Locat	tion of Sa	mple			SO	LIDS	CONTR	OL											
Depth Out (m)			1X/O	134 6	0.94m		[Depth				quipment	Hours	Intake	Over Flov										
Depth In (m)		1540	15 x 4.5" HWDP	114 73	46.80m			PVT				Name	Run	Density	Density	Density									
Total Drilled (m)		531		134 6	2 0.96m	CIRC	ULAT	ION																	
Hrs Run Today		2.25	DARO-ITTD/MEO		5.50m	Pump#	Type Li	ner Size	SPM	Pressure Hours Ru	JN		-				-								
Cumulative Hrs Run		31.00	1X/O	134 6	0.94m	15	INGLE	140	105	13965	4														
Entry Date 2			132 x 4.5" HWDP	114 7	299.52m	25	INGLE	114	0	13965	o MU	JD MA	Product			Ture									
CUTTING STR	UCTURE		57 Drill Pipe	Stands	1667.25m								Product		An	nount Type									
П	Gage		1 Drill Pipe	Singles	9.75m												╢───								
TO	ODC		Kelly Down	۱ <u> </u>	-0.54m	Remarks	S:																		
	eason Pulled		Tota		2071.00m																				
	al Run (m/hr)		Weight of D		0kdaN												-								
BRG			Weight of String		71kdaN												Remar	rks: FU	NCTION	TRAVEL	STOPS/LIMITS	6 & CROW	N SAVER		
METRES DRIL			HOLE COND													_	INSPEC	T TOP D	RIVE/ ELE	VATORS/	BALES/ ALL OVE	RHEAD EQ	UPIMENT-IN	SPECT NOV ST-80 & ALL D	RILL FLOOR EQUIPMEN
From To D-R	-	WOB	Hole Drag Up	6 Do	wn 5					PEED													LD VALVE	ALIGNEMENT-FUNCTION	FLARE STACK IGNITE
2047m 2071m DF	RILL 30	14kdaN	Torque at Bottom		6500.00Nm	Pump No					Boi	iler							APE BUG	GY/MO	NKEYBOARD S	SRL			
			Fill on Bottom		0.00m			-	60 @			oiler #	Hours R	lun	рH	Stack Temp	SAF	ETY							
						·		@	@											5	Safety Topic			MEHL	MACP
								@	@								Connec	tions,Dis	splace,Flu	uid Trans	fer			85.00k	daN 3324ki

			FRO	NT PAC	àe sum	IMARY	1				heet Serial 9_2016050			/endor Soft ason	ware Ve	ersion		Year 2016	Month 05	00	DAILY C 1) Daily Walk Ar 2) Detailed Insp	ound Inspect	tion	neck List)	OP R		ŀ	
License No	1	Well Name								Surfac	e Location			F	Prov I	Loc Type	Unique W	ell Id			3) H2S Signs Pa	sted if Requ	ired			_ ((CAQI	JC
31606	P	ARKLAND C5	-09-81-16V	V6						05-09-0	81-16W6			B	IC E	DLS	103/14-0	8-081-16W6	5/00		 Well Licence Flare Lines S 		ram Posted					
Operator							0	Contractor						Rig No	١	Well Type			F	e-Entry	6) BOP Drills Pe	rformed				-		
ARC RESOL	URCES	6					F	RECISION	DRILLING,	DIV OF PI	DCLP			529		HORIZ					7) Visually Inspec	ted BOPs - F	lare Lines & D)egasser Lines				
Operator's / 16DRL0036							0	Contractor's 84	s Job No							Spud Date T 2016/05/04 2					1) Rig Site Healt 2) CAODC Rig S	afety Inspect	tion Checklis	t (one/rig/mo		P	aso	
Signature o Guy Rockab		ator Represen	ntative					Signature o MARC RAY	f Contractor MOND	's Rig Man	ager				I	Rig Release	Date Time	9			3) Mast Inspecti 4) Crown Saver 5) Motor Kills Cl	Checked	aising or Low	rering	E	_	Pason	
CODE	4	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		Kelly Bushing	Op Fuel
CODE .			. <u> </u>				-																				FUEL @ 08:	DO HOURS
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drila Line	Dev Survev	Wireline Loas	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillsten Test	n Plug Back	Squeeze	Fishin	g Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL	Rig	Boiler
n Tour 1		6.25	5				0.25													1	25 0.25			1		8.00	C Time	Temp
Tour 2		9.00					0.25													2	50 0.25				1	12.00	Current Conditions	· ·
Tour 3		2.25	5		1.00		0.25													0	50					4.00	Wind Direction	Wind Strength
Total		17.50		1	1.00		0.75													4	25 0.50		1	1		24.00	Road Condition	
																		· ·						·				

TOUR 1		SIGN/	TURE	E OF	DRILLER							JAS	ON GILE	s									ST	ART	FIME 00:00 EN		08:00
BITS				DR	ILLING AS	SEM	BLY	MU) RE(CORI	D			DE\	VIATI	ON SUI	RVEYS				тім	ELO	G				
Bit Numbe	er			No	Component	OD II) Length		Ν	lud Typ	e Wate	er 🗌	0il 🗌	Time	Depth	Deviation	Direction		Туре		From	To	Elapsed	Code	Details of Operations i	n Sequence & Remarks	1
Size	e										Other [
IADC Code	e									Time																	
Manufacture	er									Density																	
Туре									Funnel V																		
Serial No	0								Flu	id Loss																	
Jet	s									рH																	
								Loc	ation of					SOL	LIDS	CONTR	OL										
Depth Out (m								4		Depth					uipment	Hours		Over I		Jnder Flow							
Depth In (m										PVT				1	Name	Run	Density	Dens	sity	Density							
Total Drilled (m	· —						_	_	ULA																		
Hrs Run Today	· —			╟─┤				Pump#	Туре	Liner Siz	e SPM	Pressu	ure Hours Ru	n				+									
Cumulative Hrs Run				╟─┤			_									TEDIA	LS ADI										
Entry Date			_												UMA	Product			Amour	t Type							
CUTTING ST	RUQ				Drill Pipe	Stand										TTOUUC			Amoun	it type		<u> </u>					
П		Gage			Drill Pipe	Single	S																				
TO		ODC		1	Kelly Down			Remar	ks:													<u> </u>		-			
		on Pulled		1	Total																<u> </u>						
LOC TO BBG	otai ri	ın (m/hr)			Weight of DC									.							Design						
METRES DR					Weight of String									┛┝────							-				CONNECTIONS FROM DERRICK,		
	D-R-C		WOB		LE CONDI	_					MP S		.							1 1					TOPICS - 1.5.1 BEAR SAFETY, FIRE DR		
From To E	D-H-C	RPIM	WOB	11	le Drag Up		own				Strokes/		Depth												IRE DRILL, EMERGENCY EVACUATION	, .	
				11	e at Bottom				IU. Pres	sure @		min @	Depth	Boi	ler						SAF		EASE EN	IKENCE	SIGN WAS BLOWN OVER H2S SIGN WA	S FLIPPED OVER	
				Fill	on Bottom					@	_	@		Bo	oiler #	Hours F	Run	pН	Sta	ack Temp	SAF	EIY		0	fety Topic	MEHL	MACP
				1				-	-	@	_	@		╢——					_		Connec	tiono		3	пету торіс	82.00kdaN	3373kPa
				J				L		S.	,	8				I					Connec	tions				82.00kdain	3373KP2

TOUR 2	SI	GNA	TURE	OF	DRILLER	-						SYL	/AIN AR	SENAUL	T							S1	ART		08:00	E	ND TIM	IE	20:00
BITS				DR	ILLING A	SSEN	/BL	Y	MUD	RE	CORE)			DEVIATIO					TIN	E L	DG							
Bit Number				No	Component	OD	ID	Length		Ν	Aud Type	e Wate	er 🗌	Dil 🗌	Time Depth I	Deviation	Direction		Гуре	From	To	Elapsed	I Code		Details of	Operation	s in Sequen	ce & Remark	s
Size							Í					Other [17:00 2016.54m	67.2	344.2				1			1					
IADC Code											Time				18:15 2031.16m	67.7	343.6				1			1					
Manufacturer											Density				19:45 2045.79m	67	343.2				1			1					
Туре									F	[:] unnel V	iscosity				╢──┼──┼						1			1					
Serial No										Flu	uid Loss				$1 \rightarrow + - +$									1					
Jets											pН				1 + +									1					
									Loca	ation of	Sample				SOLIDS C	ONTR	OL				1			1					
Depth Out (m)											Depth				Equipment	Hours	Intake	Over Flor	v Under Flo	W.									
Depth In (m)											PVT				Name	Run	Density	Density	Density		1			1					
Total Drilled (m)									CIRC	ULA	TION													1					
Hrs Run Today									Pump#	Туре	Liner Siz	SPM	Pressu	e Hours Ru	n									1					
Cumulative Hrs Run															1						1			1					
Entry Date															MUD MAT						1			1					
UTTING STRU	JCT	URE			Drill Pipe	Sta	nds				1	1		1	1	Product	t	Ar	nount Typ	e									
TI	(Gage			Drill Pipe	Sing	jles					1			1														
TO		ODC			Kelly Dow	'n			Remark	KS:				_	1						1			1					
ADC Rea	ason P	Pulled]	Tot	al		l l							1														
LOC Total	Run (r	m/hr)]	Weight of D	c									1														
BRG]	Weight of Strin	ig 🗌									1					Rema	rks:								
IETRES DRIL	LED)		HO	LE COND	ITIO	N								<u>ا</u>														
From To D-R-	-C F	RPM	WOB	Hol	e Drag Up [Down		RED	UCE	D PU	MP :	SPEE	D															
				Torque	e at Bottom				Pump N	o. Pre	ssure S	Strokes	/min	Depth	Boiler														
				Fill	on Bottom						@		@		Boiler #	Hours P	Run	рН	Stack Tem	SA	ETY	1							
											@		@		Doilei #	1100131	un	pri	Otdok Telli				S	afety Topic			N	NEHL	MACP
				1							@		@							STAPP	ING C	ASING						81.00kdaN	34

TOUR 3 SIGNA	ATURE	E OF	DRILLER							JAS	ON GILE	s								ST	ART	TIME 20:00 EN		24:00
BITS		DR	ILLING AS	SEME	ily	MU	D RE(CORD)					ON SUF				TIM	E LO	DG			·	
Bit Number		No	Component	OD ID	Length		Ν	lud Type	Water	r 🗌 🛛	Dil 🗌	Time	Depth	Deviation	Direction	1	уре	From	To	Elapsed	Code	Details of Operations in	n Sequence & Remarks	
Size						11			Other 🗌			11												
IADC Code								Time				1—									1			
Manufacturer					1	71		Density				1						-			1			
Туре					1	1 1	Funnel V	iscosity				1						-			1			
Serial No						1	Flu	iid Loss				1—									1			
Jets					1	71		pН				╟──						-						
						Loc	ation of	Sample				SO		CONTR	OL				1		1			
Depth Out (m)					1	1		Depth				Ea	uipment	Hours	Intake	Over Flow	Under Flow							
Depth In (m)								PVT					Name	Run	Density	Density	Density		1					
Total Drilled (m)						CIRC	CULA	TION																
Hrs Run Today						Pump#	Туре	Liner Size	SPM	Pressu	'ê Hours Ru	n		-										
Cumulative Hrs Run																								
Entry Date							1		1	1	1	MU	D MA	TERIA										
CUTTING STRUCTURE	=		Drill Pipe	Stands								1—		Product		Am	iount Type	-						
TI Gage			Drill Pipe	Singles																				
TOODC		1	Kelly Down			Remar	'ks:											1						
MDC Reason Pulled		1	Total																					
LOC Total Run (m/hr)		1	Weight of DC																					
BRG			Weight of String]—										CONNECTIONS FROM DERRICK, FLUID T		ELL TO OIL BASE
METRES DRILLED		HO	LE CONDI	TION																		S WERE WORE OUT CAUSING CHAIN TO		
From To D-R-C RPM	WOB	Hol	e Drag 🛛 Up 🗌	Do	wn			D PU										OBSER\ SIGN IN	ATION-	OBSERVED	WORKER	COMMUNICATE WITH HOE HAND PRIOR TO WO	RKING BETWEEN SHALE	& MUD TANK-"NO GO
		Torqu	e at Bottom			Pump N	lo. Pres	ssure S		_	Depth	Boi	iler											
		Fill	on Bottom					@	(-			oiler #	Hours F	Run	рH	Stack Temp	SAF	ETY					
	I					-		@	(_											S	afety Topic	MEHL	MACP
								@	C	2								Connec	tions,D	isplace,Flu	id Trans	fer	85.00kdaN	3324kF

		MUD S	AMPLE -	ADDITIO	NAL DAT	Ά			Sheet Serial 29_20160509		Vendor S Pason	oftware V	ersion	Ye 2	ar N 016	Month Day 05 09		
License No	o Well Nam	e					SI	urface Location			1 40011	Prov	Loc Type	Unique Wel		00 00		
31606		⊂ D C5-09-81-16	W6					-09-081-16W6				BC		103/14-08-08		00		
Operator		00 00 01 10				Contracto						Rig No	Well Type	100/11/00/00	1 10110/	Re-Entr		
ARC RESO	IDCES						I DRILLING, DI					529	HORIZ				y	
Operator's						Contracto						529	Spud Date	Timo				
16DRL0036							5 300 110						Spuu Dale		4 00:00		pas	son
	of Operator Rep	racantativa				84 Signatura	of Contractor	's Rig Manage					Dig Delege	2016/05/04 e Date Time	4 23:00			
		resentative						s niy ivianaye	1				niy neleasi	e Date Time				
Guy Rockab	bar					MARC RAY	MOND					1					F	Pason
του	R 1		MUD TY	PE BRINE					WATER	x O	IL	ОТНЕ	R		_			
	Time	02:00	04:30	07:00														
	Density	1160kg/m3	1150kg/m3	1140kg/m3														
F	unnel Viscosity	31s/l	31s/	31s/l														
	Fluid Loss																	
	Fluid pH																	
Loca	ation of Sample	SHAKERS	SHAKERS	SHAKERS														
	Depth			1893m	1													
	PVT			52m3														
	Type																	
Test 1	(Ex: Chlorides) Value																	
-	Туре																	
Test 2	(ex: Sand%)																	
-	Value Type																	
Test 3	(ex: Hard Ca)																	
	Value																	
Test 4	Type (ex: Sulfides)											_						
	Value																	
MUD SAN	IPLE REMAR	(S																

		MUD S	AMPLE -	ADDITIC	NAL DAT	Ά			Sheet Serial 29_20160509		Vendor S Pason	oftware V	ersion	Year 2016	Month Day 05 09	CA	DC
License No	o Well Nam	9					Su	Inface Location		_17	1 43011	Prov		Unique Well Id	03 09		
31606		C D C5-09-81-16	We					09-081-16W6				BC		103/14-08-081-16W	/6/00		
Operator	TANKLAN	5 05-03-01-10	***			Contractor		05 001 10000				Rig No	Well Type	100/14/00/001 100	Re-Entry		
ARC RESOL							DRILLING, DI										
								V OF PDCLP				529	HORIZ	Time			
Operator's						Contractor	S JON DOL						Spud Date		_	pas	on)
16DRL0036						84 Oiseratura	. (O	- Dia Marana					Dia Dalara	2016/05/04 23:0	0		
	of Operator Rep	resentative						s Rig Manage	r				Rig Release	e Date Time			
Guy Rockab	ar					MARC RAYI	MOND									Pa	ison
τουι	R 2		MUD TY	PE BRINE					WATER	x OI	L	OTHE	R				
	Time	11:00	19:30														
	Density	1140kg/m3	1140kg/m3														
F	unnel Viscosity																
	Fluid Loss																
	Fluid pH																
Loca	ation of Sample	SHAKERS	SHAKERS														
	Depth	1945m															
	PVT	42m3															
	Туре																
Test 1	(Ex: Chlorides) Value																
	Туре																
Test 2	(ex: Sand%)																
-	Value Type																
Test 3	(ex: Hard Ca)																
-	Value																
Test 4	Type (ex: Sulfides)																
	Value																
MUD SAN	IPLE REMAR	(S															

			FRO		GE SUM	MARY	7				eet Serial			/endor Soft	vare Ve	rsion					DAILY C 1) Daily Walk Ar				GR MR	
											_20160510	J_1A	P	ason				2016	05		 Detailed Insp 					
License No	V	Nell Name								Surface	Location			P	rov	Loc Type	Unique We	ll Id			3) H2S Signs Po				GR MR	
31606	PA	ARKLAND C	5-09-81-16V	V6						05-09-081	I-16W6			B	C [DLS	103/14-08	-081-16W6/	00		 Well Licence Flare Lines S 		ram Posted		GR MR GR MR	
Operator							C	Contractor						Rig No		Well Type			Re		 Fiare Lilles S BOP Drills Pe 				GR MR	
ARC RESO	URCES	5					P	RECISION	DRILLING,	DIV OF PD	CLP			529		HORIZ					7) Visually Inspec		Flare Lines & D	egasser Lines	GR MR	
Operator's	AFE						C	Contractor's	s Job No						;	Spud Date T	ime			_	1) Rig Site Healt	th & Cofoty I	Apoting (one)	now/month)		– pason 】
16DRL0036							8	4							2	2016/05/04 2	3:00				2) CAODC Rig S					
Signature of	of Opera	ator Represe	ntative				s	Signature o	f Contractor	s Rig Mana	aer					Rig Release	Date Time				3) Mast Inspecti		aising or Lowe	ering		
Guy Rockat							N	ARC RAY	MOND	5	0					5					 Crown Saver Motor Kills Cl 				MR.	Pason
CODE		•	3	4	5	6	-	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	Kelly Bushing Op Fuel 5.98 2856.00
										10		14	13					10	19	20	21	~~		~ ~	20	
	-	2	ి		-		-																			
	Rig Up	Drill	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drila Line	Dev Survev	Wireline Loas	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillsten Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL Big 25452.00 Boller 0.00
	Rig Up		Reaming	Coring	Cond Mud		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	Drillsten Test	N Plug Back	Squeeze Cement	Fishing	Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL Rig 25452.00 Boiler 0.00
	Rig Up	Drill Actual	Reaming 0	Coring	Cond Mud		Service 0.25	Repair Rig	Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillsten Test	Plug Back	Squeeze Cement	Fishing	Work 1	Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL Rig 25452.00 Boiler 0.00
	Up	Drill Actual 6.0	Reaming 0	Coring	Cond Mud	Trips	Service 0.25	Repair Rig	Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg <u>& Cement</u>	Wait On Cement	Nipple Up BOP	Test BOP	Drillsten Test	I Plug Back	Squeeze Cement	Fishing	Work 1	Meeting 50 0.25	Tear Down	Waiting On	Rig Watch	Other	Reg 25452.00 Beher 0.00 8.00 1000 1000 6.00 0.00 12.00 CLEAR CLEAR 0.00 1000 4.00 M0 Direction Wind Steegth 0.00 1000 </td
Sanding Tour 1 Tour 2 Tour 3 Total	Up 1.	Drill Actual 6.0 2.5	Reaming 0 0 5	Coring	Cond Mud	Trips	Service 0.25 0.75 0.25	Repair Rig	Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg <u>& Cement</u>	Wait On Cement	Nipple Up BOP	Test BOP	Drillsten Test	I Plug Back	Squeeze Cement	Fishing	Work 1. 3.	Meeting 50 0.25	Down	Waiting On	Rig Watch	Other	TOTAL Rig Boiler 0.00 8.00 Time 05:00 6.00 12.00 ELEAR Durrent Conditions
Sunday Tour 1 Tour 2 Tour 3	Up 1.	Drill Actual 6.0 2.5 .00 2.7	Reaming 0 0 5	Coring	Cond Mud	Trips 5.00	Service 0.25 0.75 0.25	Repair Rig	Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillsten Test	Plug Back	Squeeze Cement	Fishing	Work 1. 3.	Meeting 50 0.25 25 0.50	Down	Waiting On	Rig Watch	Other	TOTAL Rg 25.452.00 Bilder 0.00 8.00 1000 1000 6.00 0.00 6.00 12.00 CLEAR Wind Direction Wind Strength 9.00 1000

TOUR 1	SIGN/	ATURE	OF	DRILLER						J	ASON GILES	ļ									ST	ART			08:00
BITS			DR	LLING AS	SEM	BLY	MUD	REC	ORD					ON SUR					TIME	E LO	G				
Bit Number	4		No	Component	OD I	D Lengt	h	M	ud Type	Water	0il 🗴	Time	Depth	Deviation	Direction		Туре		From	To	Elapsed	Code	Details of Operations	in Sequence & Remarks	;
Size		171	1B	IT	171	0 0.2	3m		C)ther 📃		<u> </u>	2075.04m	70.3	336.6				00:00	06:00	6.0	12	DRILL 171mm HOLE FROM 2071m TO	2119m	
IADC Code			1 M	IOTOR	127	0 8.7	۱m		Time	01:30	03:45		2089.66m	71.7	331.6				06:00	07:30	1.50	20A	ACCUMULATED, DIRECTIONAL SURVE	YS,WORK PIPE AND CO	ONNECTIONS
Manufacturer	HALIBURTON	N	1 N	EAR BIT INC SUB	132	42 1.3	ŝm	D	ensity	1200	1220	05:00	2105.06m	73.1	330.1				07:30	07:45	0.2	57	RIG SERVICE - INSPECT/GREASE TOP	DRIVE & DRAW WORK	S, FUNCTION
Туре	MM64D		1 N	M SLICK MONEL	120	69 9.3	2m F	unnel Vis	···· • L]──											ANNULAR-20sec.T/C		
Serial No		12642936	1 G	AP SUB	126	69 1.7)m	Flui	d Loss										07:45	08:00	0.2	521	CREW CHANGE SAFETY MEETING/PLAN FOR COP	WARD W/RIG MANAGER &	ARC OSS REVIEW
Jets	7.1 7.1	7.1 9.5	1 N	M SLICK MONEL	120	69 9.2	7m		pН														2-4 PRIOR TO TRIPPING OUT		
	9.5 9.5		1 N	M SLICK MONEL	117	69 9.2	im Loca	tion of S	ample	SHAKERS	SHAKERS	SOL	IDS (CONTR	OL										
Depth Out (m)		2117	1 X	/O	134	61 0.9	۱m		Depth			Equ	ipment	Hours	Intake	Over Flo		der Flow							
Depth In (m)		1540	15	x 4.5" HWDP	114	72 46.8)m		PVT			í (lame	Run	Density	Densit	ty C	Density							
Total Drilled (m)		577	1 X	/O	134	62 0.9	m CIRC	ULAT	ION			0		C) (0	0	0							
Hrs Run Today		6.00	1 J.	ARS-HYD/MECH	133	57 5.5)m Pump#	Type I	iner Size	SPM Pre	ssure Hours Rur			_											
Cumulative Hrs Run		37.00	1 X	/0	134	68 0.9	1m 1	SINGLE	114	105 1	3965 8														
	2016/05/08			2 x 4.5" HWDP	114	71 299.5	2m 2	SINGLE	114	0 1	3965 0	MU	D MA	TERIAL											
CUTTING STR	RUCTUR	=		Drill Pipe		is 1725.7	ŝm					BARIT	-	Product		A	Amount 210								
TI 3	Gage	0	0	Drill Pipe	Single	es 0.0)m					OPTI-0					210	EACH							
T0 2	ODC			Kelly Down		-3.0	m Remark	is:				OPTIV					1	EACH							
	Reason Pulled			Total		2117.2)m					LIME					10	EACH							
	tal Run (m/hr)	15.59		Weight of DC		0kd	aN																		
BRG X				Weight of String		71kd	aN]							Remark	(S: FUN	ICTION 1	RAVEL	STOPS/LIMITS & CROWN SAVER		
METRES DR			HO	LE CONDI	TION							<u> </u>							INSPECT	TOP DR	IVE/ ELEV	ATORS	BALES/ ALL OVERHEAD EQUPIMENT-INSPE	CT NOV ST-80 & ALL DRILL	FLOOR EQUIPMENT
From To D-	-R-C RPM	WOB	Hole	e Drag 🛛 Up 📃	Z [Down 7				MP SPE													ILL LINES/ CHECK MANIFOLD VALVE ALIG	NEMENT-FUNCTION FLAI	RE STACK IGNITER
2071m 2119m E	DRILL 30	0 14kdaN	Torque	at Bottom		6500.00	Im Pump No					Boi	er								PE BUG	GY/ MC	NKEYBOARD SRL		
			Fill o	n Bottom		0.0)m	1 5275		60 @	2090		iler #	Hours R	un	рН	Stac	k Temp	SAF	ETY					
									@	@													Safety Topic	MEHL	MACP
									@	@									Connecti	ions/Trip)			85.00kdaN	3078kPa

SYLVAIN ARSENAULT		START TIME 08:00 END TIME 20:00
	DEVIATION SURVEYS	TIME LOG
Mud Type 🛛 Water 🗌 Oil 🗴	Time Depth Deviation Direction Type	From To Elapsed Code Details of Operations in Sequence & Remarks
Other	16:30 2119.68m 74.2 328	08:00 11:00 3.00 B TRIP OUT OF HOLE REV COP 2-4 FLOW CHECK 10 MIN @
Time 08:00 18:00	17:45 2134.31m 77.7 325.9	2089M,2072M1087M,515M@TOOLS@0M,FCT BLIND RAM @ OM TRIP CALC WAS 8.54M
Density 1230 1250	19:00 2148.93m 80.6 324.5	ACTUAL WAS,9.64M3 DIFF WAS1.10M3
/iscosity		11:00 11:15 0.2521 SAFETY MEETING WITH DD ON HANDLE BHA,COP 2-1 REVIEW
uid Loss		11:15 13:45 2.50 20 DIRECTIONAL WORK LAY OUT BHA PICK UP NEW ONE
pH		13:45 14:00 0.25 21 SAFETY MEETING ON TRIP BACK IN HOLE REVIEW COP 2-5
Sample SHAKERS SHAKERS	SOLIDS CONTROL	14:00 16:00 2.00 6A TRIP IN HOLE TO CASING SHOE SLIP LINE FULL BLOCK CALIBRATION/FILL PIPE FLO
Depth 2117m 2135m	Equipment Hours Intake Over Flow Un	CHECK 10 MIN @498M, @1055M BREAK CIRC AND WASH DOWN LAST STAND,
PVT 41m3 49m3		Insity 16:00 16:45 0.757 RIG SERVICE FCT UPPER PIPE RAM 4 SEC TO CLOSE GREASE TOP DRIVE
TION	CENTRIFUGE 0 0 0	0 16:45 19:15 2.502 DRILL 159MM HOLE FROM 2117M TO 2164m
Liner Size SPM Pressure Hours Run		19:15 20:00 0.75 20A ACCUMULATED, DIRECTIONAL SURVEYS, WORK PIPE AND CONNECTIONS
114 78 14975 4		
114 78 14975 4	MUD MATERIALS ADDED	
	Product Amount	Type
	OPTI-ONE 4 OPTIWET 1	EACH EACH
	BARITE 42	EACH
	LIME 5	EACH
	CALCIUM CHLORIDE 10	EACH
		Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER
		INSPECT TOP DRIVE/ ELEVATORS/ BALES/ ALL OVERHEAD EQUPIMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMEN
D PUMP SPEED		INSPECT CHOKE LINES/HCR'S/KILL LINES/ CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IGNITE
ssure Strokes/min Depth	Boiler	INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL
5 @ 78 @ 2150		SAFETY
5 @ 78 @ 2150	bolici m mours hall pit Stabl	Safety Topic MEHL MACP
@ @		TRIPPING OUT 87.00kdaN 3029kF
5	@ 78 @ 2150 @ 78 @ 2150	@ 78 @ 2150 Boiler # Hours Run pH Stack @ 78 @ 2150 </td

του	R 3		SIGN	ATURE	E OF	DRILLER						JA	SON GILE									SI	ART	TIME 20:00 EN		24:00
BITS					DF	RILLING AS	SEMB	LY	MUD	RECO	RD						RVEYS			TIM	IE LO	G				
E	Bit Num	ber 5			No	Component	OD ID	Length		Mud 1	Type W	/ater 🗌	0il 🗴	Time	Depth	Deviation	Direction	T	уре	From	To	Elapsed	I Code	Details of Operations i	n Sequence & Remarks	
	S	Size		159	9 1	віт	171 0	0.23m			Othe	er		20:00	2163.56m	80.9	320.4			20:0	0 22:4	5 2.7	52	DRILL 171mm HOLE FROM 2164m TO 2	255m	
	IADC Co	ode			1	MOTOR	127 (9.04m		Ti	me	22:00	23:45		2178.18m	79.1	317.8			22:4	5 23:4	5 1.0	01	ACCUMULATED, DIRECTIONAL SURVEY	S,WORK PIPE AND CO	NNECTIONS
Ma	nufactu	irer REE	D		1	SLIDE REAMER	152 1	1.43m		Dens		1250	1250		2192.81m	78.9				23:4	5 24:0	0.2	57	RIG SERVICE - INSPECT/GREASE TOP DRIV	E & DRAW WORKS, FUNC	TION LOWER PIPE
	T	ype SK4	13M-A1G		1	NM SLICK MONEL	120 69	9.32m	Fu	nnel Viscos	sity	55s/l	55s/		2207.43m	79.6	312.9 310.7							RAMS-5sec.T/C		
	Serial	No		E201897	7 1	GAP SUB	126 69	1.71m		Fluid Lo	DSS				2222.06m	82 1										
	J	lets 9.	5 9.5	9.5 9.5	5 1	NM SLICK MONEL	120 69	9.27m			pH			23.00	/ 22.30.0011	02.3	303.0									
					1	NM SLICK MONEL	117 69	9.26m	Locat	ion of Sam	ple SH	IAKERS	SHAKERS	SO	LIDS	CONTR	OL									
Dep	oth Out	(m)			1	x/o	134 61	0.94m		De	pth			Ea	uipment	Hours	Intake	Over Flow	Under Flov	N						
D	epth In	(m)		2117	1	5 SINGLES OF DF	114 97	48.75m		F	PVT				Name	Run	Density	Density	Density							
Total	Drilled	(m)		138	3 1	x/o	134 62	0.96m	CIRC	ULATIO	DN			CENT	RIFUGE		2 1250	115	18	00						
Hrs	Run To	day		2.75	5 1	JARS-HYD/MECH	133 57	5.50m	Pump#	Type Line	r Size SI	PM Pres	sure Hours Rur													
Cumulati	ve Hrs F	Run		5.25	5 1	x/o	134 68	0.94m	160	OMBIN-	114	78 14	727 4								1	1				
	Entry D	ate 2016	/05/10		1	167 SINGLES OF	114 97	1628.25m	20	OMBIN-	114	78 14	727 4	MU	D MA		LS ADD				1	1	1			
CUTTI	NG S	TRU	CTUR	=	6	Drill Pipe	Stands	175.50m						i 📖		Produc	t	Am	ount Type		1	1	1			
TI			Gage		2	Drill Pipe	Singles	19.50m					1	i⊢—					_							
TO			ODC			Kelly Down		-2.56m	Remarks					i					-	-						
MDC		Reaso	n Pulled		1	Total		2255.00m						1							1	1				
LOC		Total Ru	un (m/hr)		1	Weight of DC		0kdaN														1				
BRG					ור	Weight of String		71kdaN												Rema	ırks: Fl	INCTION	TRAVEL	STOPS/LIMITS & CROWN SAVER		
METR	ES D	RILL	ED		НС	DLE CONDI	TION							' 						INSPEC	CT TOP D	RIVE/ ELE	VATORS	BALES/ ALL OVERHEAD EQUPIMENT-INSPEC	T NOV ST-80 & ALL DRILL F	LOOR EQUIPMENT
From	To	D-R-C	RPM	WOB		le Drag Up		vn 7	REDL	JCED F	PUMF	P SPE	ED						_	INSPE	ст сно	KE LINES/	HCR'S/K	ILL LINES/ CHECK MANIFOLD VALVE ALIGN	EMENT-FUNCTION FLAR	E STACK IGNITER
2164m	2255m	DRILL	5	0 10kdaN	Tora	ue at Bottom	_	7800.00Nm	Pump No.	Pressure	Strok	kes/min	Depth							INSPE	CTES	APE BUG	GY/ MC	NKEYBOARD SRL		
			1		1	on Bottom		0.00m	1	4725 @	78	0	2251	Boi	iler #	Hours	Dura	рH	Stack Temp	SA	FETY					
			1			Ton Bottom		0.0011	2	4795 @	78	@	2251		mer #	Hours	RUN	pn	Stack temp				;	Safety Topic	MEHL	MACP
			1		1					@	2	@		1						Conne	ctions/F	uid Transf	er		81.00kdaN	2930kP
V. 1.3					-									-											· · ·	
																										1 of :

			FROM	IT PAG	AE SUM	MARY	,				heet Serial 9_2016051			/endor Soft ason	tware Ve	ersion		Year 2016	Month 05	10	DAILY C) Daily Walk Ar 2) Detailed Insp	ound Inspect	tion	eck List)		\neg	ŀ	
License No	Wel	l Name								Surface	e Location			F	Prov I	Loc Type	Unique W	ell Id		1	8) H2S Signs Pa	sted if Requi	ired	bon Liby] [CAQ]	DC)
31606	PARI	KLAND C5-	09-81-16W	6						05-09-08	31-16W6			B	BC E	DLS	103/14-08	3-081-16W6	/00		 Well Licence Flare Lines S 		ram Posted		\vdash			
Operator							(Contractor						Rig No	١	Well Type			F	Re-Entry	6) Plate Lines 5 6) BOP Drills Pe	akeu rformed				-		
ARC RESO	JRCES						F	PRECISION	DRILLING,	DIV OF PE	DCLP			529	1	HORIZ					Y) Visually Inspect	ted BOPs - F	lare Lines & D	egasser Lines				
Operator's 16DRL0036							(8	Contractor's 34	; Job No							Spud Date T 2016/05/04 2				3) Rig Site Healt 2) CAODC Rig S	afety Inspect	tion Checklist	t (one/rig/mo	nth)	P	aso	
Signature o Guy Rockab		Represent	tative					Signature o MARC RAY	f Contractor MOND	's Rig Man	ager				I	Rig Release	Date Time				8) Mast Inspecti 4) Crown Saver 5) Motor Kills Cl	Checked	aising or Low	ering	E	=	Pason	
CODE	4	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		Kelly Bushing	Op Fuel
CODE .			<u> </u>				<u> </u>																				FUEL @ 08:	00 HOURS
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drila Line	Dev Survey	Wireline Loas	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillsten Test	n Plug Back	Squeeze	Fishin	g Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL	Rig	Boiler
က Tour 1		6.00					0.25	i												1.					1	8.00		Temp
Tour 2		2.50				5.00	0.75			ĺ					İ –					3.	25 0.50			1	1	12.00	Current Conditions	·
Tour 3	1.00	2.75					0.25																			4.00		Wind Strength
Total	1.00	11.25				5.00	1.25											1		4.	75 0.75			1	1	24.00	Poad Condition	
																											-	

TOUR 1	SI	GNATU	RE	OF DRILLER								JAS	ON GILE	s									ST	ART			08:00
BITS				DRILLING AS	SEI	ΜВ	LY	MU	D RE	COR	D			DE	VIATIO	ON SU	RVEYS	;			TIM	E LO	G				
Bit Number	r			No Component	0D	ID	Length		1	Aud Typ	e Wate	er 🗌	0il 🗌	Time	Depth	Deviation	Directio	1	Ty	pe	From	To	Elapsed	Code	Details of Operations in	Sequence & Remark	3
Size	e							11			Other [
IADC Code	e 🗌						1			Time				1				_				Ì		1			
Manufacturer	r							1		Density				1—			-										
Туре	e								Funnel \	/iscosity								-									
Serial No	0]	Fl	uid Loss								+									
Jets	s									рH																	
								Loc	ation of	Sample				SO	LIDS (CONT	ROL										
Depth Out (m)										Depth					uipment	Hour				Under Flow							
Depth In (m)										PVT				Ì	Name	Run	Densi	ty D	Density	Density							
Total Drilled (m))							CIR	CULA	TION						_											
Hrs Run Today	/							Pump#	Туре	Liner Siz	e SPM	Pressu	ire Hours Ru	n		_	_										
Cumulative Hrs Run																											
Entry Date														MU	D MA		LS AD	DED									
CUTTING ST				Drill Pipe		ands										Produ	ct		Amo	ount Type							
П		Gage		Drill Pipe	-	gles															1						
TO		ODC		Kelly Down				Remar	'ks:												iL						
	Reason P		_	Total								_															
	otal Run (r	n/hr)		Weight of DC															_								
BRG				Weight of String															_	_					P CONNECTIONS FROM DERRICK, 2-4 TF		
METRES DR				HOLE COND	тю								-									_			F WATER- REMOVE LENS-DRAIN AND FIX		
From To D)-R-C F	RPM WO	B	Hole Drag Up		Dow	vn 📃				MP \$										AT RIS	K OB	WORKER	ABOUT	TO RESUME MIXING BARITE-FORGOT TO) PUT RESPERATOR	BACK ON
				forque at Bottom				Pump N	lo. Pre	_	Strokes/	_	Depth	Boi	ler												
			-1	Fill on Bottom					_	@	_	@		Bo	oiler #	Hours	Run	pН		Stack Temp	SAF	ETY					
									_	@	_	@									<u> </u>			5	Safety Topic	MEHL	MACP
										@		@									Connec	tions/Ti	ip			85.00kdaN	3078kPa

TOUR 2	SI	IGNA	TURE	OF	DRILLE	R						SYL\	/AIN AF	RSENAUL	т									ST	ART	TIME 08:00 EN		20:00
BITS				DR	ILLING A	SSE	ΜВ	LY	MUC) RE(CORE)			DE	VIATIO	ON SU	RVEYS	-			ТІМІ	E LO	G				
Bit Number				No	Componen	t OD	ID	Length		Ν	Aud Type	e Wate	er 🔲	0il 🗌	Time	Depth	Deviation	Direction		Тур	е	From	To	Elapsed	Code	Details of Operations in	Sequence & Remarks	
Size												Other [
IADC Code											Time				1													
Manufacturer											Density				1—													
Туре						1	1		F	unnel V	iscosity		1		1—				<u> </u>									
Serial No										Flu	uid Loss				1-													
Jets											pН				1			-										
									Loca	ation of	Sample				SO	IDS	CONT											
Depth Out (m)											Depth					uipment	Hour		Over	Flow	Under Flow							
Depth In (m)							1				PVT				- 4	Name	Run		Der	isity	Density			1				
Total Drilled (m)									CIRC	ULA	TION	1												1				
Hrs Run Today									Pump#	_	Liner Siz		Press	ure Hours R	n													
umulative Hrs Run										21.1																		
Entry Date												1	+		MU	D MA	TERI/	LS AD	DED									
UTTING STR	UCT	URE			Drill Pipe	St	ands				1		1				Produ	ct		Amou	nt Type							
TI		Gage			Drill Pipe	Si	nales						+											1				
то		ODC			Kelly Do	wn			Remar	ks:					1													
IDC Rei	ason F	Pulled			To	otal			Homan						1													
LOC Total	l Run ((m/hr)			Weight of	DC			-																			
BRG					Weight of Str																	Remar	ks: HI	D- BOOM	LINE LE	FT ATTACHED TO FLOW LINE AFTER INS	TALLATION-BT	
IETRES DRIL	LED	D			LE CON		DN		L																		-	
rom To D-R-	-C	RPM	WOB		e Drag Up		Dov	vn 🗌	RED	UCE	D PU	MP S	SPE	ED														
					e at Bottom				Pump N	o. Pre	ssure	Strokes	/min	Depth														
					on Bottom						@		@		Boi			Dura	-		a de Terrer	SAF	ЕТҮ					
				- riii	DOLIOIII						@		@		BC	oiler #	Hours	KUN	pН	S	tack Temp					afety Topic	MEHL	MACP
											@		@		1⊢							TRIPPIN	IG OU	г			87.00kdaN	302

100	кз	. 3	IGNA	IUKE	OF	DRILLEI	۲ <u> </u>							JASC	N GILE	S									5	IARI	11ME 20:00		24:00
BITS					DR	LLING A	SSE	МВ	LY	MUD	REC	OR)			DE	VIATI	ON SU	RVEYS				ТІМ	E LC	G				
E	it Number	r			No	Component	: 01	D ID	Length		М	lud Type	e Water	0	il 🗌	Time	Depth	Deviation	Direction		Туре	в	From	To	Elapse	d Cod	e Details of Op	erations in Sequence & Remarks	S
	Size									11			Other 🗌															·	-
	ADC Code								1	1		Time				1				<u> </u>					1				
Ma	nufacturer	r							1	1	[Density				1—									1				
	Туре								1	1 Fi	unnel Vi	scosity				1									1				
	Serial No	0							1	11	Flui	id Loss				1—				-					1				
	Jets	5							1	11		pН				1	1								1				
							\neg		1	Loca	tion of S	Sample				SO	LIDS	CONT	ROL										
Dep	th Out (m))							1	1		Depth					uipment	Hours	1	Over F	low	Under Flow			1				
D	epth In (m)								1	11		PVT					Name	Run	Densit			Density			1				
Total	Drilled (m))							1	CIRC	ULA	TION													1				
Hrs	Run Today	/							1	Pump#	Туре	Liner Siz	e SPM	Pressure	Hours Ru	in									1				-
Cumulati	ve Hrs Run	1													1										1				
	Entry Date	•							1							MU			LS AD						1				
CUTTI	NG ST	RUC	TURE		[Drill Pipe	S	tands										Produ	t		Amour	nt Type			1				
TI			Gage		[Drill Pipe	Si	ingles							1	1⊢						-							
TO			ODC			Kelly Dov	wn		·	Remark	S:					1⊢—						-							
MDC		Reason	Pulled		1	То	otal			1						1									1				
LOC	To	otal Run	(m/hr)		1	Weight of I	DC			1															1				
BRG					י [[Weight of Stri	ng			1													Remar	ks: RE	EVIEW CO	DP 2-3	DP CONNECTIONS FROM DERR	ICK, FLUID TRANSFERS	
METR	ES DR	ILLE	D		HO	LE CONI	DITI	ON														_							
From	To D	-R-C	RPM	WOB	Hole	Drag Up		Dov	wn	RED	UCEI	D PU	MP S	PEEI)														
					Torque	at Bottom				Pump No). Pres	sure	Strokes/m	nin D	lepth	Boi													
					Fill o	n Bottom						@	(C)				oiler #	Hours	Run	рН	C+	ack Temp	SAF	ETY					
										·		@	0					TIOUIS	nun	Pil	- 31	aux remp					Safety Topic	MEHL	MACP
]							@	0								1		Connec	tions/FI	uid Trans	fer		81.00kdaN	2930kPa

DRILL ASSE	EMBLY & SPECIAL EVENTS - ADDIT	IONAL DATA	Tour Sheet Serial No 0Y52529_20160510_1A	Vendor Softw Pason	are Versi	ion	Year 2016	Month Day S 05 10	CAGDO
License No Well Name 31606 PARKLAND (C5-09-81-16W6		Surface Location 05-09-081-16W6	1	Prov BC	Loc Type DLS	Unique Well Id 103/14-08-081-16V	V6/00	
Operator ARC RESOURCES		Contractor PRECISION DRILLING	G, DIV OF PDCLP	1	5	Well Type HORIZ		Re-Entry	
Operator's AFE 16DRL0036		Contractor's Job No 84				Spud Date 2016/05/04			pason
Signature of Operator Representat Guy Rockabar		Signature of Contractor	r's Rig Manager			Rig Release	e Date Time		Pason

DR	LLING ASSEMBLY		то	UR 1	DR	LLING ASSEMBLY		то	JR 2	DRI	LLING ASSEMBLY		то	JR 3
No	Component	OD	ID	Length	No	Component	OD	ID	Length	No	Component	OD	ID	Length
1	BIT	171.00	0.00	0.23	1	BIT	171.00	0.00	0.23	1	BIT	171.00	0.00	0.23
1	MOTOR	127.00	0.00	8.74	1	MOTOR	127.00	0.00	9.04	1	MOTOR	127.00	0.00	9.04
1	NEAR BIT INC SUB	132.00	42.00	1.36	1	SLIDE REAMER	152.00	0.56	1.43	1	SLIDE REAMER	152.00	0.56	1.43
1	NM SLICK MONEL	120.00	69.00	9.32	1	NM SLICK MONEL	120.00	69.00	9.32	1	NM SLICK MONEL	120.00	69.00	9.32
1	GAP SUB	126.00	69.00	1.70	1	GAP SUB	126.00	69.00	1.71	1	GAP SUB	126.00	69.00	1.71
1	NM SLICK MONEL	120.00	69.00	9.27	1	NM SLICK MONEL	120.00	69.00	9.27	1	NM SLICK MONEL	120.00	69.00	9.27
1	NM SLICK MONEL	117.00	69.00	9.26	1	NM SLICK MONEL	117.00	69.00	9.26	1	NM SLICK MONEL	117.00	69.00	9.26
1	X/O	134.00	61.00	0.94	1	Х/О	134.00	61.00	0.94	1	X/O	134.00	61.00	0.94
1	5 x 4.5" HWDP	114.00	72.00	46.80	1	5 SINGLES OF DP	114.00	97.00	48.75	1	5 SINGLES OF DP	114.00	97.00	48.75
1	X/O	134.00	62.00	0.96	1	X/O	134.00	62.00	0.96	1	X/O	134.00	62.00	0.96
1	JARS-HYD/MECH	133.00	57.00	5.50	1	JARS-HYD/MECH	133.00	57.00	5.50	1	JARS-HYD/MECH	133.00	57.00	5.50
1	X/O	134.00	68.00	0.94	1	X/O	134.00	68.00	0.94	1	X/O	134.00	68.00	0.94
1	32 x 4.5" HWDP	114.00	71.00	299.52	1	167 SINGLES OF DP	114.00	97.00	1628.25	1	167 SINGLES OF DP	114.00	97.00	1628.25
					1	36 SINGLES OF HWDP	114.00	73.00	336.96	1	36 SINGLES OF HWDP	114.00	73.00	336.96
59	Drill Pipe		Stands	1725.75	3	Drill Pipe		Stands	87.75	6	Drill Pipe		Stands	175.50
0	Drill Pipe		Singles	0.00	1	Drill Pipe		Singles	9.75	2	Drill Pipe		Singles	19.50
	Kelly Down			-3.00		Kelly Down			3.94		Kelly Down			-2.56
	Total			2117.29		Total			2164.00		Total			2255.00
	Weight of DC			0.00		Weight of DC			0.00		Weight of DC			0.00
	Weight of String			71.00		Weight of String			71.00		Weight of String			71.00

SPECIAL	EVENTS			
Tour No.	Event No.	Description	Time	Depth

			FROM	IT PAG	AE SUM	IMAR)	1			0Y52529	neet Serial 9_2016051	1_1A		Vendor Soft ason				Year 2016	Month 05	11 1	DAILY C) Daily Walk An) Detailed Inspi	ound Inspect	tion	neck List)	OP R	- /	I	
License No	V	Nell Name								Surface	e Location			F	Prov	Loc Type	Unique We	ll Id		3) H2S Signs Po	sted if Requ	ired	,	DB MR	= ((CAO	DC
31606	PA	ARKLAND C5	-09-81-16V	/6						05-09-08	31-16W6			B	BC [DLS	103/14-08	-081-16W6	/00) Well Licence) Flare Lines St		ram Posted		DB MR			
Operator							C	ontractor						Rig No		Well Type			Re	-Entry 6	BOP Drills Per	formed			DB MR			
ARC RESOU	RCES	6					P	RECISION	DRILLING,	DIV OF PE	OCLP			529		HORIZ				7) Visually Inspec	ted BOPs - F	lare Lines & D	legasser Lines	DB MR	-		
Operator's A	FE						C	ontractor's	Job No							Spud Date T	ime			1) Rig Site Healt	h & Safety M	Meeting (one/	crew/month)			aso	
16DRL0036							8	4							1	2016/05/04 2	3:00			2) CAODC Rig Si	afety Inspect	tion Checklist	t (one/rig/mo	nth)		_	
Signature of	Opera	ator Represen	tative				S	ignature of	f Contractor	's Rig Man	ager					Rig Release	Date Time) Mast Inspecti		aising or Low	ering				
Dean Boehne	rt						N	IARC RAY	MOND) Crown Saver) Motor Kills Ch				MB	4	Paso	n
CODE	1	2	з	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		Kelly Bushing 5.98	Op Fuel 3577.00
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillsten Test	I Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL	Rig 21875	3:00 HOURS
n Tour 1		5.25					0.25													2.2	5 0.25					8.00		Temp 05:00 6.00
Tour 1 Tour 2		8.00					0.25													3.5	0 0.25		1	1	1	12.00	Current Conditio	ns
Tour 3		2.50					0.25										1			1.0	0 0.25			1		4.00		Wind Strength UP TO 19 KM/H
Total		15.75		ĺ			0.75						ĺ				Î	1	1	6.7	5 0.75			1		24.00	Road Condition GOOD	
																							_					

TOUR 1	S	GNATURI	E OF DRIL	LER							JASON GILES	s								ST	ART	TIME 00:00 EN		08:00
BITS			DRILLIN	G AS	SEM	BLY	MU	REC	ORD)		DEVIATIO	ON SUR	VEYS				TIME	E LO	G				
Bit Number	r 5		No Comp	onent	OD I	ID Lengt	h	М	ud Type	Water	0il 🗴	Time Depth	Deviation			Гуре		From	To	Elapsed	Code	Details of Operations ir	Sequence & Remarks	
Size	в	15	1 BIT		171	0 0.2	Bm			Other 🔄		00:152265.93m	86.7	306.6			[00:00	05:15	5.25	2	DRILL 171mm HOLE FROM 2255m TO 24	88M	
IADC Code	e		1 MOTOR		127	0 9.0	1m		Time	02:0	00 04:00	01:002280.56m	88.9 89.6	304.1 300.6			[05:15	07:30	2.25	20A	ACCUMULATED, DIRECTIONAL SURVEY	S,WORK PIPE AND CO	NNECTIONS
Manufacturer	r REED		1 SLIDE RE	AMER	152	1 1.4			Density	124	40 1230	01:452295.18m 02:152309.81m	89.6 90.5	297.2				07:30	07:45	0.25	7	RIG SERVICE - INSPECT/GREASE TOP I	DRIVE & DRAW WORK	S, FUNCTION
Туре	8 SK413	M-A1G	1 NM SLICK	(MONEL	120	69 9.3	2m F	unnel Vi		54	s/l 54s/	02:152309.81m 02:452324.43m	90.5	297.2			(ANNULAR-20sec.T/C		
Serial No	D	E20189	1 GAP SUB	3	126	69 1.7	Im	Flui	id Loss			03:002339.06m	91.3	298.1				07:45	08:00	0.25	21	CREW CHANGE SAFETY MEETING/PLAN	FORWARD W/RIG MAN	AGER & ARC OS
Jets	s 9.5	9.5 9.5 9.	1 NM SLICK	MONEL	120	69 9.2	7m		pН			03:302353.68m	88.1	295.9										
			1 NM SLICK	MONEL	117	69 9.2	Sm LOCi	ation of S	Sample	SHAKER	S SHAKERS	SOLIDS (CONTR	OL										
Depth Out (m))		1 X/O		134	61 0.9	\$m		Depth			Equipment	Hours	Intake	Over Flow	v Unde	er Flow							
Depth In (m))	211	15 SINGLE	S OF DP	114	97 48.7	Sm		PVT			Name	Run	Density	Density	De	ensity							
Total Drilled (m))	37	1 X/O		134	62 0.9		ULA	ΓΙΟΝ			CENTRIFUGE	3	1250	0 11	50	1880							
Hrs Run Today	у	5.2	5 1 JARS-HY	D/MECH	133	57 5.5	0m Pump#	Туре	Liner Size	e SPM P	ressure Hours Ru	1				_								
Cumulative Hrs Run	n	10.5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		134	68 0.9	1m 1	COMBINED	114	845	17450 8													
Entry Date			1 167 SINGL	ES OF DP	114	97 1628.2	im 2	COMBINED	114	85	17450 8	MUD MA		S ADD										
CUTTING ST	RUCI	URE	14 Drill Pipe		Stan)m					BARITE	Product		Ar	168	EACH							
П		Gage	o Drill Pipe	Э	Singl	es 0.0)m					CLAYTONE				108	EACH							
то		ODC	Kel	ly Down		-3.0	m Remar	KS:				LIME				10	EACH							
	Reason			Total		2488.5	šm					OPTI G			1	10	EACH							
	otal Run	(m/hr)	-	ht of DC		0kd	aN					OPTIWET				1	EACH							
BRG			Weight of	of String		71kd	aN]						Remark	s: FUI	NCTION T	RAVEL	STOPS/LIMITS & CROWN SAVER		
METRES DR			HOLE C	ONDI	TION											\rightarrow		INSPECT	TOP DF	RIVE/ ELEV	ATORS/	BALES/ ALL OVERHEAD EQUPIMENT-INSPECT	NOV ST-80 & ALL DRILL	FLOOR EQUIPMEN
From To D	D-R-C	RPM WOB	Hole Drag	Up	9	Down 10				MP SP								INSPECT	г снок	E LINES/H	CR'S/KI	LL LINES/ CHECK MANIFOLD VALVE ALIGN	MENT-FUNCTION FLAP	RE STACK IGNITE
2255m 2488m	DRILL	40 14kdaM	Torque at Botto	m		7900.00	Im Pump N			trokes/mir	n Depth	Boiler								APE BUG	GY/ MO	NKEYBOARD SRL		
			Fill on Bottor	m		0.0)m	1 4795	@	78 @	2266	Boiler #	Hours B	un	рН	Stack	Temp	SAF	ETY					
								2 4850		78 @	2266					2.don					S	afety Topic	MEHL	MACP
]					1 5355	@	85 @	2413							Connecti	ons/Flu	id Transfe	r		79.00kdaN	2979kP

TOUR 2 SIGNATURE		SYLVAIN ARSENAUL	r	START TIME 08:00 END TIME 20:00
BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number 5	No Component OD ID Le	gth Mud Type Water Oil 🗴	Time Depth Deviation Direction Type	From To Elapsed Code Details of Operations in Sequence & Remarks
Size 159	1BIT 171 0	23m Other	08:15 2499.93m 88.4 296.6	08:00 16:00 8:002 DRILL 159M HOLE FROM 2488M TO 2942M.
IADC Code	1MOTOR 127 0	04m Time 13:00 16:0	08:45 2514.56m 88.9 298.2	16:00 19:30 3.50 20A DIRECTIONAL SURVEYS, CONNECTION TIME
Manufacturer REED	1SLIDE REAMER 152 1	43m Density 1230 122		19:30 19:45 0.257 RIG SERVICE FCT UPPER PIPR RAM 4 SEC TO CLOSE
Type SK413M-A1G	1NM SLICK MONEL 120 69	32m Funnel Viscosity	09:30 2543.81m 90.3 298.9 09:45 2558.43m 89.9 298.9	19:45 20:00 0.25 21 CREW CHANGE MEETING
Serial No E201897	1GAP SUB 126 69	71m Fluid Loss	09:4512558.43m 89.9 250.3 10:00 2573.06m 90 299	
Jets 9.5 9.5 9.5 9.5	1NM SLICK MONEL 120 69	27m pH	10:15 2587.68m 90.2 299.3	
	1NM SLICK MONEL 117 69	26m Location of Sample SHAKERS SHAKERS	SOLIDS CONTROL	
Depth Out (m)	1X/O 134 61	94m Depth 2692m	Equipment Hours Intake Over Flow Under Flow	
Depth In (m) 2117	15 SINGLES OF DP 114 97 4	75m PVT 46m3	Name Run Density Density Density	
Total Drilled (m) 825	1X/O 134 62	96m CIRCULATION	CENTRIFUGE 8 1235 1190 190	
Hrs Run Today 8.00	1JARS-HYD/MECH 133 57	50m Pump# Type Liner Size SPM Pressure Hours R		
Cumulative Hrs Run 18.50		94m 1 COMBIN- 114 85 24800 1		
Entry Date 2016/05/10	167 SINGLES OF 114 97 162	25m 2COMBIN- 114 85 24800 1	MUD MATERIALS ADDED	
UTTING STRUCTURE	30 Drill Pipe Stands 90	75m	Product Amount Type	
TI Gage	o Drill Pipe Singles	00m	BARITE 84 EACH	
TO ODC	Kelly Down -2	31m Remarks:	CLAYTONE 1 EACH	
MDC Reason Pulled	Total 294	00m	OPTI G 10 EACH	
LOC Total Run (m/hr)	Weight of DC	:daN	NEW VEX 10 EACH	
BRG	Weight of String 7	xdaN	OPTI-ONE 3 EACH	Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER
METRES DRILLED	HOLE CONDITION			INSPECT TOP DRIVE/ ELEVATORS/ BALES/ ALL OVERHEAD EQUPIMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EC
From To D-R-C RPM WOB	Hole Drag Up 9 Down	REDUCED PUMP SPEED		INSPECT CHOKE LINES/HCR'S/KILL LINES/ CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK
2488m 2942m DRILL 45 11kdaN	Torque at Bottom 8800	ONm Pump No. Pressure Strokes/min Depth	Boiler	INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL
	Fill on Bottom	.00m 1 3700 @ 60 @ 264	Boiler # Hours Run pH Stack Temp	SAFETY
		1 3900 @ 85 @ 285		Safety Topic MEHL MA
		@ @		DRIVING SAFELY 83.00kdaN

TOUR 3	SIGNA	TURE	OF	DRILLER							JOSH GILBE	RT									ST/	ART '		20:00			24:00
BITS			DR	ILLING AS	SEMB	LY	MUD	REC	ORD)			DEVIATIO						тім	E LO	G						
Bit Number	5		No	Component	OD ID	Length		Mu	d Type	Water	🗌 0il 🗴		Time Depth	Deviation	Direction		Туре		From	To	Elapsed	Code		Details of	Operation	ns in Sequence & Remarks	;
Size		159	1B	IT	171 0	0.23m				Other 🗌			20:15 2953.31m	91.4	297.2				20:00	20:15	0.25					03 SECONDS. CREW RESP	
IADC Code			1N	IOTOR	127 0	9.04m			Time	20	:00	- IE	20:30 2967.93m	91.6	297.1								APPROPRIATE ME COUNT/	EMBERS TO MU	USTER POI	INT AND CHECKED WIND DIRE	CTION. HEAD
Manufacturer	REED		1S	LIDE REAMER	152 1	1.43m		De	ensity	1:	240		21:00 2982.56m	91.1	297.3 298								MAN DOWN PR	OCEDURES	REVIEW	ED	
Туре	SK413M-A1G		1N	IM SLICK MONEL	120 69	9.32m	Fu	innel Visc	cosity	5	2s/I		21:30 2997.18m 22:00 3011.81m	90.7	298 296.3				20:15	22:45	2.50	2	DRILL 159mm L	ATERAL SEC	CTION FR	ROM 2942M-3075M.	
Serial No		E201897	1 I G	AP SUB	126 69	1.71m		Fluid	Loss				22:00 3011.81m 22:15 3026.43m	90.3	290.3				22:45	23:45	1.00	20A	DIRECTIONAL	SURVEYS/ C	ONNECT	IONS/TOOLFACE ORIENT	ATION
Jets	9.5 9.5	9.5 9.5	1 N	IM SLICK MONEL	120 69	9.27m			pН				23:00 3041.06m	89.6	294.9				23:45	24:00	0.25	7	RIG SERVICE/ I	FUNCTION L	OWER PI	IPE RAMS/4 SECS TO CLO	DSE
			1N	IM SLICK MONEL	117 69	9.26m	Locat	ion of Sa	Imple	SHAKE	RS		SOLIDS C	ONTR	OL												
Depth Out (m)			1 1 X	/0	134 61	0.94m		C	Depth	294	1m		Equipment	Hours	Intake	Over Flo		der Flow									
Depth In (m)		2117	15	SINGLES OF DP	114 97	48.75m			PVT	59	lm3		Name	Run	Density	Densit	y D	Density									
Total Drilled (m)		958	1 1 X	/0	134 62	0.96m	CIRC	ULAT	ION			C	CENTRIFUGE	:	2 1250	12	200	1700									
Hrs Run Today		2.50	1 JJ	ARS-HYD/MECH	133 57	5.50m	Pump#	Type Li	ner Size	SPM	Pressure Hours	Run		-													
Cumulative Hrs Run		21.00	- i -	/0	134 68	0.94m	10	OMBIN- D	114	85	19500	4															
Entry Date	2016/05/10		1	67 SINGLES OF	114 97	1628.25m	2 ⁰	OMBIN-	114	85	19500	4	MUD MAT														
CUTTING STR	RUCTURE	3	35	Drill Pipe	Stands	1023.75m						귀누		Product		A	mount	71.									
TI	Gage		a	Drill Pipe	Singles	0.00m							_IME OPTI-ONE				5	EACH									
TO	ODC			Kelly Down		-11.31m	Remarks	3:					NEW VEX				10	EACH									
MDC R	Reason Pulled			Total		3075.00m						٦ŀ															
LOC Tot	tal Run (m/hr)			Weight of DC		0kdaN																					
BRG				Weight of String		71kdaN						٦L							Remar	ks: FUN	ICTION TR	RAVEL	STOPS/LIMITS &	& CROWN SA	AVER		
METRES DRI	ILLED		HO	LE CONDI	TION														INSPEC [®]	TOP DR	RIVE/ ELEVA	TORS/ E	ALES/ ALL OVER	HEAD EQUPIN	MENT-INSP	PECT NOV ST-80 & ALL DRILL	FLOOR EQUIPMENT
From To D-	-R-C RPM	WOB	Hole	e Drag Up 📑	Dov	vn 15	REDU	JCED	PU	MP SI	PEED								INSPEC	т снок	E LINES/H	CR'S/KIL	L LINES/ CHECK	MANIFOLD \	VALVE ALI	IGNEMENT-FUNCTION FLAI	RE STACK IGNITER
2942m 3075m E	ORILL 45	12kdaN	Torque	at Bottom	1	7500.00Nm	Pump No	. Pressu	ure S	trokes/m	in Depth		Boiler						INSPEC	TESCA	PE BUGG	Y/ MON	IKEYBOARD SF	RL			
			Fill of	on Bottom		0.00m	2	2 6500	@	85 @	30	56	Boiler #	Hours P	hun	рН	Stack	k Temp	SAF	ЕТҮ							
						5.0011			@	@			Donol #	1100131		pri	otaur	k temp				Sa	afety Topic			MEHL	MACP
]						@	@		마					i		SOUR E	OP DRI	LL					85.00kdaN	3029kP

				FROM		E SUM	IMARY	r				heet Serial 9_2016051			/endor Soft ason	ware Ve	rsion		Year 2016	Month 05	11 1	Daily Walk An Detailed Insp	ound Inspec	tion	aack List)	OP F	IM	ŀ	
License No		Well Nan	ne								Surfac	e Location			F	rov l	Loc Type	Unique We	ll Id			H2S Signs Po			look Lloty			CAO	DC
31606	F	PARKLAN	ID C5-0	9-81-16W	6						05-09-0	81-16W6			в	с с	DLS	103/14-08	-081-16W6/	00		Well Licence		ram Posted					
Operator								0	ontractor						Rig No	1	Well Type			R		Flare Lines St BOP Drills Per				\vdash	_		
ARC RESO	JRCE	s						P	RECISION	DRILLING	DIV OF P	DCLP			529		HORIZ					Visually Inspec		Tare Lines & D	Degasser Line:	s			
Operator's	AFE							C	ontractor's	s Job No						5	Spud Date T	ïme			- 1	Rig Site Healt	h & Cofoty N	Monting (one)	/orow/month			aso	
16DRL0036								8	4							2	016/05/04 2	3:00			2	CAODC Rig Si	afety Inspec	tion Checklist	t (one/rig/mc	onth)			
Signature of	f Oper	rator Rep	resenta	ative				S	ignature o	f Contractor	's Rig Mar	nager				F	Rig Release	Date Time			3	Mast Inspecti	on before R	aising or Low	rering				
Dean Boehn	ert .							N	ARC RAY	MOND	•	•					•					Crown Saver Motor Kills Ch				H	_	Pasor	1
			~	-		_	6	_	-	-															~ ~	-		Kelly Bushing	Op Fuel
CODE	1		2	3	4	5	6	4	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		FUEL @ 08	OO HOURS
	Rig Up	g D D Ac	rill tual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drila Line	Dev Survev	Wireline Loas	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillsten Test	n Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL		Boiler
n Tour 1			5.25					0.25													2.2	5 0.25			1	1	8.0	Eff Time	Тетр
Se Tour 1 Tour 2			8.00			i i		0.25						l l					1		3.5	0 0.25		1		1	12.0	Current Condition	:
Tour 3			2.50					0.25									-				1.0				1	1	4.0	Wind Direction	Wind Strength
Total			15.75					0.25										1			6.7			1	1	1	24.0	Road Condition	
Total			10.10					0.10											1		0.1	0.10				1	24.0		

TOUR 1	S	IGN/	TUR	E OF	DRILLER								JASON GILI	s									S1	TART	ТІМЕ	00:00	END	TIME	08	:00
BITS				DR	RILLING AS	SEM	BLY	M	JD R	ECO	RD			DEV	ΙΑΤΙΟ	N SUR	VEYS				TIM	ELC	DG							
Bit Number				No	Component	OD I	D Le	ngth		Mud	Type V	Vater [0il	Time	Depth I	Deviation	Direction		Тур	е	From	To	Elapsed	d Code		Details of Op	erations in S	equence & Rer	narks	
Size											Oth	ier 🗌		04:00		88.6	295.3													
IADC Code										Т	ime			04:30		90.5	297.1						1							
Manufacturer										Den	sity			05:00		90.7	295.6													
Туре									Funn	el Visco	sity			05:15		90.6 91.3	295.9 297.3													
Serial No										Fluid L	oss			06:00		91.3	297.5													
Jets											pH			07:00		90.1	296.9						1							
								L	ocation	of Sam	iple					ONTR						Ì	1							
Depth Out (m)										De	pth				pment	Hours	Intake	Over F	low	Under Flow			1							
Depth In (m)										1	PVT				ame	Run	Density			Density			1							
Total Drilled (m)								CI	RCUL	LATI	DN												1							
Hrs Run Today								Pum	p# Typ	pe Line	r Size S	SPM F	Pressure Hours F	un									1							
Cumulative Hrs Run																						Ì	1							
Entry Date														MU	D MAT		S ADD						1							
CUTTING STR	RUC.	TURE	-		Drill Pipe	Stan	is									Product			Amou	int Type			1							
TI		Gage			Drill Pipe	Singl	es		1					┨┝───						-										
TO		ODC			Kelly Down		_	Rem	narks:			l											1							
MDC Re	leason	Pulled			Total																	Ì	1							
LOC Tota	al Run	(m/hr)		1	Weight of DC																									
BRG				71	Weight of String																Remar	ks: RE	VIEW CO	DP 2-3 [P CONNECTIONS	FROM DERRI	ICK, FLUID T	RANSFERS		
METRES DRI	LLE	D		НО	LE CONDI	TION								-																
From To D-F	R-C	RPM	WOB		le Drag Up		Down	RE	DUC	ED I	PUMI	P SP	EED							-										
					ie at Bottom	_	_	Pum	o No. I	Pressur	e Strok	kes/mi	n Depth																	
					on Bottom				2 5	445 @	85	5 @	241	3 Boil		Hours R	un	рН		tack Temp	SAF	ЕТҮ								
				1	on bottom					0	9	@		BOI	CI #	HUUIS R	un	μп	- 51	алк теппр					afety Topic			MEHL		MACP
				1						0	9	@							1		Connect	tions/Fl	uid Transf	fer				79.00k	daN	2979kPa

FOUR 2 SIGNATUR	e of	DRILLER						SYLV	AIN ARSEN	NAULT								ST	ART		08:00	END T		20:00
BITS	DR	ILLING AS	SEMB	LY	MUD	REC	ORD)			DEVIATIO					ТІМ	ELC	G						
Bit Number	No	Component	OD ID	Length		М	ud Type	Water	· 🗌 0il		Time Depth [Deviation	Direction	Ţ	уре	From	To	Elapsed	Code		Details of Op	erations in Seq	uence & Remarks	
Size								Other 🗌			10:30 2602.31m	88.3	297.3											
IADC Code							Time				11:00 2616.93m	88.4	297.7				1							
Manufacturer				1		[Density				11:15 2631.56m	88.9	298				1							
Туре					F	unnel Vi	scosity				11:45 2646.18m	88.6	298.4				1		1					
Serial No						Flui	id Loss				12:15 2660.76m 12:30 2675.43m	88.9	299.6 300.1						1					
Jets							pН				12:30 2675.43m 13:00 2690.06m	89.8 90.5	299.8					1						
					Loca	tion of S	Sample				SOLIDS C						1		1					
Depth Out (m)				1 1			Depth				Equipment	Hours	Intake	Over Flow	Under Flow									
Depth In (m)				i i			PVT				Name	Run	Density	Density	Density									
Total Drilled (m)					CIRC	ULA	ΓΙΟΝ												1					
Hrs Run Today									Pressure H	lours Run								1						
umulative Hrs Run											1							1						
Entry Date											MUD MAT	ERIAL	S ADD											
UTTING STRUCTURE		Drill Pipe	Stands	i 1							1	Product		Am	ount Type									
TI Gage		Drill Pipe	Singles								1								1					
TO ODC		Kelly Down			Remark	(S'					1													
IDC Reason Pulled	1	Total									1							1						
_OC Total Run (m/hr)	1	Weight of DC																						
BRG		Weight of String														Remar	rks:							
IETRES DRILLED	но	LE CONDI	TION		L				······		1													
rom To D-R-C RPM WOB		e Drag Up	Do	wn	RED	UCE) PU	MP S	PEED		I													
		e at Bottom			Pump No						Deller													
		on Bottom					@	6	3		Boiler	Lleure D		all	Stack Temp	SAF	ЕТҮ							
		on bottoill				1	@	0	2		Boiler #	Hours R	un	pH	эласк тетр				S	afety Topic			MEHL	MACP
	1					1	@	0	2		1					DRIVIN	IG SAFI	ELY					83.00kdaN	297

100	КЗ	5	GNA	IUKE	: 01	- DRILLER								JOSH	GILBER	1									51	ARI	11ME 20:00 E		24:00
BITS					DF	RILLING AS	SEI	MBL	Y	MUC) RE(OR	D			DE	VIATIO	ON SU	RVEYS				ТІМ	E LO	DG				
	Bit Numbe	r			No	Component	0D	ID	Length	1	N	lud Typ	e Water)il 🗌	Time	Depth	Deviation	Direction		Тур)e	From	To	Elapsed	Code	Details of Operations	in Sequence & Remarks	3
	Size	е								11			Other 🗌			23:15	5 3055.68m	88.	4 294.										
	IADC Code	е				1						Time				1									1				
M	anufacture	r				1				1	1	Density				1—									1				
	Туре	е								F	Funnel V	scosity				┣—				+				1					
	Serial No	D]	Flu	id Loss				1—				-									
	Jets	s]		рH																	
										Loca	ation of s	Sample				SO		CONT	ROL					1	1				
De	pth Out (m)				1				11		Depth					uipment	Hours	-	Over	Flow	Under Flow			1				
[Depth In (m)								11		PVT					Name	Run	Densit	/ Den	isity	Density		1					
Tota	Drilled (m)								CIRC	ULA	TION																	
Hrs	Run Today	у								Pump#	Туре	Liner Siz	e SPM	Pressur	e Hours Ru	in		_	_										
Cumulat	ive Hrs Rur	n																						1	1				
	Entry Date	в														MU	D MA		LS AD	DED									
CUTTI	NG ST	RUCT	URE			Drill Pipe	Sta	nds								1		Produ	ct		Amou	unt Type							
TI			Gage			Drill Pipe	Sing	gles							1	1⊢													
TO			ODC			Kelly Down	1			Remark	ks:					1⊢													
MDC		Reason F	ulled]	Total															1	1	i l						
LOC	To	otal Run (m/hr)			Weight of DC																							
BRG						Weight of String	1									1											OP CONNECTIONS FROM DERRICK, FLU		
METR	ES DR	ILLED			НС	DLE CONDI	ΙΤΙΟ	Ν														_	REST				INVERT CHECKED OVER LINES NOTICED ONE HAD F		
From	To D	D-R-C	RPM	WOB	Ho	ole Drag Up		Dow	n 📃				IMP S		D								HAZARD	D ID: OBS	SERVED MU	STER PC	DINT TOO FAR AWAY FROM RIG AFTER SKID. M	OVED MUSTER AREA TO MO	ORE APPROPRIATE
					Torqu	ue at Bottom				Pump N	o. Pres	sure	Strokes/m	nin (Depth	Boi	lor												
					Fill	I on Bottom						@	6	2			oiler #	Hours	Run	рH	8	tack Temp	SAF	ETY					
					<u> </u>					ʻL		@	a				51101 IF			pri	Ť	auton romp				1	Safety Topic	MEHL	MACP
												@	@	2				1			1		SOUR	BOP D	211 1			85.00kdaN	3029kPa

				FROM		E SUM	IMARY	r				heet Serial 9_2016051			/endor Soft ason	ware Ve	rsion		Year 2016	Month 05	11 1	Daily Walk An Detailed Insp	ound Inspec	tion	aack List)	OP F	IM	ŀ	
License No		Well Nan	ne								Surfac	e Location			F	rov l	Loc Type	Unique We	ll Id			H2S Signs Po			look Lloty			CAO	DC
31606	F	PARKLAN	ID C5-0	9-81-16W	6						05-09-0	81-16W6			в	с с	DLS	103/14-08	-081-16W6/	00		Well Licence		ram Posted					
Operator								0	ontractor						Rig No	1	Well Type			R		Flare Lines St BOP Drills Per				\vdash	_		
ARC RESO	JRCE	s						P	RECISION	DRILLING	DIV OF P	DCLP			529		HORIZ					Visually Inspec		Tare Lines & D	Degasser Line:	s			
Operator's	AFE							C	ontractor's	s Job No						5	Spud Date T	ïme			- 1	Rig Site Healt	h & Cofoty N	Monting (one)	/orow/month			aso	
16DRL0036								8	4							2	016/05/04 2	3:00			2	CAODC Rig Si	afety Inspec	tion Checklist	t (one/rig/mc	onth)			
Signature of	f Oper	rator Rep	resenta	ative				S	ignature o	f Contractor	's Rig Mar	nager				F	Rig Release	Date Time			3	Mast Inspecti	on before R	aising or Low	rering				
Dean Boehn	ert .							N	ARC RAY	MOND	•	•					•					Crown Saver Motor Kills Ch				H	_	Pasor	1
			~	-		_	6	_	-	-															~ ~			Kelly Bushing	Op Fuel
CODE	1		2	3	4	5	6	4	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		FUEL @ 08	OO HOURS
	Rig Up	g D D Ac	rill tual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drila Line	Dev Survev	Wireline Loas	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillsten Test	n Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL		Boiler
n Tour 1			5.25					0.25													2.2	5 0.25			1	1	8.0	Eff Time	Тетр
Se Tour 1 Tour 2			8.00			i i		0.25						l I					1		3.5	0 0.25		1		1	12.0	Current Condition	:
Tour 3			2.50					0.25									-				1.0				1	1	4.0	Wind Direction	Wind Strength
Total			15.75					0.25										1			6.7			1	1		24.0	Road Condition	
Total			10.10					0.10				I							1		0.1	0.10				1	24.0		

TOUR 1	S	IGN/	ATURI	E OF	DRILLER							JASON	I GILES									ST	ART	ТІМЕ	00:00	EN	ND TIM		08:00
BITS				DF	RILLING AS	SEMI	3LY	MUL) RE	COR	D			DEVIATIO	N SU	RVEYS				ТІМ	E LO	G							
Bit Number				No	Component	OD II) Length		1	Mud Typ	e Water	0il		Time Depth	Deviation	Direction		Тур	е	From	To	Elapsed	I Code		Details of Op	perations	in Sequenc	ce & Remark	S
Size								71			Other 🗌			07:302470.68m	87.9														
IADC Code										Time				07:452485.31m	88.	1 296.4	1												
Manufacturer										Density	r 🗌			+ +		-	-												
Туре								T F	Funnel \	/iscosity	r 🗌			\mathbb{H}									1						
Serial No								71	Fl	uid Loss																			
Jets								71		рH																			
								Loci	ation of	Sample				SOLIDS C	ONT	ROL													
Depth Out (m)										Depth				Equipment	Hours		Over F	low	Under Flow										
Depth In (m)										PVT				Name	Run	Densit	/ Dens	sity	Density				1						
Total Drilled (m)								CIRC	CULA	TION																			
Hrs Run Today								Pump#	Туре	Liner Si:	ze SPM	Pressure	Hours Run			_													
Cumulative Hrs Run														1															
Entry Date														MUD MAT															
CUTTING STR	UCI	ſURI	Ξ		Drill Pipe	Stand	S							1	Produc	ct		Amou	nt Type										
TI		Gage			Drill Pipe	Single	S							1															
TO		ODC			Kelly Down			Remar	ks:					1					-										
MDC Re	eason	Pulled			Total																								
LOC Total	al Run	(m/hr)			Weight of DC									1															
BRG					Weight of String									1						Remar	ks:								
METRES DRIL	LLE	D		HC	DLE CONDI	TION													_										
From To D-R	R-C	RPM	WOB	Ho	le Drag Up 🗌	D	own 📃				IMP S)	l															
				Torqu	ue at Bottom			Pump N	lo. Pre	ssure	Strokes/n	nin De	epth	Boiler															
					on Bottom					@	0	9		Boiler #	Hours	Bun	рН	1.51	ack Temp	SAF	ETY								
								<u>ال</u>		@	Q			00.101 #			P11	1	aon romp				5	afety Topic			M	1ehl	MACP
										@	0	₽				1		1		Connect	tions/FI	uid Transf	er					79.00kdaN	297

FOUR 2 s	GNATUR	e of	DRILLER						SYLV	AIN ARSE	ENAULT								ST	ART		08:00	END		20:00
BITS		DF	RILLING AS	SEMB	LY	MUD	REC	ORD)			DEVIATIO					TIM	ELC	G						
Bit Number		No	Component	OD ID	Length		М	lud Type	Wate	r 🗌 0i		Time Depth [leviation	Direction	T	уре	From	To	Elapsed	Code		Details of O	perations in S	Sequence & Rema	rks
Size									Other [13:15 2704.68m	89.8	298.1					1						
IADC Code								Time				13:30 2719.31m	89.1	297.1					1						
Manufacturer							[Density				14:00 2733.93m	90.1	299					1						
Туре						F	ⁱ unnel Vi	scosity				14:30 2748.56m	90.6	298.5					1	1					
Serial No						1	Flui	id Loss				14:45 2763.18m 15:15 2777.81m	90.5 91.2	299.5 300.7					1	1					
Jets						1		pН				15:30 2792.43m	91.2	299.8					1						
						Loca	ation of S	Sample				SOLIDS C								1					
Depth Out (m)								Depth				Equipment	Hours	Intake	Over Flow	Under Flow			1		İ				
Depth In (m)								PVT				Name	Run	Density	Density	Density			1		İ				
Total Drilled (m)						CIRC	ULA	TION											1	1	İ				
Hrs Run Today										Pressure	Hours Rur														
umulative Hrs Run						<u> </u>				1		i							1		İ				
Entry Date												MUD MAT		S ADD					1		İ				
UTTING STRUC	TURE		Drill Pipe	Stands								1	Product		Am	ount Type			1		İ				
TI	Gage		Drill Pipe	Singles								1							1	1					
TO	ODC		Kelly Down			Remark	(S:					1					+								
IDC Reason	Pulled		Total									1							1		İ				
_OC Total Run	ı (m/hr)		Weight of DC			<u> </u>													1		İ				
BRG			Weight of String														Remar	ks:							
ETRES DRILLE	D	н	LE CONDI									1													
rom To D-R-C	RPM WOB		le Drag Up	Do	wn	RED	UCEI	D PU	MP S	SPEED)	l													
			ue at Bottom			Pump N	o. Pres	sure S	strokes/	min D	epth														
		<u> </u>	on Bottom			-		@	(0		Boiler	Harry D		-11	Ole als Tanan	SAF	ETY							
			UII DOLLOIII					@	(2		Boiler #	Hours R	un	рН	Stack Temp	-			S	afety Topic			MEHL	MACP
		1						@	0	2		1					DRIVIN	G SAFI	ELY					83.00kda	N 297

TOUR 3	SIGNATURI	E OF DRILLER						JOSH G	GILBER	l.								ST/	RT 1		ТІМЕ	24:00
BITS		DRILLING AS	SEME	BLY	MUD REC	CORE)			DEVIAT					1	ГІМЕ	LOG	1				
Bit Number		No Component	OD ID	Length	N	Aud Type	e Water	0i		Time Dept	Deviation	Direction	1	уре	F	From 1	Γo E	lapsed	Code	Details of Operations in S	Sequence & Remarks	
Size]		Other 🗌															
IADC Code						Time				1									Î			
Manufacturer]	Density]—— —					-C							
Туре					Funnel V						+				ΗC							
Serial No					Flu	id Loss									ΗC							
Jets]	pН																
					Location of					SOLIDS	CONTR	ROL										
Depth Out (m)]]	Depth				Equipmen	t Hours	Intake	Over Flow	Under Flo	w							
Depth In (m)						PVT				Name	Run	Density	Density	Density	/							
Total Drilled (m)					CIRCULA	TION	l				_											
Hrs Run Today					Pump# Type	Liner Size	SPM	Pressure	Hours Rur	1	_				-L							
Cumulative Hrs Run																						
Entry Date										MUD M	ATIERIA Produc			ount Typ								
CUTTING ST		Drill Pipe	Stands							J	Produc	L	AII	ount typ	e							
П	Gage	Drill Pipe	Singles	6																		
то	ODC	Kelly Dowr			Remarks:																	
	Reason Pulled	Tota																				
	tal Run (m/hr)	Weight of DC																				
BRG		Weight of String								J					F	Remarks:						
METRES DR		HOLE COND	ITION																			
From To D-	-R-C RPM WOB	Hole Drag Up	Do	own	REDUCE																	
		Torque at Bottom			Pump No. Pres			_	epth	Boiler												
		Fill on Bottom			1	@	@			Boiler #	Hours	Run	рН	Stack Tem	p E	SAFET	ſY					
					·	@	@	_											Sa	afety Topic	MEHL	MACP
		J				@	@								S	OUR BOP	DRILL	L			85.00kdaN	3029kPa
V. 1.3																						3 of (

			FROM	IT PAC	àe sum	IMARY	7				heet Serial 9_2016051			/endor Soft ason	ware Ver	rsion		Year 2016	Month 05	11	DAILY C 1) Daily Walk Ar 2) Detailed Insp	ound Inspect	tion	eck List)	OP R			I \	
License No	V	Vell Name								Surfac	e Location			F	rov L	oc Type	Unique We	ell Id			3) H2S Signs Po	sted if Requi	ired	,		_ (CAC	DC)	
31606	PA	RKLAND C5	-09-81-16W	/6						05-09-08	31-16W6			B	C D	LS	103/14-08	8-081-16W6	/00		 Well Licence Flare Lines S 		ram Posted		\vdash	_ `			
Operator							0	Contractor						Rig No	V	Vell Type			R		5) Fiare Lilles 5 5) BOP Drills Pe				\vdash	_			
ARC RESOU	IRCES						P	RECISION	DRILLING,	DIV OF PE	DCLP			529	F	HORIZ					7) Visually Inspec		lare Lines & D	egasser Lines					
Operator's A 16DRL0036	IFE						C 8	Contractor's 84	Job No							Spud Date Ti 016/05/04 23					1) Rig Site Heal 2) CAODC Rig S	afety Inspect	tion Checklist	(one/rig/mo	nth)	- /	Jas	on)
Signature of	f Opera	tor Represen	itative				S	Signature o	Contractor	's Rig Man	ager				F	Rig Release	Date Time				 Mast Inspect Crown Saver 		aising or Low	ering		_	D		
Dean Boehne	ert						N	MARC RAY	MOND												 Grown Saver Motor Kills Cl 					_	Pa	ison	
CODE		2	3	4	5	6	-	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		Kelly Bushing	Op Fuel	Ĩ
CODE _	-																								23		FUEL @	08:00 HOUR	5
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillstem Test	I Plug Back	Squeeze Cement	Fishin	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	ΤΟΤΑΙ	Rig	Boiler	ĺ
n Tour 1		5.25					0.25													2.	25 0.25					8.0	10 🛱 ^{Time}	Тетр	
Tour 2		8.00					0.25											1		3.	50 0.25		1		1	12.0	O Current Co	nditions	
Tour 3		2.50					0.25													1.	00 0.25						Wind Direr	tion Wind Strength	
Total		15.75					0.75													6.						24.0	Road Cons	ition	Ĩ
		-																		· · · ·	•								1

TOUR 1		SIGN	IATUF	RE O	FC	DRILLEF	2							JASC	ON GILES										S1	ART	ТІМЕ		00:00		END T	IME		08:00
BITS				D	RI	LLING A	SSE	MB	LY	MUE	RE	CORI)			DE	VIATI	ON SU	RVEYS				тімі	E LO	G									
Bit Number	r			No)	Component	0	D ID	Length		Ν	lud Typ	e Water	· 🗌 (Dil 🗌	Time	Depth	Deviation	Direction		Тур	е	From	To	Elapsed	d Code		De	tails of O	peratio	ns in Seq	uence &	Remarks	
Size	e 🗌				Τ								Other																					
IADC Code	e 🗌											Time]—																		
Manufacturer	r											Density]—				-														
Туре										F	unnel V]—																		
Serial No											Flu	id Loss								1														
Jets	5											рH																						
										Loca	ation of	Sample				SO	LIDS	CONTR	ROL															
Depth Out (m)												Depth					uipment	Hours				Under Flow												
Depth In (m)												PVT				Î	Name	Run	Densit	/ Dei	nsity	Density												
Total Drilled (m)	′ –									CIRC	ULA	TION						_																
Hrs Run Today	/									Pump#	Туре	Liner Siz	e SPM	Pressur	e Hours Ru	۱ <u> </u>		_		_														
Cumulative Hrs Run																	-																	
Entry Date																MU	D MA		LS AD	DED														
CUTTING ST	RU	CTUF	RE .			rill Pipe		tands]—		Produc	t		Amou	nt Type												
п		Gag			D	rill Pipe		ingles														-												
TO		ODO				Kelly Dov				Remar	KS:																							
		on Pulle				Tot																												
	otal Ru	ın (m/hr)			Weight of E																												
BRG						Veight of Stri															-		Remar	ks:										
METRES DR			_			E CON	DITI	ON							_																			
From To D)-R-C	RPM	WO	3 1	lole	Drag Up		Dov	wn				MP S																					
		<u> </u>		Tor	que a	at Bottom				Pump N	o. Pre:		Strokes/r	_	Depth	Boi	ler				•			_										
		<u> </u>	_	F	ill or	n Bottom					_	@	6	_			iler #	Hours	Run	pН	St	tack Temp	SAF	ETY										
		<u> </u>	_							<u> </u>	_	@	6	_													afety Topic					MEHL		MACP
												@	6	9									Connect	tions/Fl	uid Transf	er						79.	.00kdaN	2979

TOUR 2 SIGNATUR	E OF DRILLER					SYLVA	IN ARSENA	ULT							ST	ART			20:00
BITS	DRILLING AS	SEMBL	Y MU	D RE(CORD)		DEVIAT					TIM	E LO	G		i i		
Bit Number	No Component	OD ID	Length	N	Aud Type	Water	🗌 0il 🗌	Time Depth	Deviation	Direction	Ţ	/pe	From	To	Elapsed	Code	Details of Operation	is in Sequence & Remarks	
Size						Other 🗌		16:00 2807.06											
IADC Code					Time			16:30 2821.68		1 300.9					1				
Manufacturer					Density			16:45 2836.31		200.0									
Туре				Funnel V	iscosity			17:15 2850.93								1			
Serial No				Flu	id Loss			17:45 2865.56								1			
Jets					pH			18:30 2894.81											
	1		Lo	cation of	Sample			SOLIDS											
Depth Out (m)					Depth			Equipmen			Over Flow	Under Flow							
Depth In (m)					PVT			Name	Run	Density	Density	Density							
Total Drilled (m)			CIR	CULA	TION										1	1			
Hrs Run Today				# Type		SPM	Pressure Hou	s Run											
Cumulative Hrs Run															1				
Entry Date								MUD M											
UTTING STRUCTURE	Drill Pipe	Stands		1	1				Produc	:t	Am	ount Type				1			
TI Gage	Drill Pipe	Singles						—				_				1			
TO ODC	Kelly Down		Rema	irks:				_				_				1			
ADC Reason Pulled	Total														1				
LOC Total Run (m/hr)	Weight of DC																		
BRG	Weight of String												Remar	ks:					
IETRES DRILLED	HOLE CONDI																		
rom To D-R-C RPM WOB	Hole Drag Up	Down	RE	DUCE	D PUI	MP SI	PEED												
	Torque at Bottom		Pump	No. Pres	ssure S	trokes/m	in Dept	Boiler											
	Fill on Bottom				@	@		Boiler #	Hours	Dup	рН	Stack Temp	SAF	ETY	_	_			
					@	@		Boller #	riours	nuli	pn	Statik Temp				S	afety Topic	MEHL	MACP
	1				@	@							DRIVIN	G SAFE	LY			83.00kdaN	297

TOUR	र उ	SIGN	IATUR	e of	DRILLER								JOSH	H GILBER	27									ST	ART			24:00
BITS				DR	RILLING AS	SEI	MBL	Y.	MU) RE	COR	D			DE	VIATI	ON SU	RVEYS			1	ТІМЕ	E LO	G				
Bi	t Number			No	Component	0D	ID	Length		Ν	/lud Typ	e Wate	r 🗌	0il	Time	Depth	Deviation	Direction		Туре	F	From	To	Elapsed	Code	Details of Operations	in Sequence & Remarks	
	Size								11			Other [
14	DC Code										Time													1	1			
Man	ufacturer					Τ]		Density	r 🗌				-					—Г							
	Туре] F	Funnel V						-												
	Serial No]	Flu	uid Loss																	
	Jets]		рH										-							
									Loci	ation of	Sample				SO	LIDS	CONT	ROL										
	h Out (m)]]		Depth					uipment	Hours			w Under Fl								
	oth In (m)										PVT	1				Name	Run	Density	Density	/ Densit	у							
	rilled (m)								CIRC	ULA	TION						_			_								
	un Today								Pump#	Туре	Liner Si:	ze SPM	Pressu	ire Hours Ri	JN		_		-	_	—L							
Cumulative																												
	ntry Date														MU			LS AD		T								
CUTTIN	G STR				Drill Pipe		ands										Produc	t	A	nount Typ	De							
TI	_	Gag			Drill Pipe		igles																					
TO	_	ODO			Kelly Down				Remar	ks:																		
MDC		eason Pulle			Total																							
LOC	Tota	al Run (m/hr)		Weight of DC																_							
BRG					Weight of String																F	Remark	IS:					
METRE			_		LE COND	ITIO			<u> </u>																			
From	To D-I	R-C RPM	WOB	Hol	le Drag Up		Dowr	1				IMP S																
			_	Torqu	e at Bottom				Pump N	o. Pre:	~	Strokes/		Depth	Boi	iler						_						
				Fill	on Bottom				J——	-	@		0		B	oiler #	Hours	Run	pН	Stack Terr	1p	SAFE	ETY					
									—	-	@	_	0													Safety Topic	MEHL	MACP
1				1					1		@		0		11		1				s	OUR BO	OP DR	11.1			85.00kdaN	3029kPa

			FROM	IT PAG	AE SUM	IMARY	7				heet Serial 9_2016051			/endor Soft ason	ware Ver	sion		Year 2016	Month 05	11 1	Daily Walk Arc	ound Inspect	ion		OP R	\neg		
License No	We	ell Name								Surfac	e Location			ł	Prov L	oc Type	Unique We	ll Id			H2S Signs Po			,		-	CAO	DC
31606	PAF	RKLAND C5-	09-81-16W	6						05-09-0	81-16W6			E	IC D	LS	103/14-08	-081-16W6	/00		Well Licence		ram Posted					
Operator							0	Contractor						Rig No	V	Vell Type			Re) Flare Lines St) BOP Drills Per					-		
ARC RESOL	JRCES						P	RECISION	DRILLING,	DIV OF PI	DCLP			529	F	IORIZ					Visually Inspec		lare Lines & D	egasser Lines				
Operator's A 16DRL0036	\FE						08	Contractor's 84	; Job No							Spud Date Ti 016/05/04 23				2) Rig Site Healt) CAODC Rig Sa	afety Inspect	ion Checklist	(one/rig/mor	nth)	P	aso	
Signature of Dean Boehn		or Represen	tative					Signature o MARC RAY	f Contractor MOND	's Rig Man	ager				F	Rig Release I	Date Time			4) Mast Inspecti) Crown Saver) Motor Kills Ch	Checked	iising or Lowe	ering	E	_	Pasc	n
CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		Kelly Bushing	Op Fuel
	D'-	D-//I			0		D's	Denein	0.1.0%	David	MeasPass	Due Ore	W-'1 O-	Mercle He	Test	Deflicters	Dive	0		Dis	Orfets	Terr	Mathias	D'-			FUEL @ 0	3:00 HOURS
	Rig Un	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Big	Cut Off Drila Line	Dev Survev	Loas	Run Csg & Cement	Cement	BOP	Test BOP	Drillstem Test	I Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL	Rig	Boiler
n Tour 1		5.25					0.25												1	2.2						8.0		Temp
Tour 2		8.00					0.25							1					1	3.5	0 0.25					12.0	Current Condition	
Tour 3		2.50					0.25										1			1.0	0 0.25					4.0	Wind Direction	Wind Strength
Total		15.75	ĺ				0.75							1			Î	1		6.7	5 0.75				İ	24.0	Poad Condition	

TOUR 1		SIGI	TAT	URE	OF	DRILI	LER							JAS	ON GILE	s									SI	ART	TIME 00:00 EN	D TIME	08:00
BITS					DR	ILLIN	G AS	SEM	BLY	MU	D RE	COR	D			DE	VIATI	ON SUI	RVEYS				ТІМ	E LO	G				
Bit Number					No	Compo	nent	OD	ID Leng	h		Mud Ty	oe Wate	er 🔲	0il 🗌	Time	Depth	Deviation	Direction		Туре		From	To	Elapsed	d Code	Details of Operations in	Sequence & Remarks	
Size													Other [
IADC Code												Tim	е			1									1				
Manufacturer												Densit	у]—													
Туре											Funnel \		´ L																
Serial No											FI	uid Los	s																
Jets												pl	1																
										Lo	ation of	Sampl	e			SO	LIDS	CONTR	ROL										
Depth Out (m)												Dept					uipment	Hours	Intake	Over I	low l	Under Flow							
Depth In (m)												PV					Name	Run	Density	Dens	sity	Density							
Total Drilled (m)											CULA							_	_	-	_								
Hrs Run Today										Pump#	Туре	Liner S	ize SPM	Pressu	ure Hours Ru	n		-		-									
Cumulative Hrs Run																													
Entry Date																MU		TERIA Produc			Amour	nt Type							
CUTTING STR	RU					Drill Pipe		Stan										FIUUUL	ι		AIIIUUI	it type							
П		Gag				Drill Pipe		Singl	es																				
TO		0D				Kelly	y Down			Rema	rks:																		
		on Pulle					Total															_				-			
	ital Ki	ın (m/h	r)				it of DC			_												-							
BRG		- 12				Weight of																	Remar	KS:					
METRES DR						LE CO							JMP \$		- D														
From To D-	-R-C	RPN	1 1	VOB		e Drag	Up	_	Down				Strokes		Depth														
			+			e at Bottom					vo. Pre	essure @		min @	Depth	Boi	ler						SAF	FTV					
			+		Fill	on Bottom	1				_	@		e 0		Bo	oiler #	Hours I	Run	pН	Sta	ack Temp	SAF	E1 Y			afety Topic	MEHL	MACP
			+									@		0		╢——									uid Transl		arery ropic	79.00kdaN	2979kP
		1										e e		5									Connect	uons/Fi	uia i ransi	er		/9.00kdain	2979KP

TOUR 2 SIGNATUR		SYLVAIN ARSENAUL		START TIME	08:00 END TIME 20:00
BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	
Bit Number	No Component OD ID Length	h Mud Type Water 🗌 Oil 🗌	Time Depth Deviation Direction Type	From To Elapsed Code	Details of Operations in Sequence & Remarks
Size		Other	18:45 2909.43m 90.4 299.4		
IADC Code		Time	19:15 2924.06m 91.3 299.7		
Manufacturer		Density	19:45 2938.68m 91.2 298.2		
Туре		Funnel Viscosity			
Serial No		Fluid Loss			
Jets		pH			
		Location of Sample	SOLIDS CONTROL		
Depth Out (m)		Depth	Equipment Hours Intake Over Flow Under Flow		
Depth In (m)		PVT	Name Run Density Density Density		
Total Drilled (m)		CIRCULATION			
Hrs Run Today		Pump# Type Liner Size SPM Pressure Hours Ru			
Cumulative Hrs Run					
Entry Date			MUD MATERIALS ADDED		
CUTTING STRUCTURE	Drill Pipe Stands		Product Amount Type		
TI Gage	Drill Pipe Singles				
TO ODC	Kelly Down	Remarks:			
MDC Reason Pulled	Total				
LOC Total Run (m/hr)	Weight of DC				
BRG	Weight of String			Remarks:	
METRES DRILLED	HOLE CONDITION				
From To D-R-C RPM WOB	Hole Drag Up Down	REDUCED PUMP SPEED		-	
	Torque at Bottom	Pump No. Pressure Strokes/min Depth	Boiler		
	Fill on Bottom			SAFETY	
			Boiler # Hours Run pH Stack Temp	Safety Topic	MEHL MACP
	1	@ @		DRIVING SAFELY	83.00kdaN 2979

TOUR	J .	SIGN	ATURE		KILLER								JOSH	GILBER										31	ARI		20:00	ENI			24:00
BITS				DRI	LLING AS	SEI	ΜВ	LY	MUD	REC	CORE)						RVEYS				ТІМ	E LO	G							
Bit N	umber			No	Component	0D	ID	Length	1	N	lud Type	Water	r 🗌 0	il 🗌	Time	Depth	Deviation	Direction		Туре		From	To	Elapsed	Code	3	Details of Op	erations in	Sequence &	Remarks	
	Size								11			Other 🗌			1											1					-
IAD	C Code										Time				1—									1							
Manuf	acturer					Τ]		Density				┣—	-															
	Туре					Τ			F	unnel V	iscosity				┣—										1						
Se	rial No]	Flu	id Loss				┣									1							
	Jets]		pН					1															
									Loca	tion of	Sample				SO	LIDS	CONT	ROL													
Depth (Dut (m)]		Depth				Eq	uipment	Hours	s Intake	Over Fl	ow Unde	er Flow										
Depth	In (m)]		PVT				<u>ľ</u>	Name	Run	Densit	Densi	ty De	ensity										
Total Dril	ed (m)								CIRC	ULA	TION																				
Hrs Rur									Pump#	Туре	Liner Siz	SPM	Pressure	Hours Ru	n			-	-	_											
Cumulative H																															
	y Date											1	Ì	1	MU			LS AD													
CUTTING	STRU	CTUR	3	D	rill Pipe	Sta	ands								1—		Produ	ct	/	mount	lype										
TI		Gage		D	rill Pipe		gles								1—																
TO		ODC		1	Kelly Down				Remark	IS:																					
MDC		on Pulled		1	Total																	İ									
LOC	Total P	tun (m/hr)			Weight of DC																										
BRG				V	leight of String	1									1—							Remar	ks:								
METRES	DRILL			HOL	E COND	ITIO	N																								
From To	D-R-C	RPM	WOB	Hole	Drag Up 🗌		Dow	vn	RED																						
				Torque a	at Bottom				Pump N	o. Pres			_	lepth	Boi	ler			,												
				Fill or	Bottom				1		@	6	-			oiler #	Hours	Bun	рН	Stack	Temp	SAF	ETY			,		,			,
				<u> </u>					ʻL		@		2									1				Safety Topic			MEHL		MACP
											@	C	2									SOUR E	BOP DF	RILL					85	.00kdaN	3029kP

DRILL ASSEMBLY & SPECIAL EVENTS - ADDIT		Vendor Software Version Pason	Year Month Day 2016 05 11	CAODC
License No Well Name 31606 PARKLAND C5-09-81-16W6	Surface Location 05-09-081-16W6		ue Well Id 4-08-081-16W6/00	
Operator ARC RESOURCES	Contractor PRECISION DRILLING, DIV OF PDCLP	Rig No Well Type 529 HORIZ	Re-Entry	
Operator's AFE 16DRL0036	Contractor's Job No 84	Spud Date Time 2016/05/04 23:00		pason
Signature of Operator Representative Dean Boehnert	Signature of Contractor's Rig Manager MARC RAYMOND	Rig Release Date T	lime	Pason

DR	LLING ASSEMBLY		то	UR 1	DR	LLING ASSEMBLY		то	JR 2	DRI	LLING ASSEMBLY		то	JR 3
No	Component	OD	ID	Length	No	Component	OD	ID	Length	No	Component	OD	ID	Length
1	BIT	171.00	0.00	0.23	1	ВІТ	171.00	0.00	0.23	1	BIT	171.00	0.00	0.23
1	MOTOR	127.00	0.00	9.04	1	MOTOR	127.00	0.00	9.04	1	MOTOR	127.00	0.00	9.04
1	SLIDE REAMER	152.00	0.56	1.43	1	SLIDE REAMER	152.00	0.56	1.43	1	SLIDE REAMER	152.00	0.56	1.43
1	NM SLICK MONEL	120.00	69.00	9.32	1	NM SLICK MONEL	120.00	69.00	9.32	1	NM SLICK MONEL	120.00	69.00	9.32
1	GAP SUB	126.00	69.00	1.71	1	GAP SUB	126.00	69.00	1.71	1	GAP SUB	126.00	69.00	1.71
1	NM SLICK MONEL	120.00	69.00	9.27	1	NM SLICK MONEL	120.00	69.00	9.27	1	NM SLICK MONEL	120.00	69.00	9.27
1	NM SLICK MONEL	117.00	69.00	9.26	1	NM SLICK MONEL	117.00	69.00	9.26	1	NM SLICK MONEL	117.00	69.00	9.26
1	X/O	134.00	61.00	0.94	1	Х/О	134.00	61.00	0.94	1	X/O	134.00	61.00	0.94
1	5 SINGLES OF DP	114.00	97.00	48.75	1	5 SINGLES OF DP	114.00	97.00	48.75	1	5 SINGLES OF DP	114.00	97.00	48.75
1	X/O	134.00	62.00	0.96	1	X/O	134.00	62.00	0.96	1	X/O	134.00	62.00	0.96
1	JARS-HYD/MECH	133.00	57.00	5.50	1	JARS-HYD/MECH	133.00	57.00	5.50	1	JARS-HYD/MECH	133.00	57.00	5.50
1	X/O	134.00	68.00	0.94	1	X/O	134.00	68.00	0.94	1	X/O	134.00	68.00	0.94
1	167 SINGLES OF DP	114.00	97.00	1628.25	1	167 SINGLES OF DP	114.00	97.00	1628.25	1	167 SINGLES OF DP	114.00	97.00	1628.25
1	36 SINGLES OF HWDP	114.00	73.00	336.96	1	36 SINGLES OF HWDP	114.00	73.00	336.96	1	36 SINGLES OF HWDP	114.00	73.00	336.96
14	Drill Pipe		Stands	429.00	30	Drill Pipe		Stands	906.75	35	Drill Pipe		Stands	1023.75
0	Drill Pipe		Singles	0.00	0	Drill Pipe		Singles	0.00	0	Drill Pipe	1	Singles	0.00
	Kelly Down			-3.00		Kelly Down			-27.31		Kelly Down			-11.31
	Total			2488.56		Total			2942.00		Total			3075.00
	Weight of DC			0.00		Weight of DC			0.00		Weight of DC			0.00
	Weight of String			71.00		Weight of String			71.00		Weight of String			71.00

SPECIAL	EVENTS			
Tour No.	Event No.	Description	Time	Depth

о.		MUD S	AMPLE -	ADDITIO	NAL DAT	Α			Sheet Serial		Vendor S	oftware V	ersion			Month Day		
1. N							0		29_20160511	_1A	Pason	5			2016	05 11		
License No								urface Location	n			Prov	Loc Type					
31606	PARKLAN	D C5-09-81-16	W6					-09-081-16W6				BC	DLS		-081-16W6			
Operator						Contractor						Rig No	Well Type			Re-Entry		
ARC RESO	URCES					PRECISION	I DRILLING, DI	IV OF PDCLP				529	HORIZ					
Operator's	s AFE					Contractor	r's Job No						Spud Date	e Time			pas	ion
16DRL0036	;					84								2016/0	5/04 23:00			
Signature	of Operator Rep	resentative				Signature	of Contractor	's Rig Manage	r				Rig Releas	se Date Tir	ne			
Dean Boehr	nert					MARC RAY	MOND										Pa	ason
του	B 1		MUD TY	P= INVER	Г				WATER	01	L x	OTHE	IR					
	Time	02:00	04:00	06:00														
	Density	1240kg/m3	1230kg/m3	1240kg/m3														
F	Funnel Viscosity	54s/l	54s/l	54s/l														
	Fluid Loss																	
	Fluid pH																	
Loca	ation of Sample	SHAKERS	SHAKERS	SHAKERS														
	Depth																	
	PVT																	
	Туре																	
Test 1	(Ex: Chlorides)																	
	Value																	
T I O	Type (ex: Sand%)																	
Test 2 –	Value																	
	Type (ex: Hard Ca)																	
Test 3 -	Value																	
-	Туре																	
Test 4	(ex: Sulfides)																	
	Value																	
MUD SAN	MPLE REMARK	(S																

		MUD S	AMPLE -	ADDITIO	NAL DAT	A			Sheet Serial 29_20160511		Vendor S	oftware V	ersion			Month Day		
License N	o Well Nam	<u>^</u>					Su	Inface Location		_1A	Pason	Prov	Loc Type		2016	05 11		
									I							100		
31606	PARKLAN	D C5-09-81-16	VV6					09-081-16W6				BC	DLS		8-081-16W6			
Operator						Contractor						Rig No	Well Type			Re-Entry		
ARC RESO							DRILLING, DI	V OF PDCLP				529	HORIZ					
Operator's						Contractor	's Job No						Spud Date	e Time			pas	ion
16DRL0036						84									05/04 23:00			
Signature	of Operator Rep	resentative				Signature	of Contractor'	s Rig Manage	r				Rig Releas	se Date Tir	ne			
Dean Boeh	nert					MARC RAY	MOND										Pa	ason
του	R 2		MUD TY	Pe Inver	Г				WATER	OI	L _X	OTHE	R					
	Time	13:00	16:00	18:30														
	Density	1230kg/m3	1220kg/m3	1240kg/m3														
F	Funnel Viscosity																	
	Fluid Loss																	
	Fluid pH																	
Loca	ation of Sample	SHAKERS	SHAKERS	SHAKERS														
	Depth	2692m																
	PVT	46m3																
	Туре																	
Test 1	(Ex: Chlorides) Value																	
-	Туре																	
Test 2	(ex: Sand%)																	
-	Value																	
Test 3 -	Type (ex: Hard Ca)																	
	Value																	
Test 4 -	Type (ex: Sulfides)																	
103(4	Value																	
MUD SA	MPLE REMAR	(S																

		MUD S	AMPLE -	ADDITIC	NAL DAT	Ά			Sheet Serial		Vendor S	oftware V	ersion	Ň		Month Day		
									29_20160511	_1A	Pason	2			2016	05 11		
License No								Irface Location	n			Prov	Loc Type					
31606	PARKLAN	D C5-09-81-16V	V6				05-	09-081-16W6				BC		103/14-08-0	081-16W6			
Operator						Contractor						Rig No	Well Type			Re-Entry	'	
ARC RESOL	JRCES					PRECISION	DRILLING, DI	V OF PDCLP				529	HORIZ					
Operator's	AFE					Contractor	's Job No						Spud Date	Time			pas	ion
16DRL0036						84								2016/05	/04 23:00			
Signature of	of Operator Rep	resentative				Signature	of Contractor'	's Rig Manage	r				Rig Releas	e Date Tim	е			
Dean Boehn	nert					MARC RAY	MOND										Р	ason
TOU	R 3		MUD TY	PE INVER	T				WATER	OI	L _X	OTHE	R					
	Time	20:00																
ĺ	Density	1240kg/m3																
F	unnel Viscosity	52s/l																
	Fluid Loss																	
	Fluid pH																	
Loca	ation of Sample	SHAKERS																
	Depth	2941m																
	PVT																	
	Туре	59m3																
Test 1	(Ex: Chlorides)																	
_	Value Type																	
Test 2 –	(ex: Sand%)																	
	Value																	
Test 3 –	Type (ex: Hard Ca)																	
	Value																	
Toot 4	Type (ex: Sulfides)																	
Test 4 –	Value																	
MUD SAN	IPLE REMARK	(S																

V. 1.1

			FROM	NT PAC	AE SUM	MARY	r				heet Serial 9_2016051			/endor Soft ason	tware V	ersion		Year 2016	Month 05	12 1	Daily Walk Arc Detailed Inspe	ound Inspect	tion	neck List)		\neg	
License No	W	Vell Name								Surfac	e Location			ł	Prov	Loc Type	Unique We	ell Id			H2S Signs Po			bon Libty	DB MR	- ((CAODC
31606	PA	ARKLAND C5	-09-81-16W	/6						05-09-0	81-16W6			E	BC	DLS	103/14-08	-081-16W6	/00		Well Licence		ram Posted		DB MR		
Operator							0	Contractor						Rig No		Well Type			R		Flare Lines St BOP Drills Per				DB MR		
ARC RESO	JRCES						F	RECISION	DRILLING,	DIV OF P	DCLP			529		HORIZ					Visually Inspec		lare Lines & D	legasser Lines	DB MR		
Operator's	AFE						0	Contractor's	s Job No							Spud Date 1	ïme				B. 01. 0				_		ason 🗋
16DRL0036							8	34								2016/05/04 2	3:00			2	Rig Site Healt CAODC Rig Sa	afety Inspect	tion Checklist	t (one/ria/mo	nth)		
Signature of	f Opera	ator Represen	tative				5	Signature o	f Contractor	's Rig Mar	ager					Rig Release	Date Time			3	Mast Inspecti	on before Ra					
Dean Boehn								ARC RAY													Crown Saver Motor Kills Ch				MB	_	Pason
																											Kelly Bushing Op Fuel 5.98 5375.00
CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	5 16	17	18	19	20	21	22	23	24	25		
	Ria	Drill			Cond Mud		Rig	Repair	Cut Off	Dev	Wireline	Bun Csa	Wait On	Nipple Up	Test	t Drillster	n Plug	Squeeze		Dir	Safety	Tear	Waiting	Rig			FUEL @ 08:00 HOURS
	Rig Up	Actual	Reaming	Coring	& Circ	Trips	Service	Rig	Drilg Line	Survey	Logs	& Cement	Cement	BOP	BOF	P Test	Back	Cement	Fishing	Work	Meeting	Down	On	Watch	Other	TOTAL	16500.00 Boller 0.00
Tour 1 Tour 2 Tour 3 Total		5.00					0.25													2.5	0.25					8.00	H Time 05:00 6.00
Tour 2		6.50		1	1.25		0.25							1	1			1		3.7	5 0.25			1	1	12.00	Current Conditions CLEAR
B Tour 3					0.25	3.25															0.25					4.00	
Total		44.50																-									Road Confilian
Total		11.50			1.50	3.25	0.75													6.2	5 0.75					24.00	GOOD
													1														

TOUR 1	SIGN/	TURE	OF	DRILLER						J	OSH GILBER									STA	RT TIN	E or	0:00		08:00
BITS			DR	ILLING AS	SEME	BLY	MUD	REC	ORD)		DEVIATI	ON SUF	RVEYS				TIM	E LOG						
Bit Number	r 5		No	Component	OD ID	Length		М	ud Type	Water	0il x	Time Depth	Deviation	Direction		Туре		From	To E	lapsed C	ode	Detail	ls of Operati	ons in Sequence & Remarks	
Size	е	159	1	BIT	171	0 0.23m	1			Other 📃		00:153084.93m	90.7	295.6				00:00	05:00	5.002	DRIL	159mm LATERAL	SECTION F	ROM 3075M- 3321M	
IADC Code	e		1	MOTOR	127	0 9.04m			Time	01:	00 05:00	00:303099.56m	91.1 89.3	295.4 296				05:00	07:30	2.5020	A DIRE	CTIONAL SURVEY	S/ CONNEC	TIONS	
Manufacturer	r REED		1	SLIDE REAMER	152	1 1.43m			Density	12	40 1240	01:003114.18m 01:453128.81m	89.3	296				07:30	07:45	0.257	RIG	ERVICE /FUNCTIO	ON ANNULA	R/ 22 SECONDS TO CLOSE	
21.1	B SK413M-A1G		1	NM SLICK MONEL	120 6	9 9.32m	F	unnel Vi		51	s/l 52s/	02:003143.43m	87.1	296				07:45	08:00	0.2521	SAF	TY MEETING /CRE	W CHANGE	EMEETING	
Serial No	D	E201897	1	GAP SUB	126 6	9 1.71m		Flui	id Loss			02:303158.06m	87.9	295.8											
Jets	s 9.5 9.5	9.5 9.5	1	NM SLICK MONEL	120 6	9 9.27m			pН			03:003172.68m	88.6	298.2											
			1	NM SLICK MONEL	117 6	9 9.26m	Loca	ation of S		SHAKER	S SHAKERS	SOLIDS	CONTR	OL											
Depth Out (m)	·		1	X/O	134 6	1 0.94m			Depth	3110	lm 3231n		Hours	Intake	Over Flow										
Depth In (m)		2117	\mapsto	5 SINGLES OF DP	114 9				PVT	52r	n3 52m3		Run	Density	Density		. ,								
Total Drilled (m)	·	1204	\mapsto	X/O	134 6			ULA	ΓΙΟΝ			CENTRIFUGE	4.5	5 1250	12	00	1720								
Hrs Run Today		5.00	\vdash	JARS-HYD/MECH	133 5		Pump#	Туре	Liner Size		Pressure Hours Ru	·	-												
Cumulative Hrs Run	·	26.00	\mapsto	X/O	134 6			COMBINED	114		20500	MUD MA	TEDIAL	C ADD											
	8 2016/05/10	_	\rightarrow	167 SINGLES OF DP		7 1628.25m	-	COMBINED	114	85	20500 7		Product	-5 ADD		nount	Type				_				
CUTTING ST			<u> </u>	Drill Pipe		1257.75m						LIME	FIUUUG		AI		EACH				_				
П	Gage		0	Drill Pipe	Singles							CLAYTONE					EACH				_				
TO	ODC			Kelly Down		0.69m	Remar	KS:				BARITE					EACH								
	Reason Pulled			Total		3321.00m						OPTI G				10	EACH				_				
LOC To BBG	otal Run (m/hr)			Weight of DC		0kdaN																			
				Weight of String		70kdaN]										S/LIMITS & CROW			
METRES DR		WOD		LE CONDI			DED			MP SP	FED													SPECT NOV ST-80 & ALL DRILL	
	D-R-C RPM	WOB		le Drag Up 🔄		wn 17				trokes/mi													OLD VALVE A	LIGNEMENT-FUNCTION FLAF	RE STACK IGNITER
3075m 3321m	DRILL 45	12kdaN		e at Bottom		9700.00Nm	Pump N	 Pres 2 6550 				Boiler								E BUGGY/	MONKEY	BOARD SRL			
		\vdash	Fill	on Bottom		0.00m		2 6550	@ @	85 @ @	3231	Boiler #	Hours R	lun	рН	Stack T	Temp	SAF	-11/		Safety	Topio		MEHL	MACP
									Q	a a		╢								OTIONO	odiety	Tohic		90.00kdaN	MAUP 3029kPa
									e e	l w								DERRIC	K CONNE	CHONS				90.00kdaN	3029kPa

TOUR 2 SIGNATURE		JASON GILES		START TIME 08:00 END TIME 20:00
BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number 5	No Component OD ID Length	Mud Type Water 🗌 Oil 🗴	Time Depth Deviation Direction Type	From To Elapsed Code Details of Operations in Sequence & Remarks
Size 159	1BIT 171 0 0.23m	Other	08:15 3333.56m 90.7 298.9	08:00 14:30 6.502 DRILL 159mm HOLE FROM 3321m TO 3566m
IADC Code	1MOTOR 127 0 9.04m	Time 08:00 11:3	08:45 3348.18m 91.5 298.1	14:30 18:15 3.7520A ACCUMULATED, DIRECTIONAL SURVEYS, WORK PIPE AND CONNECTIONS
Manufacturer REED	1SLIDE REAMER 152 1 1.43m	Density 1250 1250	09:00 3362.81m 92.4 298.9 09:45 3377.43m 90.9 298.2	18:15 19:30 1.255 CONDITION MUD & CIRCULATE BOTTOMS UP/HOLE CLEAN
Type SK413M-A1G	1NM SLICK MONEL 120 69 9.32m	Funnel Viscosity 50s/l 50s	09:45/3377.43m 90.9 298.2 10:00/3392.06m 91.3 298.6	19:30 19:45 0.25 7 RIG SERVICE - INSPECT/GREASE TOP DRIVE & DRAW WORKS, FUNCTION UPPER PIPI
Serial No E201897	1GAP SUB 126 69 1.71m	Fluid Loss	10:45/3406.68m 90.8 298.9	RAMS-5sec.T/C
Jets 9.5 9.5 9.5 9.5	1NM SLICK MONEL 120 69 9.27m	pH	11:15 3421.1m 92 300.4	19:45 20:00 0.25 21 CREW CHANGE SAFETY MEETING/PLAN FORWARD W/RIG MANAGER & ARC OSS
	1NM SLICK MONEL 117 69 9.26m	Location of Sample SHAKERS SHAKERS	SOLIDS CONTROL	
Depth Out (m)	1X/O 134 61 0.94m	Depth	Equipment Hours Intake Over Flow Under Flow	
Depth In (m) 2117	15 SINGLES OF DP 114 97 48.75m	PVT	Name Run Density Density Density	
Total Drilled (m) 1449	1X/O 134 62 0.96m	CIRCULATION	CENTRIFUGE 7 1240 1180 1910	
Hrs Run Today 6.50	1JARS-HYD/MECH 133 57 5.50m	Pump# Type Liner Size SPM Pressure Hours Run		
Cumulative Hrs Run 32.50	1X/O 134 68 0.94m	1combin- ED 114 85 20350 12		
Entry Date 2016/05/10	167 SINGLES OF 114 97 1628.25m	2COMBIN- ED 114 85 20350 12	Product Amount Type	
CUTTING STRUCTURE	51 Drill Pipe Stands 1491.75m		NEW VEX 10 EACH	
TI Gage	1 Drill Pipe Singles 9.75m		OPTIWET 1 EACH	
TOODC	Kelly Down 1.94m	Remarks:	NDFT BEADS 10 EACH	
MDC Reason Pulled	Total3566.00m		OPTIGLIDE 1 EACH	
LOC Total Run (m/hr)	Weight of DC OkdaN			
BRG	Weight of String 70kdaN			Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER
METRES DRILLED	HOLE CONDITION			INSPECT TOP DRIVE/ ELEVATORS/ BALES/ ALL OVERHEAD EQUPIMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT
From To D-R-C RPM WOB	Hole Drag Up 14 Down 18	REDUCED PUMP SPEED		INSPECT CHOKE LINES/HCR'S/KILL LINES/ CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IGNITER
3321m 3566m DRILL 45 12kdaN	Torque at Bottom 9700.00Nm	Pump No. Pressure Strokes/min Depth	Boiler	INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL
	Fill on Bottom 0.00m	1 6455 @ 85 @ 3495	Boiler # Hours Run pH Stack Temp	SAFETY Safety Topic MEHL MACP
		2 6550 @ 85 @ 3495		
		@ @		Connections 83.00kdaN 2979kP

TOUR 3	SIGNA	TURE	OF DRILLER							JOSH GILBEI	21									SI	ART		20:	00		1E	24:00
BITS			DRILLING AS	SEME	BLY	MUD	REC	ORD					ON SUF				•	тімі	E LO	G							
Bit Number	5		No Component	OD ID	Length		Mu	d Type	Water	0il 🗴	Time	Depth	Deviation	Direction		Туре		From	To	Elapsed	Code		Details	of Operat	tions in Sequen	ce & Remarks	
Size		159	1BIT	171	0 0.23m			01	ther								_Г	20:00	20:15	0.2	55	CIRCULATE BO	DTTOMS U	JP,SPOT L	UBRICITY		
IADC Code			1MOTOR	127	0 9.04m			Time	20:	00							[20:15	20:30	0.2	521B	REVIEW COP 2	-4 ON LAY	ING OUT	DRIL LPIPE		
Manufacturer	REED		1SLIDE REAMER	152	1 1.43m		De	ensity	12	50							—C	20:30	23:45	3.2	56F	LAY DOWN DR	ILL PIPE F	ROM 356	6M TO 2376M,	10MIN FC'S @	3566M/3379M.
Type	SK413M-A1G		1NM SLICK MONEL	120 6	9 9.32m	Fu	unnel Viso	cosity	52	!s/l							—C	23:45	24:00	0.2	57	RIG SERVICE,F	UNCTION	LOWER	PIPE RAMS,4 S	EC TO CLOS	E
Serial No	1	E201897	1GAP SUB	126 6	9 1.71m		Fluid	Loss									— [
Jets	9.5 9.5 9	9.5 9.5	1NM SLICK MONEL	120 6	9 9.27m			pН									— [
			1NM SLICK MONEL	117 6	9 9.26m	Locat	tion of Sa	imple s	SHAKER	S	SO	LIDS	CONTR	OL													
Depth Out (m)			1X/O	134 6	1 0.94m		[Depth	3566	6m		uipment	Hours	Intake	Over Flo												
Depth In (m)		2117	15 SINGLES OF DP	114 9	7 48.75m			PVT	48r	m3		Name	Run	Density	Density	/ Dens	ity										
Total Drilled (m)		1449	1X/O	134 6	2 0.96m	CIRC	ULAT	ION					_				[
Hrs Run Today			1JARS-HYD/MECH	133 5	7 5.50m	Pump#	Type Li	ner Size	SPM F	Pressure Hours R	un				-	_											
Cumulative Hrs Run		32.50		134 6	8 0.94m	1		114	0	0	0																
Entry Date			167 SINGLES OF DP	114 9	7 1628.25m	2		114	0	0	₀ MU	D MA	TERIA														
CUTTING STR	UCTURE		51 Drill Pipe	Stands	6 1491.75m								Product		Ai	mount Ty	/pe										
П	Gage		1 Drill Pipe	Singles	9.75m																						
TO	ODC		Kelly Down		1.94m	Remarks	s:										—L										
	eason Pulled		Total		3566.00m																						
	al Run (m/hr)		Weight of DC		0kdaN																						
BRG			Weight of String		70kdaN													Remark	ks: FUI	NCTION	TRAVEL	STOPS/LIMITS	& CROWN	I SAVER			
METRES DRI			HOLE CONDI	ΓΙΟΝ														NSPECT	T TOP D	RIVE/ ELE	ATORS/	BALES/ ALL OVER	HEAD EQU	IPIMENT-IN	ISPECT NOV ST-8	80 & ALL DRILL	FLOOR EQUIPMENT
From To D-F	R-C RPM	WOB	Hole Drag Up	D	own	REDU												NSPEC	т снок	E LINES/	HCR'S/K	ILL LINES/ CHECH	K MANIFOL	D VALVE	ALIGNEMENT-FI	UNCTION FLAP	RE STACK IGNITER
			Torque at Bottom			Pump No		_	_	n Depth	Boi	ler			1					APE BUG	GY/MC	NKEYBOARD SI	RL				
			Fill on Bottom					@	@			oiler #	Hours F	tun	рH	Stack Te	mp	SAF	ETY								
						·		@	@								_				5	Safety Topic			N	NEHL	MACP
								@	@									AY DO	WN DR	ILL PIPE						100.00kdaN	3029kPa

				FRON	T PAC	E SUM	IMARY	r			0Y5252	heet Serial 9_2016051	2_1A		/endor Soft ason				Year 2016	Month 05	12	DAILY C) Daily Walk An 2) Detailed Inspe	ound Inspected	tion ekly (Using Ch	neck List)	OP R	\exists		
License No		Well Nam										e Location						Unique We				8) H2S Signs Po					_	CAQ]	DCJ
31606	6 F	PARKLAN	D C5-0	9-81-16W	6						05-09-0	81-16W6			E	BC E	DLS	103/14-08	8-081-16W6			Well Licence) Flare Lines St		gram Posted			_ `		
Operator								C	ontractor						Rig No	1	Well Type			R		6) BOP Drills Per					_		
ARC RESO	URCE	S						P	RECISIO	DRILLING	DIV OF P	DCLP			529		HORIZ					7) Visually Inspec	ted BOPs - 1	Flare Lines & D	legasser Line:	s			
Operator's	AFE							C	ontractor	s Job No							Spud Date T	ïme) Rig Site Healt	h & Cofohr I	Monting (ono/	orow/month		- 0	aso	
16DRL0036	6							8	4							2	2016/05/04 2	3:00				2) CAODC Rig Si	afety Inspec	tion Checklist	t (one/rig/mc	onth)			
Signature of	of Ope	rator Rep	resenta	ative				s	ianature d	of Contractor	's Rig Mar	ader					Rig Release	Date Time				 Mast Inspecti 	on before R						
Dean Boehr									IARC RAY								J) Crown Saver 6) Motor Kills Ch				- F	_	Pason	
																												Kelly Bushing	Op Fuel
CODE	1	2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
	Die	g Di	rill			Cond Mud		Ria	Popair	Cut Off	Dev	Wirolino	Run Csg	Wait On	Ninnle I In	Test	Drillsten	n Plug	Squeeze		Dir	Safety	Tear	Waiting	Rig			FUEL @ 08:	OO HOURS
	Rig	Act	tual	Reaming	Coring	& Circ	Trips	Service	Repair Rig	Drila Line	Survey	Loas	& Cement	Cement	BOP	BOP	Test	Back	Cement	Fishing	Work	Meeting	Down	On	Watch	Other	TOTAL	Rig	Boiler
Tour 1			5.00					0.25												1	2.	50 0.25				1	8.00	Time	Temp
Tour 1 Tour 2 Tour 3			6.50			1.25		0.25												1	3.	1					12.00	Current Conditions	
	<u> </u>	-	0.50																	-								Wind Direction	Wind Strength
						0.25											_		_		_	0.25					4.00	Road Condition	
Total			11.50			1.50	3.25	0.75													6.	25 0.75			L		24.00	S	

TOUR 1		SIGN	ATUR	e of	DRILL	.ER							JOSł	H GILBER										ST	ART	TIME 00:00		08:00
BITS				DR	ILLING	AS	SEM	BLY	MU	D RE	CORI)			DEV	IATIO	N SUF	RVEYS				ТІМ	E LO	G				
Bit Number	r			No	Compor	nent	OD II	D Leng	th	Ν	Aud Typ	e Wate	er 🗌	0il 🗌			Deviation	Direction		Туре	е	From	To	Elapsed	Code	Details of Operation	is in Sequence & Remarks	3
Size	e											Other [03:303		88.3	296.4										
IADC Code	e										Time				03:453		88.6	296.3										
Manufacture	r										Density				04:303		90.4 91.4	297.5										
Туре										Funnel V					05:303		91.4 91.8	298.6 297.8										
Serial No	0									Flu	uid Loss				05:453		91.0	298.2										
Jets	s										pН				06:153		89.5					1						
									Lo	cation of					SOL	IDS C	ONTR	OL										
Depth Out (m											Depth					pment	Hours	Intake	Over F		Under Flow							
Depth In (m											PVT				Na	ime	Run	Density	Dens	ity	Density							
Total Drilled (m	1)								CIR	CULA	TION																	
Hrs Run Today	<hr/>								Pump#	t Type	Liner Siz	e SPM	Press	ure Hours Ru	ı		-		_									
Cumulative Hrs Rur]													
Entry Date															MUD) MA1		LS ADE										
CUTTING ST	RUC	CTUR	E		Drill Pipe		Stand]		Product			Amou	nt Type							
П		Gage			Drill Pipe		Single	IS]——							i						
TO		ODO			Kelly	Down			Rema	rks:												1						
		on Pulleo				Total																1						
	otal Ru	ın (m/hr)		Weight																_							
BRG					Weight of																_	Remar	ks:					
METRES DR					LE CO																_							
From To D	D-R-C	RPM	WOB	Hol	e Drag	Up		Down		DUCE												1						
				Torqu	e at Bottom				Pump	No. Pre:				Depth	Boile	er			· ·			Í.						
				Fill	on Bottom					_	@		@		Boile		Hours F	łun	pН	St	tack Temp	SAF	ETY					
		-								_	@	_	@													Safety Topic	MEHL	MACP
											@	1	@									DERRIC	CK CON	NECTION	IS		90.00kdaN	3029kPa

TOUR 2 SIGNATURI					JASON GILE	s							ST	ART			20:00
BITS	DRILLING ASSE	MBLY	MUD RECOR	D		DEVIATIO	N SUR	VEYS			TIM	E LO	G				
Bit Number	No Component OD	D ID Length	Mud Typ	e Water	0il	Time Depth	Deviation [Direction	Ty	pe	From	To	Elapsed	Code	Details of Operations i	n Sequence & Remarks	
Size			1	Other 🗌		11:45 3435.93m	91.3	300.2									
IADC Code			Time			12:30 3450.56m	90.5	299.3						1			
Manufacturer			Density			13:15 3465.15m	90.3	300.4									
Туре			Funnel Viscosity			14:00 3479.81m	88.9	299.4 299.6									
Serial No			Fluid Loss			15:00 3494.43m	90.4	299.6									
Jets			pH			16:00 3523.68m	90.4	299.0						1			
			Location of Sample			SOLIDS C											
Depth Out (m)			Depth			Equipment	Hours	Intake	Over Flow	Under Flow							
Depth In (m)			PVT			Name	Run	Density	Density	Density				1			
Total Drilled (m)			CIRCULATION											1			
Hrs Run Today			Pump# Type Liner Siz	e SPM	Pressure Hours Ru	n								1			
umulative Hrs Run						1											
Entry Date						MUD MA		S ADD									
UTTING STRUCTURE	Drill Pipe St	tands				1	Product		Amo	ount Type							
TI Gage	Drill Pipe Si	ngles				1											
TO ODC	Kelly Down		Remarks:			1								1			
IDC Reason Pulled	Total					1											
.0C Total Run (m/hr)	Weight of DC		1														
BRG	Weight of String		1			1					Remar	ks: HIC	- AIR LINE	E LEFT.	T BOTTOM OF DOGHOUSE STAIRS-FC		
IETRES DRILLED	HOLE CONDITIO	ON									HID- V-	DOOR	GATE LEF	T OPEN	AFTER PICKING UP SINGLE OF DRILL	PIPE-JG	
rom To D-R-C RPM WOB	Hole Drag Up	Down	REDUCED PL	IMP SP	PEED												
	Torque at Bottom		Pump No. Pressure	Strokes/m	in Depth	Boiler											
	Fill on Bottom		@	@		Boiler #	Hours Ru	un l	рН	Stack Temp	SAF	ЕТҮ					
			@	@		BUILET #	nodrs Ru		pn	SIGUN TEITIP				S	afety Topic	MEHL	MACP
	1		@	@		1					Connect	tions				83.00kdaN	2979

TOU	IR 3	SIC	NATU	RE	OF DRILLER							JOSH	GILBER	1								SI	ART	TTIME 20:00 END TIME 24:00
BITS					DRILLING AS	SEM	BLY	MUD	REC	CORI	D			DE	VIATIO	ON SUF	RVEYS			TIN	/E L	DG		
	Bit Number				No Component	OD I	D Length		M	lud Typ	e Wate	r 🗌 ()il 🗌	Time	Depth	Deviation	Direction		Туре	From	1 To	Elapsed	Code	Details of Operations in Sequence & Remarks
	Size							-11			Other [
	IADC Code									Time				1								1		
N	anufacturer								1	Density				1—										
	Туре							F	ⁱ unnel Vi	iscosity				1—	-									
	Serial No								Flu	id Loss														
	Jets									pН														
								Loca	ation of S	Sample				SO	LIDS	CONTR	OL							
De	epth Out (m)									Depth				Eq	uipment	Hours	Intake		w Under Flo	w				
1	Depth In (m)									PVT					Name	Run	Density	Density	/ Density					
	l Drilled (m)							CIRC	ULA	TION									_					
	s Run Today							Pump#	Туре	Liner Siz	e SPM	Pressur	e Hours Ru	n		-	-							
Cumula	tive Hrs Run												1											
	Entry Date												1	MU	D MA	TERIAL								
CUTT	ING STI	RUCTI	JRE		Drill Pipe	Stand	ds									Product		Ar	nount Type	9				
TI			age		Drill Pipe	Single	es																	
TO			DC		Kelly Down			Remark	KS:															
MDC		Reason Pu			Total																			
LOC	To	tal Run (m	/hr)		Weight of DC															_				
BRG					Weight of String															Rem	arks:			
	RES DR				HOLE CONDI	TION																		
From	To D-	-R-C R	PM WO	В	Hole Drag Up		Down	RED																
					Torque at Bottom			Pump N	o. Pres				Depth	Boi	iler			· · ·						
					Fill on Bottom					@		0			oiler #	Hours R	Run	рH	Stack Tem	SA	FETY			
				1				-		@		0					-						1	Safety Topic MEHL MACP
1 1			- 1							@	(0								I AY D		RILL PIPE		100.00kdaN 3029

			FROM	NT PAC	AE SUM	MARY	,				heet Serial 9_2016051			lendor Soft Ison	ware Ver	sion		Year 2016	Month 05	12 1)	Daily Walk Arc	ound Inspect	ion		OP R	\neg		
License No	W	Vell Name								Surfac	e Location			ł	Prov L	oc Type	Unique We	ll Id			H2S Signs Po			,		- (CAO	DC
31606	PA	RKLAND C5	-09-81-16V	V6						05-09-08	31-16W6			E	C D	LS	103/14-08	-081-16W6	00		Well Licence		ram Posted					
Operator							0	Contractor						Rig No	V	Vell Type			Re		Flare Lines St BOP Drills Per					-		
ARC RESOL	JRCES						F	RECISION	DRILLING,	DIV OF PE	DCLP			529	F	IORIZ					Visually Inspec		lare Lines & D	egasser Lines				
Operator's A 16DRL0036							0	Contractor's 84	s Job No							pud Date Ti 016/05/04 23				2)	Rig Site Healt CAODC Rig Sa	afety Inspect	ion Checklist	(one/rig/mor	nth)	P	aso	
Signature of Dean Boehn		tor Represen	tative					Signature o MARC RAY	f Contractor MOND	's Rig Man	ager				R	lig Release I	Date Time			4)	Mast Inspection Crown Saver Motor Kills Ch	Checked	iising or Lowe	ering	E		Paso	
CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		Kelly Bushing	Op Fuel
	Dia	Deill		1	Cond Mud		Ria	Deneir	0+ 0.44	Deu	Wineline	Run Csg	Weit On	Minule He	Test	Drillstem	Diue	Causana		Die	Cofehu	Tear	Waiting	Dia		1	FUEL @ 08	3:00 HOURS
	Rig Up	Drill Actual	Reaming	Coring	& Circ	Trips	Service	Repair Big	Cut Off Drila Line	Dev Survev	Loas	& Cement	Cement	BOP	BOP	Test	I Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Down	On	Rig Watch	Other	TOTAL	Rig	Boiler
n Tour 1		5.00					0.25													2.50	1					8.00	Time	Temp
Tour 2		6.50			1.25		0.25												1	3.75	5 0.25					12.00	Current Conditio	ns
Tour 3					0.25	3.25	0.25														0.25					4.00	Wind Direction	Wind Strength
Total		11.50			1.50	3.25	0.75													6.25	5 0.75					24.00	Poad Condition	

TOUR 1	S	GNAT	URE	OF	DRILLER								JOSH	GILBER	т									ST	ART	TIME 00:00 EI		08:00
BITS				DR	ILLING AS	SEI	MBL	Y.	MU) RE(CORI	>			DE\	VIATIO	ON SU	IRVE	/S			TIM	E LO	G				
Bit Number	r			No	Component	0D	ID	Length		Ν	Aud Type	e Water		il 🗌	Time	Depth	Deviation			Ty	/pe	From	To	Elapsed	Code	Details of Operations	in Sequence & Remarks	
Size									11			Other 🗌)3289.69m	88		97.5						1			
IADC Code											Time)3304.31m	88		297					1	1			
Manufacturer	r]		Density				07:45	53318.93m	89	.8 2	97.3									
Туре									ו [Funnel V	iscosity								-									
Serial No)]	Flu	id Loss							-										
Jets	3]		pН																	
									Loc	ation of	Sample				SO	LIDS	CONT	ROL										
Depth Out (m)]		Depth					uipment	Hour				Under Flow							
Depth In (m)											PVT				Ì	Name	Run	ı Der	nsity	Density	Density							
Total Drilled (m)									CIRC	CULA	TION						_											
Hrs Run Today									Pump#	Туре	Liner Siz	e SPM	Pressure	Hours Ru	n			_										
Cumulative Hrs Run																												
Entry Date															MU	D MA	TERI/		DDE									
CUTTING STI				_	Drill Pipe		nds										Produ	CT		Amo	ount Type							
П		Gage		1	Drill Pipe	-	gles																					
то		ODC			Kelly Down				Remar	ks:												jL			<u> </u>			
	Reason I	_			Total																							
	otal Run (m/hr)			Weight of DC																_							
BRG					Weight of String																_	Remar	ks:					
METRES DR					LE COND	TIO								_								1						
From To D	-R-C	RPM V	WOB	Hole	e Drag Up 🗌		Dowr	1				MP S										i						
				Torque	e at Bottom				Pump N	lo. Pres		Strokes/r	_)epth	Boi	ler												
				Fill o	on Bottom				<u> </u>	-	@	0			Bo	oiler #	Hours	Run	p	oH	Stack Temp	SAF	ETY					
									<u> </u>	_	@	0	_													Safety Topic	MEHL	MACP
											@	C	9									DERRIG	CK CON	INECTION	S		90.00kdaN	3029kP

TOUR 2	SI	GNA	TUR	E OF	DRI	LLER								JAS	ON GILE	s									ST	ART	TIME 08:00		20:00
BITS				DR	ILLI	NG AS	SEI	ИВІ	Y	MUD	RE	CORI	>			DE	VIATIO	ON SU	RVEYS				ТІМ	E LO	G		· ·		
Bit Number				No	Com	ponent	OD	ID	Length		1	Aud Typ	e Wate	r 🗌 🗌	0il 🗌	Time	Depth	Deviation	Direction		Туре	9	From	To	Elapsed	Code	Details of Operat	ions in Sequence & Remarks	
Size													Other [3538.31m	90.								1			
IADC Code												Time				17:30	3550m	9	299.7							1			
Manufacturer												Density]—													
Туре										F	unnel \	/iscosity																	
Serial No											Fl	uid Loss																	
Jets												рH																	
										Loca	tion of	Sample				SO	IDS	CONTR	ROL							1			
Depth Out (m)												Depth					upment	Hours		Over F	low	Under Flow							
Depth In (m)												PVT				1	Vame	Run	Density	Dens	ity	Density							
Total Drilled (m)										CIRC	ULA	TION																	
Hrs Run Today										Pump#	Туре	Liner Siz	e SPM	Pressu	re Hours Ru	n													
umulative Hrs Run													1													1			
Entry Date													1			MU	D MA		LS ADI										
UTTING STR	UCT	URE			Drill Pip)e	Sta	nds				1	1			1—		Produc	t		Amou	nt Type							
TI	(Gage			Drill Pip)e	Sing	gles				1				1													
TO		ODC			Ke	elly Dowr	1			Remark	(S:					1													
ADC Re	eason P	ulled				Tota	1																			1			
LOC Tota	l Run (r	n/hr)			Wei	ght of DO	: 🗌																						
BRG		-		1	Weight	t of String																	Remar	ks:					
IETRES DRIL	LED)		HO	LE C	OND	ITIO	Ν								'													
rom To D-R	R-C F	RPM	WOB	Hol	e Drag	Up		Dow	n	RED	UCE	D PU	MP S	SPEE	D														
					e at Bott					Pump N	o. Pre	ssure	Strokes/	min	Depth														
				1	on Botto							@	(0		Boi	iler #	Hours	Pup	рH	C+	ack Temp	SAF	ЕТҮ					
				1	on Dott							@	(0		B0	IICI ff	nours	nuii	μп		aux remp					afety Topic	MEHL	MACP
		1		1								@	(0		1—					-		Connect	tions				83.00kdaN	297

TOUR 3 SIGNATURE		JOSH GILBER	START TIME 20:00 END TIME 24:00
BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS TIME LOG
Bit Number	No Component OD ID Length	th Mud Type Water 🗌 Oil 🗌	Time Depth Deviation Direction Type From To Elapsed Code Details of Operations in Sequence & Remarks
Size		Other	
IADC Code		Time	
Manufacturer		Density	
Туре		Funnel Viscosity	
Serial No		Fluid Loss	
Jets		pH	
		Location of Sample	SOLIDS CONTROL
Depth Out (m)		Depth	Equipment Hours Intake Over Flow Under Flow
Depth In (m)		PVT	Name Run Density Density Density
Total Drilled (m)		CIRCULATION	
Hrs Run Today		Pump# Type Liner Size SPM Pressure Hours Run	
umulative Hrs Run			
Entry Date			MUD MATERIALS ADDED
JTTING STRUCTURE	Drill Pipe Stands		Product Amount Type
TI Gage	Drill Pipe Singles		
TO ODC	Kelly Down	Remarks:	
DC Reason Pulled	Total		
.0C Total Run (m/hr)	Weight of DC		
RG	Weight of String		Remarks:
ETRES DRILLED	HOLE CONDITION		
rom To D-R-C RPM WOB	Hole Drag Up Down	REDUCED PUMP SPEED	
	Torque at Bottom	Pump No. Pressure Strokes/min Depth	Boiler
	Fill on Bottom		Boiler # Hours Bun DH Stack Temp SAFETY
			Safety Topic MEHL MACI
		@ @	LAY DOWN DRILL PIPE 100.00kdaN 3

D	RILL ASSEMBLY & SPECIAL EVENTS - ADDIT	TONAL DATA Tour Sheet Serial No 0Y52529_20160512_1A	Vendor Software Version Pason	Year Month Day 2016 05 12
License No 31606	Well Name PARKLAND C5-09-81-16W6	Surface Location 05-09-081-16W6		ique Well Id /14-08-081-16W6/00
Operator ARC RESOURCE		Contractor PRECISION DRILLING, DIV OF PDCLP	Rig No Well Type 529 HORIZ	Re-Entry
Operator's AFE 16DRL0036		Contractor's Job No 84	Spud Date Time 2016/05/04 23:0	-
Signature of Oper Dean Boehnert	ator Representative	Signature of Contractor's Rig Manager MARC RAYMOND	Rig Release Date	Time Pasc

DRI	LLING ASSEMBLY		то	UR 1	DR	LLING ASSEMBLY		то	JR 2	DRI	LLING ASSEMBLY		то	JR 3
No	Component	OD	ID	Length	No	Component	OD	ID	Length	No	Component	OD	ID	Length
1	BIT	171.00	0.00	0.23	1	ВІТ	171.00	0.00	0.23	1	BIT	171.00	0.00	0.23
1	MOTOR	127.00	0.00	9.04	1	MOTOR	127.00	0.00	9.04	1	MOTOR	127.00	0.00	9.04
1	SLIDE REAMER	152.00	0.56	1.43	1	SLIDE REAMER	152.00	0.56	1.43	1	SLIDE REAMER	152.00	0.56	1.43
1	NM SLICK MONEL	120.00	69.00	9.32	1	NM SLICK MONEL	120.00	69.00	9.32	1	NM SLICK MONEL	120.00	69.00	9.32
1	GAP SUB	126.00	69.00	1.71	1	GAP SUB	126.00	69.00	1.71	1	GAP SUB	126.00	69.00	1.71
1	NM SLICK MONEL	120.00	69.00	9.27	1	NM SLICK MONEL	120.00	69.00	9.27	1	NM SLICK MONEL	120.00	69.00	9.27
1	NM SLICK MONEL	117.00	69.00	9.26	1	NM SLICK MONEL	117.00	69.00	9.26	1	NM SLICK MONEL	117.00	69.00	9.26
1	X/O	134.00	61.00	0.94	1	Х/О	134.00	61.00	0.94	1	X/O	134.00	61.00	0.94
1	5 SINGLES OF DP	114.00	97.00	48.75	1	5 SINGLES OF DP	114.00	97.00	48.75	1	5 SINGLES OF DP	114.00	97.00	48.75
1	X/O	134.00	62.00	0.96	1	X/O	134.00	62.00	0.96	1	X/O	134.00	62.00	0.96
1	JARS-HYD/MECH	133.00	57.00	5.50	1	JARS-HYD/MECH	133.00	57.00	5.50	1	JARS-HYD/MECH	133.00	57.00	5.50
1	X/O	134.00	68.00	0.94	1	X/O	134.00	68.00	0.94	1	X/O	134.00	68.00	0.94
1	167 SINGLES OF DP	114.00	97.00	1628.25	1	167 SINGLES OF DP	114.00	97.00	1628.25	1	167 SINGLES OF DP	114.00	97.00	1628.25
1	36 SINGLES OF HWDP	114.00	73.00	336.96	1	36 SINGLES OF HWDP	114.00	73.00	336.96	1	36 SINGLES OF HWDP	114.00	73.00	336.96
43	Drill Pipe		Stands	1257.75	51	Drill Pipe		Stands	1491.75	51	Drill Pipe		Stands	1491.75
0	Drill Pipe		Singles	0.00	1	Drill Pipe		Singles	9.75	1	Drill Pipe	1	Singles	9.75
	Kelly Down			0.69		Kelly Down			1.94		Kelly Down			1.94
	Total			3321.00		Total			3566.00		Total			3566.00
	Weight of DC			0.00		Weight of DC			0.00		Weight of DC			0.00
	Weight of String			70.00		Weight of String			70.00		Weight of String			70.00

SPECIAL	EVENTS			
Tour No.	Event No.	Description	Time	Depth

					NAL DAT	· ^		Tour	Sheet Serial	No	Vendor S	oftware V	ersion		Year	Month Day		
			AMFLE -	ADDITIC		A			29_20160512	_1A	Pason				2016	05 12		
License N	o Well Nam	е						Irface Location	า			Prov	Loc Type					
31606	PARKLAN	D C5-09-81-16	N6				05-	09-081-16W6				BC	DLS		08-081-16W			
Operator						Contractor						Rig No	Well Type			Re-Entr	У	
ARC RESO						PRECISION	DRILLING, DI	V OF PDCLP				529	HORIZ					
Operator's	s AFE					Contractor	's Job No						Spud Date	Time			pas	son
16DRL0036						84									/05/04 23:00	1	-	
Signature	of Operator Rep	resentative				Signature	of Contractor'	's Rig Manage	r				Rig Releas	se Date T	īme			
Dean Boeh	nert					MARC RAY	MOND										F	ason
του	R 1		MUD TY	PE INVER	Т				WATER	01	L _X	отне	R					
	Time	01:00	05:00															
	Density	1240kg/m3	1240kg/m3															
F	Funnel Viscosity	51s/l	52s/I															
	Fluid Loss																	
	Fluid pH																	
Loc	ation of Sample	SHAKERS	SHAKERS															
	Depth	3110m	3231m															
	PVT	52m3	52m3															
	Type (Ex: Chlorides)																	
Test 1 -	Value																	
	Type (ex: Sand%)																	
Test 2 -	Value																	
	Type (ex: Hard Ca)																	
Test 3 -	Value																	
	Type (ex: Sulfides)																	
Test 4 -	Value																	
MUD SA	MPLE REMARK	(S			·	·	· 	• 	·		·	·	·	,			·	

о.		MUD S	AMPLE -	ADDITIO	NAL DAT	Α			Sheet Serial I		Vendor S	oftware V	ersion			Month Day		
Lissess							0.		29_20160512	_1A	Pason	Dura	1		2016	05 12		
License N								Irface Locatio	า			Prov	Loc Type					
31606	PARKLAN	D C5-09-81-16	W6					09-081-16W6				BC		103/14-08-0	81-16W6			
Operator						Contractor						Rig No	Well Type			Re-Entr	У	
ARC RESO	URCES					PRECISION	DRILLING, DI	V OF PDCLP				529	HORIZ					
Operator's	S AFE					Contractor	's Job No						Spud Date	Time			pas	son
16DRL0036	;					84								2016/05/	04 23:00			
Signature	of Operator Rep	resentative				Signature	of Contractor'	s Rig Manage	r				Rig Releas	e Date Time)			
Dean Boehr	nert					MARC RAYI	MOND											ason
тоц	2		MUD TY	Pe INVER	Г				WATER	OI	L _X	OTHE	R					
	Time	08:00	11:30	15:30														
	Density	1250kg/m3	1250kg/m3	3 1230kg/m3														
F	unnel Viscosity	50s/l	50s/	l 50s/l														
	Fluid Loss																	
	Fluid pH																	
Loca	ation of Sample	SHAKERS	SHAKERS	SHAKERS														
	Depth																	
	PVT																	
	Туре																	
Test 1	(Ex: Chlorides) Value																	
-	Туре																	
Test 2	(ex: Sand%)																	
-	Value																	
Test 3 -	Type (ex: Hard Ca)																	
	Value																	
Test 4 –	Type (ex: Sulfides)																	
	Value																	
MUD SAM	IPLE REMARK	s																

		MUD S	AMPLE -		NAL DAT	Δ			Sheet Serial		Vendor S	oftware V	ersion			Month Day		
									29_20160512	_1A	Pason	-		1	2016	05 12		
License N								urface Location	า			Prov	Loc Type					
31606	PARKLAN	D C5-09-81-16V	V6					-09-081-16W6				BC	DLS		08-081-16W6			
Operator						Contractor						Rig No	Well Type			Re-Entry	/	
ARC RESO						PRECISION	DRILLING, DI	IV OF PDCLP				529	HORIZ					
Operator's	s AFE					Contractor	's Job No						Spud Date	e Time			pas	son
16DRL0036	5					84									/05/04 23:00)	-	
Signature	of Operator Rep	resentative				Signature	of Contractor	's Rig Manage	r				Rig Releas	se Date 1	Time			
Dean Boehr	nert					MARC RAY	MOND										P	ason
του	R 3		MUD TY	PE INVER	Т				WATER	OI	L _X	OTHE	R					
	Time	20:00																
	Density	1250kg/m3																
F	Funnel Viscosity	52s/l																
	Fluid Loss																	
	Fluid pH																	
Loca	ation of Sample	SHAKERS																
	Depth	3566m																
	PVT	48m3																
	Type (Ex: Chlorides)																	
Test 1 -	Value																	
	Type (ex: Sand%)																	
Test 2 -	Value																	
-	Type (ex: Hard Ca)																	
Test 3 -	Value																	
-	Type (ex: Sulfides)																	
Test 4 -	(ex. Suildes) Value																	
MUD SAL	MPLE REMARK	s –			<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>							

		FRO	NT PA	GE SUN	IMAR)	ſ				heet Serial 9_2016051			/endor Soft ason	ware Ve	ersion		Year 2016	Month 05	Day 13	1) Daily W	CHEC	pection	Check List)			ŀ	
) W	Nell Name								Surfac	e Location			F	Prov	Loc Type	Unique We	ell Id						onoon Lioty	DB MR	- ((CAO	DC
PA	ARKLAND C	5-09-81-16	V6						05-09-0	31-16W6			в	IC E	DLS	103/14-08	-081-16W6	00				Diagram Posteo	d				
						(Contractor						Rig No		Well Type			F	Re-Entry					DB MR	4		
URCES	5					F	RECISION	I DRILLING	DIV OF PI	DCLP			529		HORIZ							- Flare Lines 8	Degasser Line	SDB MR			
AFE						0	Contractor'	s Job No												2) CAODC	Rig Safety Ins	pection Checkl	list (one/rig/m		P	aso	
of Operat nert	ator Represe	entative							r's Rig Man	ager					5					4) Crown S	aver Checked		owering	MB		Pasor	1
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20) 2	22	23	24	25		Kelly Bushing 5.98	0p Fuel 2375.00
Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillstem Test	I Plug Back	Squeeze Cement	Fishin	ng Di Wo				g Rig Watch	Other		FUEL @ 08 Rg 14125.	Boiler
					6.75	0.25											1			0.50	0.50				8.00	Time 05	5:00 6.00
				1.50		1		İ			10.00					1	1	1			0.50			1	12.00	Current Conditions	5
				1									0.25				1						1	0.50	1	Wind Direction	Wind Strength UP TO 19 KM/H
		+	+	1.50	6.75	0.25										+	+			0.50	-		-				DF 10 19 KM/H
			1	1.30	1 0.75	1 0.25					12.73		0.25			1				0.50	1.00			0.50	1 24.00	GUOD	
	P. URCES AFE of Opera hert 1	PARKLAND C URCES AFE of Operator Represent nert 1 2	Well Name PARKLAND C5-09-81-16V URCES AFE of Operator Representative nert 1 2 3	Well Name PARKLAND CS-09-81-16W6 URCES AFE of Operator Representative nert 1 2 3 4	Well Name PARKLAND C5-09-81-16W6 URCES AFE of Operator Representative Here 1 2 3 4 5 Rig Drill Reaming Coring Cond Mut by Drill Reaming Coring 1.50	Well Name PARKLAND C5-09-81-16W6 URCES AFE of Operator Representative tert 1 2 3 4 5 6 Number Cond & Circo Cond & Circo Cond & Circo Trips 0 Actual Reaming Coring Cond & Circo Trips 0 Actual Reaming Coring Cond & Circo Trips 0 1.50 Circo 1.50 Circo	PARKLAND C5-09-81-16W6 URCES 6 AFE 6 of Operator Representative err 5 1 2 3 4 5 6 7 Rig up Drill Actual Reaming earling Cond & Circ 6.78 0.25 0 1.50 1.50 0 1.50	Well Name PARKLAND CS-09-81-16W6 URCES PRECISION AFE Contractor of Operator Representative Signature o Intervent MARC RAY Intervent Contractor Rig Drill A Intervent Contractor Intervent MARC RAY Intervent Contractor Intervent Contractor Intervent Contractor Intervent Contractor Intervent Contractor Intervent Contractor Intervent Contractor Intervent Contractor Intervent Contractor Intervent Contractor Intervent Contractor Intervent Contractor Intervent Contractor Intervent Contractor Intervent Contractor Intervent Contractor Intervent Contractor Intervent Contractor Intervent Contractor Intervent Contrel </td <td>Well Name PARKLAND C5-09-81-16W6 URCES Contractor AFE Contractor's Job No of Operator Representative Signature of Contractor I 2 3 4 5 6 7 8 9 Rig Drill Drill Contractor's Job No 84 Signature of Contractor Signature of Contractor I 2 3 4 5 6 7 8 9 Rig Drill Oring Cond Mud Trips Service Rig Drill Line, u 0 0 6.75 0.25 0 0 0 u 0 1.50 0 0 0 0 0 0</td> <td>FRONT PAGE SUMMARY py52521 Well Name Surfac PARKLAND C5-09-81-16W6 05-09-00 URCES PRECISION DRILLING, DIV OF PL AFE Contractor's Job No 0f Operator Representative Signature of Contractor's Rig Man Marc A 5 6 7 8 9 10 Ing Drill Reaming Coring Cond Mud Trips Service Rig Drilg Line Survey Instruction 6.75 0.25 Instruction Instruction Instruction</td> <td>PRONT PAGE SUMMARY by 52529_2016051 Well Name Surface Location PARKLAND CS-09-81-16W6 05-09-081-16W6 URCES Contractor AFE Contractor's Job No 0f Operator Representative wert Signature of Contractor's Rig Manager MARC RAYMOND 1 2 3 4 5 6 7 8 9 10 11 Ng Drill Reaming Coring Cond Mud Trips Service Rig Drig Line Survey Wreine 0 - - - 0.75 0.25 - - - -</td> <td>PRONT PAGE SUMMARY by:2529_20160613_1A Well Name Surface Location Surface Location PARKLAND C5-09-81-16W6 05-09-061-16W6 05-09-061-16W6 URCES PRECISION DRILLING, DIV OF PDCLP Contractor's Job No AFE Contractor's Job No 84 of Operator Representative wert Signature of Contractor's Rig Manager MARC RAYMOND 1 2 3 4 5 6 7 8 9 10 11 12 Igg Drill Reaming Coring Contractor Trips Service Rig Drilg Line Survey Logs & Cerement Up Actual E.ors 0.25 10.00</td> <td>FRONT PAGE SUMMARY byszs29_20160513_1A Pa Well 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TOUR 1		SIGNA	TURE	OF DRILLER							J	OSH GILBER	Т								SI	ART	TIME	00	0:00	END	TIME		08:00
BITS				DRILLING AS	SSEN	MBL	Y	MUD	REC	ORD)				ON SUR				ТІМ	E LO	G								
Bit Num	ber 5			No Component	OD	ID	Length		Mu	ıd Type	Water	0il 🗴	Time	Depth	Deviation	Direction		Гуре	From	To	Elapsed	I Code		Details	s of Opera	ations in S	Sequence & R	emarks	
S	ize		159	1 BIT	171	0	0.23m			(Other 📃								00:00	06:45	6.7	56F	CONT TO LAY	DOWN DI	RILL PIPE	E FROM 23	376M -0M.WI	TH 10 MIN	FC'S @ 1743N
IADC Co	ode			1 MOTOR	127	0	9.04m			Time									·				550M/200M/OM	. FINAL T	RIP CALC	C=13.38M/	3. ACTUAL=1	6.19M/3. I	DIFF=+ 2.58M/3
Manufactu	rer REE	D		1 SLIDE REAMER	152	1	1.43m			ensity									iL				FUNCTION BLI	ND RAMS	S OUT OF	HOLE			
	· -	13M-A1G		1 NM SLICK MONE	L 120	69	9.32m	F	unnel Vis	··· · · [06:45	07:00	0.2	57	RIG SERVICE/F	UNCTIO	N ANNUL	AR/ 22 SE	CONDS TO C	CLOSE	
Serial	No		E201897	1 GAP SUB	126	69	1.71m		Fluid	d Loss									07:00	07:15	0.2	521	REVIEW COP 2	-1 WITH	DISCOVE	ERY DIREC	CTIONAL		
J	ets 9.	.5 9.5 §	9.5 9.5	1 NM SLICK MONE	L 120	69	9.27m			pН									07:15	07:45	0.5	020	DIRECTIONAL W	ORK/ LAY	' DOWN AL	LL DIRECTI	ION ALL DIRET	TIONAL TO	OLS/ BREAK BIT
				1 NM SLICK MONE	L 117	69	9.26m	Loca	tion of S				SO	LIDS (CONTR	OL			07:45	08:00	0.2	521	CREW CHANGE	E HANDC	OVER ME	ETING			
Depth Out (3566	1 X/O	134	61	0.94m			Depth				uipment	Hours	Intake		v Under Flow]										
Depth In (2117	15 SINGLES OF D			48.75m			PVT				Name	Run	Density	Density	Density											
Total Drilled (1449	1 X/O	134		0.96m		ULAT	ION					_								ļ						
Hrs Run Too			0.00	1 JARS-HYD/MEC			5.50m	Pump#	Type L	iner Size	SPM P	Yessure Hours Ru	n		-								ļ						
Cumulative Hrs R			32.50		134		0.94m	1		127	0	0 (ļ						
Entry Da				1 167 SINGLES OF D		\rightarrow		2		114	0	0 0		D MA	TERIAL Product	S ADD		nount Type											
CUTTING S	TRU			51 Drill Pipe	Sta		1491.75m								Product		AI	Tourit Type											
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	Total Ru	un (m/hr)	44.58				0kdaN																						
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METRES D				HOLE COND	ITIO																		BALES/ ALL OVER		-				
From To	D-R-C	RPM	WOB	Hole Drag Up		Dow					MP SP												ILL LINES/ CHECK	-	LD VALVE	ALIGNEM	IENT-FUNCTIO	ON FLARE	STACK IGNITER
				Torque at Bottom				Pump No	o. Press		trokes/mir	n Depth	Boi	ler _							APE BUG	GY/ MC	NKEYBOARD SP	RL .					
				Fill on Bottom						@	@			oiler #	Hours Ru	JN	pН	Stack Temp	SAF	ETY									
										@	@												Safety Topic				MEHL		MACP
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TOUR 2 SI	GNA	TUR	E OF	DRILLER							JASO	N GILE	s								ST	ART		3:00 I		20:00
BITS			DR	RILLING AS	SEN	IBLY	M	UD R	ECOR	D					ON SUR				ТІМ	E LO	G					
Bit Number			No	Component	OD	ID Le	ength		Mud Typ	e Wate	er 🗌 0	il 🗴	Time	Depth	Deviation	Direction	T	уре	From	To	Elapsed	Code	Detail	s of Operations	in Sequence & Remark	s
Size										Other									08:00	09:00	1.0	012A	CLEAN & PREP FLOOR	- RIG UP TO RI	UN CASING	
IADC Code									Time				1—						09:00	09:15	0.2	521	REVIEW COP 3-1 WITH	COPPERHEAD	POWER TONGS AND	CREW
Manufacturer									Density	1]—						09:15	18:15	9.0	012B	MAKE UP SHOE/FLOAT -	RUN 108 JOIN	TS 114.3mm CASING, 1	57 JOINTS 139.7mm
Туре								Funne	I Viscosity	1]—										CASING, FLOW CHECKS	S @ 505m/1790	m-LAND CASING @ 35	64.49m
Serial No									Fluid Loss				1						18:15	19:45	1.5	05	CIRCULATE CASING @	3564m		
Jets									pH										19:45	20:00	0.2	521	CREW CHANGE SAFETY	MEETING/PLA	N FORWARD W/RIG MA	NAGER & ARC OSS
								Location	of Sample				SOL	IDS C	ONTR	OL						1				
Depth Out (m)									Depth				Fai	upment	Hours	Intake	Over Flow	Under Flow								
Depth In (m)									PVI				1	Vame	Run	Density	Density	Density								
Total Drilled (m)							C	RCUL	ATIO																	
Hrs Run Today							Pu	np# Typ	e Liner Si	ze SPM	Pressure	Hours Ru	n		_											
Cumulative Hrs Run								1SING	LE 12	7	0 1700											1				
Entry Date								2SING	LE 14	0 1:	20 1700) 2	MU	D MA		S ADD										
CUTTING STRUCT	URE			Drill Pipe	Star	nds				1	1	1	1—		Product		Am	ount Type								-
TI	Gage			Drill Pipe	Sing	les						1	1													
TO	ODC			Kelly Down			Re	marks:					1													
MDC Reason F	Pulled			Total																						
LOC Total Run (m/hr)			Weight of DC															1							
BRG				Weight of String									1						Remar	ks: FU	NCTION 1	RAVEL	STOPS/LIMITS & CROWI	N SAVER		
METRES DRILLED)		HO	DLE CONDI	TIO	N													INSPEC	T TOP D	RIVE/ ELE	ATORS	BALES/ ALL OVERHEAD EQ	UPIMENT-INSPEC	CT NOV ST-80 & ALL DRIL	L FLOOR EQUIPMEN
From To D-R-C	RPM	WOB	Hol	le Drag Up		Down	R	EDUC	ED PL	JMP :	SPEEL)							INSPEC	T CHOK	E LINES/	ICR'S/K	LL LINES/ CHECK MANIFO	LD VALVE ALIG	NEMENT-FUNCTION FL	ARE STACK IGNITER
			Torqu	ue at Bottom			Pur	np No. P	ressure	Strokes	/min D	lepth	Boi						INSPEC	CT ESC.	APE BUG	GY/ MC	NKEYBOARD SRL			
			1	on Bottom					@		@			iler #	Hours R	up.	рН	Stack Temp	SAF	ЕТҮ						
			1	on Bottom					@		@			iiei #	nouis n		μn	SIGUN TETTIP	i 🗌			ę	afety Topic		MEHL	MACP
			1						@		@		1						Trip/LD	Pipe/Ca	sing					
			-										-								-					

TOUR	5	SIGN	AIUKI		DRILLER	۲							JOSH	GILBER'	1								<u> </u>	IAKI	TIME		20:00		END			24:00
BITS				DF	RILLING A	SSE	ΜВ	LY	MU	D RE	CORI)					ON SUP				TI	MEL	OG									
Bit Nu	mber			No	Component	10) ID	Length		1	Mud Typ	e Water	r 🗌 0	il 🗴	Time	Depth	Deviation	Direction	1	уре	Fro	m To	Elapse	d Cod	e	[Details of	Operatio	ons in Sec	uence & Rei	marks	
	Size								11			Other									20	:00 20:	15 0.	2521	SAFETY N	MEETING	/COP 4-1	1/ TRICA	N/CEMEN	TING		
IADC	Code										Time]—	-					20	:15 23:	2.	7512C	Cement w	rith 5m ³ Op	pti Flush,	2.5m3 Sc	cav @ 140	0kg/m ³ , 29.2	23m³ (23	3.4 t)
Manufac	turer								11		Density				1—	-									Titanium 1	1500, 24.7	'1m³ (31.	0t)Gas	Tight 1850	Flush lines,	Drop plu	Jg &
	Туре]	Funnel \	/iscosity				<u> </u>	-					\neg				Displace w	with 34.80r	m³ Inhibite	ed H2O,1	10m³ ceme	ent returns to	surface	plug down,
Seri	al No]	Fl	uid Loss]—										22:37hrs 0	05/13/2016	6					
	Jets]		рH										23	:00 23:	30 0.	5025	BLOW BA	CK TOP E	DRIVE/ P	REP FLC	OOR FOR	RUNNING L	.OGS	
									Loc	ation of	Sample				SO	LIDS	CONTR	OL			23	:30 23:	45 0.	2521	SAFETY N	MEETING	NIPPLE	DOWN /	COP 5-5			
Depth Ou	ıt (m)]]		Depth				Eq	uipment	Hours		Over Flow	Under Flov	23	:45 24:	0. 00	25 14B	NIPPLE D	OWN, rig	released	on may	13/29=016	@ 23:59		
Depth I	n (m)										PVT					Name	Run	Density	Density	Density												
Total Drille									CIR	CULA	TION]			CENT	RIFUGE	-	4 126	118	0 177	'0											
Hrs Run 1									Pump#	Туре	Liner Siz	e SPM	Pressure	Hours Rur	ı		_															
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Entry									1	2	14	0 (0	0 0	MU	DMA	TERIA			T												
CUTTING	STRU				Drill Pipe		tands								BARIT		Product	[AIT	ount Type												
П		Gage			Drill Pipe		ngles								BARII	IE .				60 5	٩											
TO		ODC		1	Kelly Dov				Remai	ks:																						
MDC		son Pulled		1	To																											
LOC	Total	Run (m/hr)		1	Weight of I																											
BRG					Weight of Stri										<u> </u>						Ren	narks:										
METRES				НС	DLE CON	DITI	DN							_							╢											
From To	D-R-	C RPM	WOB	Ho	ole Drag Up		Dov	vn				MP S																				
				Torq	ue at Bottom				Pump I	lo. Pre		Strokes/r	_	lepth	Boi	ler			, i													
				Fill	on Bottom				1		@	(_			oiler #	Hours F	Run	рH	Stack Temp	SA	(FET)	<u>(</u>									
									ʻL		@	(~												Safety Topic	C				MEHL		MACP
											@	6	0																			
V. 1.3																																1 of '

			FROM	NT PAG	GE SUM	MARY	7				heet Serial 9_2016051			/endor Soft ason	ware Ver			Year 2016	Month 05	13 1	Daily Walk An Detailed Insp	ound Inspect	tion	eck List)	OP R	\neg	ŀ	
License No	V	/ell Name								Surfac	e Location			F	Prov L	oc Type	Unique Wel	ll Id		3	H2S Signs Po	sted if Requi	ired	,		_ ((CAO]	DC
31606	PA	RKLAND C5	-09-81-16W	V6						05-09-0	31-16W6			B	C D	LS	103/14-08-	-081-16W6/	00		Well Licence		ram Posted		\vdash			
Operator							(Contractor						Rig No	V	lell Type			Re	-Entry 6	Flare Lines St BOP Drills Per	aked formed			\vdash	-		
ARC RESOL	JRCES						F	RECISION	DRILLING,	DIV OF PI	DCLP			529	F	IORIZ					Visually Inspec		lare Lines & D	egasser Lines				
Operator's A 16DRL0036							(8	Contractor' 34	s Job No							pud Date Ti 016/05/04 23				2) Rig Site Healt) CAODC Rig Si	afety Inspect	tion Checklist	(one/rig/mo		P	aso	
Signature of Dean Boehn		tor Represen	tative					Signature o MARC RAY	f Contractor MOND	's Rig Man	ager					ig Release I 016/05/13 23				4) Mast Inspecti) Crown Saver) Motor Kills Ch	Checked	aising or Low	ering	E	-	Pason	
CODE	1	2	з	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		Kelly Bushing	Op Fuel
	Die	Deill		1	Cond Mud		Die	Densir	0.4.04	Deu	Wineline	Due Cee	Wait On	Ninele He	Teet	Drilletern	Dive	Causana		Die	Cofety	Teer	Meiling	Die			FUEL @ 08:	00 HOURS
	Rig	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drila Line	Dev Survev	Loas	Run Csg & Cement	Cement	BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL	Rig	Boiler
n Tour 1						6.75														0.5					1	8.00	Time	Тетр
Tour 2		1			1.50							10.00								1	0.50				1	12.00		·
Tour 3												2.75		0.25						1	0.50				0.50	4.00	Wind Direction	Wind Strength
Total					1.50	6.75	0.25					12.75		0.25						0.5	0 1.50				0.50	24.00	Road Condition	
																					· ·							

TOUR 1	SIGNATUR	E OF DRILLER						IOSH GILBE	RT								ST	ART			08:00
BITS		DRILLING AS	SEMBL	Y	MUD REG	CORE)					RVEYS			TIM	IE LO	G				
Bit Number	r	No Component	OD ID	Length	N	Aud Type	e Water [Oil	Time	e Depth	Deviation	Direction	1	уре	From	To	Elapsed	Code	Details of Operations in	Sequence & Remark	s
Size	e						Other 📃			_											
IADC Code	e					Time				_											
Manufacturer	r					Density				-											
Туре					Funnel V					-											
Serial No					Flu	uid Loss															
Jets	s					pН									1						
					Location of				SO	LIDS	CONTF	ROL									
Depth Out (m)						Depth				quipment	Hours		Over Flow								
Depth In (m)						PVT				Name	Run	Density	Density	Density							
Total Drilled (m)			+		CIRCULA				_						_						
Hrs Run Today		┨	+ $+$ $+$		Pump# Type	Liner Size	e SPM I	Pressure Hours	Run			+			╢						
Cumulative Hrs Run		┨	+ $+$ $+$						_		TEDIA	LS ADD			i —						
Entry Date									IMIC		Produc			ount Type							
CUTTING ST		Drill Pipe	Stands								TTOUUG	ι	70	iount Type	1—	-					
	Gage	Drill Pipe	Singles												1—	-					
TO	Reason Pulled	Kelly Dowr			Remarks:										┣──						
	otal Run (m/hr)	Tota							_					_		-		-			
BRG		Weight of DC Weight of String							_						Rema	alue:					
METRES DR		HOLE COND													Rema	IKS:					
	D-R-C RPM WOB	Hole Drag Up	Down		REDUCE			DEED							1						
			Down		Pump No. Pres																
		Torque at Bottom Fill on Bottom				@	@	n bopu		iler					SAF	ETY					
						@	@			Boiler #	Hours I	Run	рН	Stack Temp				5	Safety Topic	MEHL	MACP
		1				@	@				-				PUMP	MAINTA	AINANCE			100.00kdaN	3029kPa
		-			· · · · ·			-													

TOUR 2		SIGN	ATUR	E OF	DRILLER							JASON	GILES									ST	ART	TIME 08:00 EN		20:00
BITS				DF	RILLING AS	SEM	BLY	MU	D RE	CORE)					N SUR				ТІМ	E LO	G				
Bit Number	er			No	Component	OD ID	Length		1	Mud Type	Wate	r 🗌 0il		Time	Depth	Deviation [Direction	Ţ	/pe	From	To	Elapsed	Code	Details of Operations i	n Sequence & Remark	ks
Size	e						1	71			Other												1			
IADC Code	e									Time				1								1	1			
Manufacture	er							71		Density				1									1			
Туре	e							71	Funnel \	/iscosity				1⊢−−+												
Serial No	0							71	Fl	uid Loss				1												
Jets	s						1	71		pН				1 +									1			
								Loc	ation of	Sample				SOL	IDS C	ONTRO)L					1	1			
Depth Out (m	1)							71		Depth					ipment	Hours	Intake	Over Flow	Under Flow				1			
Depth In (m	1)							71		PVT				Ň	ame	Run	Density	Density	Density							
Total Drilled (m	1)							CIR	CULA	TION																
Hrs Run Today	y						1	Pump#	Туре	Liner Siz	SPM	Pressure F	Hours Run										1			
Cumulative Hrs Rur	n													i												
Entry Date														MU	D MAT	ERIAL	S ADD									
CUTTING ST	RUC	TUR	=		Drill Pipe	Stands	5							1		Product		Am	ount Type							
TI		Gage			Drill Pipe	Single	5							1⊢					_							
TO		ODC			Kelly Dowr			Rema	rks:					1⊢												
MDC	Reaso	n Pulled			Tota									1												
LOC To	otal Ru	n (m/hr)			Weight of DC	:								1												
BRG					Weight of String									1∟						Remar	ks: RE	VIEW COP	2-4/11 T	TRIP OUT OF HOLE/LAY DOWN DP, 2-1 LAY	OUT BHA, 3-1 RIG UP	TO & RUN CASIN
METRES DR	RILLE	D			LE COND	TION								<u>'</u>					_	CASING EI	LEVATOR	CERTS AOT	4.5*-TA 100	TON SER.# 86676, AOT "MRA"5.5" 150 TONC.L. COLLAR T	/PE SER.# 114695, MYC 3.5*-7	" 125 TON SER.# NL0152
From To D	D-R-C	RPM	WOB	Ho	le Drag Up 🗌	D	own					PEED								HID - WI	HILE RU	INNING CA	SING-BF	OKEN COTTER PIN ON AIR DOG COLLAR D	IE-STOP AND REPLAC	ED PCOTTER PIN-
				Torqu	ue at Bottom			Pump I	No. Pre	ssure S	Strokes/i	min De	pth	Boil	o.r											
				Fill	on Bottom					@	(Ð		Boi		Hours Ru	ın	рН	Stack Temp	SAF	ETY					
								-		@	(2		001		110010110		p	otaon tomp				S	afety Topic	MEHL	MACP
										@	(2					1			Trip/LD	Pipe/Ca	asing				

TOUR 3 SIGNATURE OF DRILLER														JOSH	GILBER	1									ST	ART			24:00
Bľ	TS				DR	ILLING AS	SE	MВ	LY	MU) RE	COR	D						RVEYS				TIM	E LC	G				
	Bit Number					Component	0D	ID	Length		l	Mud Ty	e Wate	er 🗌 🛛 (Dil 🗌	Time	Depth	Deviation	Direction		Туре		From	To	Elapsed	Code	Details of Operations in Se	equence & Remarks	3
	Siz	e						П					Other [1			
	IADC Cod	le						П				Tim	э			٦—				ļ						1	1		
	Manufacture	er										Densit	y			┣—	-												
	Тур	ie								F	Funnel \						1												
	Serial N	lo									FI	uid Los	S				+												
	Je	ts										pl	1																
										Loca	ation of	Sampl	9			SO	LIDS	CONT	ROL										
	Depth Out (n	n)										Dept	1			Ec	uipment	Hours	s Intake	Over F	low Ur	nder Flow							
	Depth In (n	n)										PV	Г				Name	Run	Density	/ Densi	ity I	Density							
	Total Drilled (n									CIRC	CULA	TIO	N,																
	Hrs Run Toda	ıy								Pump#	Туре	Liner S	ze SPM	Pressur	e Hours Ru	in			-	-									
Cu	mulative Hrs Ru	in																											
	Entry Dat											1				MU			LS AD										
CU	TTING ST	RUC	TURE	3		Drill Pipe	Sta	ands										Produc	t		Amount	t Type							
	TI		Gage			Drill Pipe		igles																					
	TO		ODC			Kelly Dowr	ו 🗌			Remar	ks:																		
M	00	Reasor				Tota																	i						
		Total Rur	n (m/hr)			Weight of DC																							
	RG					Weight of String																	Remar	'ks:					
METRES DRILLED HOLE CONDIT From To D-R-C RPM W0B Hole Drag Up						ITIC	N														+								
Fro								Dow					JMP S																
					Torqu	e at Bottom				Pump N	lo. Pre		Strokes/	_	Depth	Boi	iler			· · ·									
						on Bottom						@		0			oiler #	Hours	Run	рН	Stac	ck Temp	SAF	ETY					
												@		0									1				Safety Topic	MEHL	MACP
												@		0									11						

DRILL ASSEMBLY & SPECIAL EVENTS - ADDIT	TONAL DATA Tour Sheet Serial No 0Y52529_20160513_1A	Vendor Software Version Pason	Year Month Day 2016 05 13	CAGDC
License No Well Name 31606 PARKLAND C5-09-81-16W6	Surface Location 05-09-081-16W6	51	Unique Well Id 103/14-08-081-16W6/00	
Operator	Contractor PRECISION DRILLING, DIV OF PDCLP	Rig No Well Type 529 HORIZ	Re-Entry	
Operator's AFE 16DRL0036	Contractor's Job No 84	Spud Date Ti 2016/05/04 2		pason
Signature of Operator Representative Dean Boehnert	Signature of Contractor's Rig Manager MARC RAYMOND	Rig Release I 2016/05/13 2		Pason

DR	ILLING ASSEMBLY		то	JR 1	DR	LLING ASSEMBLY		τοι	JR	DR	LLING ASSEMBLY		τοι	JR
No	Component	OD	ID	Length	No	Component	OD	ID	Length	No	Component	OD	ID	Length
1	BIT	171.00	0.00	0.23										
1	MOTOR	127.00	0.00	9.04										
1	SLIDE REAMER	152.00	0.56	1.43										
1	NM SLICK MONEL	120.00	69.00	9.32										
1	GAP SUB	126.00	69.00	1.71										
1	NM SLICK MONEL	120.00	69.00	9.27										
1	NM SLICK MONEL	117.00	69.00	9.26										
1	X/O	134.00	61.00	0.94										
1	5 SINGLES OF DP	114.00	97.00	48.75										
1	X/O	134.00	62.00	0.96										
1	JARS-HYD/MECH	133.00	57.00	5.50										
1	X/O	134.00	68.00	0.94										
1	167 SINGLES OF DP	114.00	97.00	1628.25										
1	36 SINGLES OF HWDP	114.00	73.00	336.96										
51	Drill Pipe		Stands	1491.75		Drill Pipe		Stands			Drill Pipe		Stands	
1	Drill Pipe	;	Singles	9.75		Drill Pipe	;	Singles			Drill Pipe		Singles	
	Kelly Down			1.94		Kelly Down					Kelly Down			
	Total			3566.00		Total					Total			
	Weight of DC			0.00		Weight of DC					Weight of DC			
	Weight of String			70.00		Weight of String					Weight of String			

SPECIAL	EVENTS			
Tour No.	Event No.	Description	Time	Depth

			FRO	NT PAG	GE SUM	IMARY	1				heet Serial 9_2016051			/endor Soft ason	ware Ve	ersion		Year 2016	Month 05	14	DAILY (1) Daily Walk A 2) Detailed Ins	round Inspec	tion	heck List)		\neg	ŀ	
License No		Well Name								Surfac	e Location			F	Prov	Loc Type	Unique W	ell Id			3) H2S Signs F	osted if Requ	ired				CAO	DC
31606	P	ARKLAND C	5-09-81-16V	V6						05-09-0	81-16W6			B	C	DLS	103/14-0	8-081-16W6	6/00		4) Well Licence 5) Flare Lines		ram Posted		DB MR			
Operator								Contractor						Rig No		Well Type			F	Re <u>-En</u> try	6) BOP Drills P	erformed				-		
ARC RESOL	URCES	3					I	PRECISION	DRILLING,	DIV OF PI	DCLP			529		HORIZ					7) Visually Inspi	ected BOPs - F	lare Lines & D	Degasser Lines	s			
Operator's / 16DRL0036								Contractor's 84	s Job No							Spud Date 2016/05/04					1) Rig Site Hea 2) CAODC Rig	Safety Inspec	tion Checklis	t (one/rig/mo	onth)		aso	
Signature o Dean Boehn		ator Represe	ntative					Signature o MARC RAY	f Contractor MOND	's Rig Man	ager					Rig Release 2016/05/13		9			 Mast Inspect Crown Save Motor Kills (r Checked	aising or Low	vering	MR	-	Pasor	n
CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	5 16	17	18	19	20	0 21	22	23	24	25		Kelly Bushing 5.98	0p Fuel 2250.00
				-			-																				FUEL @ 08	:00 HOURS
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drilg Line	Dev Survev	Loas	& Cement	Cement	Nipple Up BOP	Test BOP	t Drillster P Test	m Plug Back	Squeeze	Fishin	g Di Wo	r Safety rk Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL	Rig 11875	.00 Boiler 0.00
n Tour 1											3.75			3.75							0.5					8.00		15:00 6.00
Tour 2				1			1														0.5	0 11.50		1		12.00	Current Condition	15
Tour 3				1																	0.2	5 3.75	5	1	1	4.00	Wind Direction	Wind Strength UP TO 19 KM/H
Total											3.75			3.75							1.2	5 15.25	5			24.00	Road Condition GOOD	
																											-	

	TS DRILLING ASSEMBLY																											
BITS											CORD						ON SUR						.0G					
Bit Number				No	Compo	onent	OD I	D Length		Ν	Aud Type)il 🗌	Time	Depth	Deviation	Direction	T	/pe	Fror	n 1	οE	lapsed	Code	Details of Operation	ons in Sequence & Remar	ks
Size												Other 🗌			<u> </u>						00:	00 0	1:15	1.25	14B	NIPPLE DOWN BOPS / CONTINUE TO NI	PPLE DOWN HCR'S/KILL LINE	S/ FLOWLINE/FLO
IADC Code											Time																	
Manufacturer											Density										01	15 0	1:30	0.25	21	SAFETY MEETING WITH LOGGERS/	COP 2-9. OVERHEAD SHE	AVE/ 14" X 5/16
Туре										Funnel V																14516-L1075. SHEAVE HANGER S/N	25224	
Serial No										Flu	uid Loss										01	30 0	5:15	3.75	11B	LOGGING - CASED HOLE LOGS		
Jets											pН										05	15 0	7:00	1.75	14B	FINISH NIPPLE DOWN. CASING SLI	PS SET @ 77 DEC	
									Loc	ation of	Sample				SO	LIDS	CONTR	OL			07	00 0	7:45	0.75	14E	INSTALL WELLHEAD/TREE		
Depth Out (m)											Depth					uipment	Hours	Intake	Over Flow			45 0	3:00	0.25	21	SAFETY MEETING/CREW CHANGE	MEETING	
Depth In (m)											PVT				i [Name	Run	Density	Density	Densit	/							
Total Drilled (m)									CIRC	CULA	TION						_											
Hrs Run Today									Pump#	Туре	Liner Size	SPM	Pressur	e Hours Ru	·			ļ										
Cumulative Hrs Run									1		127	0		0 (
Entry Date									2	2	140	(0 0	MU	D MA	TERIAL											
UTTING STI	RUC	TUR	2		Drill Pipe	1	Stan	ds						1	1—		Product		Am	ount Typ	e							
TI		Gage			Drill Pipe	1	Singl	es							1—													
то		ODC			Kell	ly Down			Remar	ks:					1													
	Reason					Total																						
LOC To	ital Run	(m/hr)			Weigh	ht of DC																						
BRG					Weight o	of String									1—						Rem	arks:	NIPPL	LE DOW	N/ SET	SLIPS @ 77 DEC		
IETRES DRI	ILLE	D		HC	DLE CO	ONDI	FION								<u> </u>					_								
rom To D-	-R-C	RPM	WOB	Ho	le Drag	Up		Down			D PU			D														
				Torq	ue at Botton	n			Pump N	lo. Pre	ssure S	trokes/n	nin I	Depth	Boi	lor												
				Fill	on Botton	n			1		@	0	2			iler #	Hours R	un	рН	Stack Tem	SA	FE1	Y					
									-		@	0				nor ir			p.,	otaol Iom					S	afety Topic	MEHL	MACP
										@	0	2				1		-		LOG	SING							

TOUR 2	s	IGNA	TURE	OF	DRILLI	ER							JASON	GILES										SI	ART	ТІМЕ	08:00		END TI	NE	20:00
BITS				DR	ILLING	ASS	EMB	LY	MU	D RE	CORI)						RVEYS				ТІМ	E LO	G							
Bit Number				No	Compone	ent	OD ID	Length		I	Aud Typ	e Water	0i		Time	Depth	Deviation	Direction		Тур	е	From	To	Elapsed	I Code		Details of	Operatio	ns in Sequei	nce & Remarl	is
Size								1	1			Other 🗌										08:00	17:30	9.5	022	LAY BOPs DOWN, I	NSTALL WEL	L HEAD, F	IG OUT AND	LAY DOWN TO	P DRIVE, LOWER MUD
IADC Code											Time															TANK ROOFS, R	IG OUT DEI	RRICK A	ND PREP TO	LAY OVER	
Manufacturer]		Density											17:30	17:45	0.2	521	REVIEW COP 7-7	LAY OVER	R DERRIG	ж		
Туре									1	Funnel V	/iscosity				├──							17:45	19:45	2.0	022	LAY DERRICK O	VER - RIG (OUT TUG	GER/BOOM	LINES- HAN	3 BLOCKS
Serial No									1	Flu	uid Loss				1├──							19:45	20:00	0.2	521	CREW CHANGE S	SAFETY ME	ETING/Pl	AN FORWA	RD W/RIG MA	NAGER & ARC OSS.
Jets						Í		1	11		pН				1										1						
									Loc	ation of	Sample				SO	IDS	CONTR	OL							1						
Depth Out (m)									11		Depth					upment	Hours	_	Over F	low	Under Flow				1						
Depth In (m)						İ			11		PVT					Vame	Run	Density			Density				1						
Total Drilled (m)									CIRC	CULA	TION														1						
Hrs Run Today								1	Pump#				Pressure	Hours Rur																	
Cumulative Hrs Run											12		0	0																	
Entry Date										,	14		0	0	MU	d ma	TERIA	LS ADI	DED												
CUTTING STR	UCT	URE			Drill Pipe		Stands								i 💷		Produc	t		Amou	int Type				1						
TI		Gage			Drill Pipe		Singles								i										1						-
TO		ODC			Kelly I	Down			Bemar	ks:					i⊢—																
MDC Re	eason F	Pulled				Total									1						+										
LOC Tota	al Run ((m/hr)			Weight	of DC			1												1 1										
BRG					Weight of S				1													Remar	ks:								
METRES DRI	LLE	D			LE COI		ION																								
		RPM	WOB			Up	Do	wn	RED	UCE	D PU	MP S	PEED)																	
					at Bottom				Pump N	lo. Pre	ssure	Strokes/m	nin De	epth																	
					n Bottom						@	@	_		Boi		Harris	Deur	-11		la di Tana	SAF	ETY								
				11110	III DOLLOIII				1		@	a	2		Bo	iler #	Hours	KUN	рН	S	tack Temp					Safety Topic				MEHL	MACP
											@	a	>		1⊢					+											
											1	~					1			_											

IOUR 3 SIGNATURE OF DRILLER														JOS	H GILBER	1									ST	ART		24:00
BITS	;				DRI	LLING A	SSE	MB	LY	MU	D RE	COR	D			DE	VIATIO	ON SU	RVEY	5			ТІМ	E LO	G			
	Bit Number	r		1	No	Component	00	D ID	Length			Mud Ty	pe Wa	ter 🗌	0il	Time	Depth	Deviation	Directio	n	Ty	pe	From	To	Elapsed	Code	Details of Operations in Sequence & Remai	rks
	Size	9								11			Other										20:00	20:15	0.2	521	SAFETY MEETING PRIORTO UNSPOOL BLOCKS/ COP 7-8	-
	IADC Code	9										Tim	е			٦		ļ					20:15	24:00	3.7	522	UNSPOOL LINE OFF DRAWORKS/ DERRICK. PREP DERRICK FOR	LEVEL 4 INSPECTION
	Manufacture	r]		Densit	y			┣—			-	-						1		
	Туре	e]	Funnel	Viscosit	y						1									
	Serial No	0]	F	luid Los	s						-	-			i					
	Jets	s]		pl	H						1									
										Loc	ation o	f Sampl	е			SO	LIDS	CONT	ROL									
1	Depth Out (m))]		Dept	h			Eq	uipment	Hour				Under Flow						
	Depth In (m))]		PV	Т				Name	Run	Dens	ty D)ensity	Density						
	tal Drilled (m)	·								CIR	CUL	ATIO	N						_									
ł	Irs Run Today	/								Pump#	Туре	Liner S	ize SPI	A Press	sure Hours Ru	in			_									
Cumu	ative Hrs Rur										1	1	27	0	0	0												
	Entry Date										2	1	40	0	0	MU	D MA	TERI/		DE								
CUT.	ring st		-			rill Pipe		tands										Produ	ct		Amo	unt Type						
TI			Gage		D	rill Pipe	Sir	ngles														-						
TO			ODC			Kelly Dow				Remai	rks:																	
MDC		Reason P				Tot																						
LOC	To	otal Run (i	n/hr)			Weight of D															_	_						
BRG						Veight of Strin															_	-	Remai	ks:				
MET	RES DR				HOL	E COND	DITIC	DN													_							
From	To D)-R-C I	PM WOE	B	Hole	Drag Up [_	Dov	vn					SPE									í					
				T	Forque a	at Bottom				Pump N	No. Pr		Stroke		Depth	Boi	ler						Í					
					Fill or	n Bottom					_	@		@			oiler #	Hours	Run	pН		Stack Temp	SAF	ETY				
										·		@		@					1				1				Safety Topic MEHL	MACP
1												@		@														

			FROM	IT PAG	ie sum	MARY					heet Serial 9_2016051			lendor Soft Ison	ware Ver	rsion		Year 2016	Month 05		1) Daily Walk Ar 2) Detailed Insp	ound Inspecti	ion	eck List)	OP R DB MR	- /	ŀ	
License No	V	Vell Name								Surfac	e Location			F	rov L	oc Type	Unique We	ell Id			3) H2S Signs Po	sted if Requir	red	,	DB MR] ((CAO]	DC
31606	P/	ARKLAND C5-	-09-81-16W	/6						05-09-08	31-16W6			B	C D	LS	103/14-08	3-081-16W6	6/00		 Well Licence Flare Lines S 		ram Posted		DB MR			
Operator								Contractor						Rig No	V	Vell Type			F	Re <u>-En</u> try	6) BOP Drills Pe					-		
ARC RESOU	RCES							PRECISION	DRILLING	DIV OF PE	DCLP			529	F	IORIZ					7) Visually Inspec		lare Lines & D	egasser Lines		1		
Operator's A 16DRL0036	FE							Contractor' 84	s Job No							Spud Date T 016/05/04 2					1) Rig Site Healt 2) CAODC Rig S	afety Inspecti	ion Checklist	(one/rig/mor	nth)	P	asol	
Signature of Dean Boehne		ator Represen	tative					Signature o MARC RAY	of Contractor MOND	's Rig Man	ager					Rig Release 016/05/13 2					 Mast Inspecti Crown Saver Motor Kills Cl 	Checked	iising or Low	ering	MR		Pason	
CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		Kelly Bushing 5.98	Op Fuel 1875.00
	D' -	D./II			O	-	D' -	Denela	0.1.0%	Davi	MEasters	Dur Our	We'l Or		Test	Defiled and	Dist	0		Di	Ostata	Teau	Matter	D's			FUEL @ 08:	oo HOURS
	Rig Un	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drila Line	Dev Survev	Loas	& Cement	Wait On Cement	NIPPIE UP BOP	Test BOP	Drillsten Test	1 Plug Back	Squeeze	Fishin	g Dir Wor	K Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL	Rig 10000.0	0 Boiler 0.00
n Tour 1								1													0.25					8.00	Time 05:	Temp
Tour 2																	1	1			0.25	11.75				12.00	CLEAR	
Tour 3				İ													1	1					4.00			4.00	Wind Direction SW	Wind Strength UP TO 19 KM/H
Total								1								1	1	1	1		0.50	19.50	4.00			24.00	Road Condition GOOD	

TOUR 1	SIGNATUR	FDRILLER					JOSH GI	LBER	T									S	TART			08:00			
BITS		MU	D REC	OR)						RVEYS				ТІМ	E LO	G								
Bit Numbe	er	No	Component	0D	ID Length		M	lud Type	e Water	Oil		Time	Depth	Deviation	n Direction	1	Ту	pe	From	To	Elapse	d Code	e Details of Operations	in Sequence & Remarks	3
Siz	e								Other 🗌										00:00	07:45	7.	7522	TEAR DOWN / CONITNUE TO RIG OUT DEP	RICK/ SPLIT BUILDING / PC	WER CORDS/ PREP
IADC Code	e							Time				1—				-							FOR MOVE		
Manufacture	er						1	Density				┣──				-			07:45	08:00	0.1	2521	SAFETY MEETING/CREW CHANGE M	ETING	
Тур							Funnel Vi]—				-									
Serial N	0						Flu	id Loss																	
Jet	s							pН																	
						Loc	ation of S					SO	LIDS	CONT	ROL										
Depth Out (m	,							Depth					uipment	Hour				Under Flow							
Depth In (m	/							PVT					Name	Run	ı Densit	y De	nsity	Density							
Total Drilled (m	·					CIRC	CULA	TION						_	_				·						
Hrs Run Toda	/					Pump#	Туре	Liner Siz	e SPM	Pressure H	lours Ru	n		-	_	_									
Cumulative Hrs Ru						1	1	127	7 O	0	(
Entry Dat						2	2	140	0	0	(MU	D MA	Produ	ALS AD	DED	4.000	unt Type				_			
CUTTING ST				Sta		_								Produ	CL		AIIIO	unit Type				_			
П	Gage			Sing	gles														Í			_			
T0	ODC	-1	Kelly Down			Remar	'ks:												<u> </u>			_			
	Reason Pulled	-1	Total			_												_	<u> </u>			_			
	'otal Run (m/hr)	-1	Weight of DC															_							
BRG			Weight of String	_															Remar	ks:					
METRES DR			OLE CONDIT	10															í —						
From To [D-R-C RPM WOB		ole Drag Up		Down				MP SF										i ——	_					
		Toro	que at Bottom			Pump N	No. Pres	-	Strokes/mi	n De	pth	Boi	ler												
		Fi	II on Bottom				_	@	0	-		Bo	oiler #	Hours	Run	pН	5	Stack Temp	SAF	ETY			0-(MEL	1400
							@	@														Safety Topic	MEHL	MACP	
					Ø	@										CLEAN	NG RIG	GING O	UT		0.00kdaN	0kPa			

TOUR 2																						ST	ART	TIME	08:00	END T		20:00
BITS		_		DR	ILLING AS	SEM	BLY	MU	D REO	CORE)	_				ON SUP				TIM	E LO	G			_			
Bit Numbe	er			No	Component	OD I	D Length		Ν	lud Type	e Wate	r 🗌 0i	ı 🗌	Time	Depth	Deviation	Direction	1	уре	From	To	Elapsed	Code	[Details of Ope	rations in Seq	uence & Rema	rks
Siz	e							1			Other [08:00	08:15	0.2	521	SAFETY MEETING	with crew on r	rigging out and	preparing for I	evel 4
IADC Cod	le									Time				┣—						08:15	20:00	11.7	522	AC BRAKE CALIPERS	CHECKED AND	RIG OUT RIG A	ND RENTALS,CI	EAN DERRICK, SUE
Manufacture	er]		Density				┣──										ALL BUILDINGS				
Тур	ie]	Funnel V	iscosity																		
Serial N	lo							11	Flu	id Loss										-								
Jet	ts							11		pН																		
								Loc	ation of	Sample				SO	IDS C	CONTR	OL											
Depth Out (m	n)							11		Depth					uipment	Hours	Intake	Over Flow	Under Flov	/								
Depth In (m	n)							11		PVT				1 1	Varne	Run	Density	Density	Density									
Total Drilled (m	n)							CIR	CULA	TION																		
Hrs Run Toda	ıy							Pump#	Туре	Liner Size	SPM	Pressure	Hours Rur			_												
Cumulative Hrs Ru	in								1	127	7 (o c	0	i														
Entry Dat									2	140	0	0 0	0	MU	D MA		LS ADD											
CUTTING ST	RUC	TUR	=		Drill Pipe	Stand	İs					1	1	1		Product		An	ount Type	_								
TI		Gage			Drill Pipe	Single	es					1		1														
TO		ODC			Kelly Dow	1		Remai	'ks:					1⊢						-								
MDC	Reaso	n Pulled			Tota	1																						
LOC T	'otal Ru	n (m/hr)			Weight of D																							
BRG					Weight of String	3								1						Remai	'ks:							
METRES DR	RILLI	D		HC	LE COND	ITION														-								
From To E	D-R-C	RPM	WOB	Ho	le Drag Up 🛛		Down	RED	DUCE	D PU	MP S	PEEC																
				Torqu	e at Bottom			Pump N	lo. Pres	ssure S	Strokes/	min D	epth	Boi	lor													
				Fill	on Bottom			1		@	(2			iler #	Hours F	un	рН	Stack Temp	SAF	ETY							
	To D-R-C RPM WOB Hole Drag up Down Torque at Bottom									@	(2						pii	otaon fomp				5	Safety Topic			MEHL	MACP
				7						@	(2								CLEAN	ING / W	/ORKING	AT HEI	GHTS			0.00kda	IN

TOUR 3 SIGNATURE OF DRILLER												MAR	C RAYMON										ST	ART			24:00
BITS				D	RILLING AS	SEI	IBLY	MU	D RE	COR	D			DE	VIATI	ON SU	RVEYS				TIM	E LO	G				
E	Bit Number			No	Component	OD	ID Leng	h		Mud Ty	pe Wate	er 🗌	0il 🗌	Time	Depth	Deviation	Direction		Туре		From	To	Elapsed	Code	Details of Operations ir	n Sequence & Remark	s
	Size										Other										20:00	24:00	4.0	23B	WAITING ON DAYLIGHT TO RIG OUT RIG	G WITH TRUCKS	
	IADC Code									Tim	ie												1	1			
Ma	nufacturer									Densi	ty				-			-									
	Туре									Viscosi					-												
	Serial No								F	luid Los	s																
	Jets	5								р	н																
								Lo	cation o	of Samp	le			SO	LIDS	CONT	ROL										
Dep	oth Out (m)									Dept	th				uipment	Hour			ow Under								
D	epth In (m)									P٧	т				Name	Run	Densit	y Dens	ty Der	nsity							
	Drilled (m)							CIR	CUL	ATIO	N						_	_									
Hrs	Run Today							Pump#	t Type	e Liner S	Size SPM	I Pre	SSULE Hours R	un				_	_								
Cumulati	ve Hrs Run								1	1	27	0	0	0													
	Entry Date								2	1	40	0	0	₀ MU	D MA		LS AD										
CUTTI	NG STI	RUCTU	RE		Drill Pipe	Sta	nds									Produ	ct		Amount	lype							
TI		Ga	-		Drill Pipe	Sing	gles																				
TO		01	00		Kelly Down			Rema	rks:												iL						
MDC		Reason Pull			Total																						
LOC	To	ital Run (m/	nr)		Weight of DC																						
BRG					Weight of String																Remai	'ks:					
METRES DRILLED HOLE CONDITIO						N																					
From	ole Drag Up		Down				UMP										1										
					ue at Bottom			Pump	No. Pr		Strokes		Depth	Boi	iler												
			_	Fil	ll on Bottom				+	@		@			oiler #	Hours	Run	pН	Stack T	emp	SAF	ETY					
			_							@		@]			S	afety Topic	MEHL	MACP
										@		@									11						

			FRO	àe sum	1			heet Serial 9_2016051			lendor Soft Ison	ware Ve	ersion		Year 2016	Month 05	Day 16	1) Daily Walk Ar 2) Detailed Insp	ound Inspecti	ion		ŀ								
License No	1	Well Name								Surfac	e Location			ł	rov	Loc Type	Unique Well Id				3) H2S Signs Po	sted if Requir	_ ((CAO	DC					
31606	P	ARKLAND C	5-09-81-16V	V6						05-09-0	31-16W6			E	IC E	DLS	S 103/14-08-081-16W6/00				4) Well Licence & Stick Diagram Posted 5) Flare Lines Staked									
Operator								Contractor						Rig No		Well Type		Re <u>-En</u> t			6) BOP Drills Pe	rformed				-				
ARC RESOU	IRCES	3						PRECISION	DRILLING,	DIV OF PI	DCLP			529		HORIZ					7) Visually Inspe	ted BOPs - FI	are Lines & D							
Operator's A 16DRL0036	IFE							Contractor' 84	s Job No							Spud Date T 2016/05/04 2					1) Rig Site Heal 2) CAODC Rig S	afety Inspecti	ion Checklist	pason						
Signature of Maddison Mil		ator Represe	ntative					Signature o TREVOR C		r's Rig Man	ager					5	Rig Release Date Time 016/05/13 23:59					ion before Rai Checked necked	ising or Lowe	E		Pasor				
CODE	1	2	з	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		Kelly Bushing 5.98	0p Fuel 1875.00		
	Die	Deill			Cand Mud		Die	Densir	Cut 0#	Deu	Wineline	Dun Con	Weit On	Minule He	Teat	Drillator	Dium	Causana		Die	Cafaby	Teer	Weiting	Die			FUEL @ 08	:00 HOURS		
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drila Line	Dev Survev	Loas	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillsten Test	n Plug Back	Squeeze Cement	Fishing	Dir Wor	K Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL	Rig 10000.	.00 Boiler 0.00		
n Tour 1																					0.25	1.00	6.75			8.00	H Time Of	5:00 6.00		
Tour 2																						12.00				12.00	Current Condition	15		
Tour 3				1													1						4.00			4.00	SW	Wind Strength UP TO 19 KM/H		
Total			1	1			1	1									1				0.25	13.00	10.75		1	24.00	Road Condition GOOD			

TOUR 1	SIGNATUR		JOSH GIL	BERT									ST	ART			08:00								
BITS		MUD RE	COR)					ON SUR				TIME LOG												
Bit Number	r	No Component	OD ID	Length		Mud Type	e Water	Oil		Time	Depth	Deviation	Direction	T	уре	From	To	Elapsed	Code	Details of Operations in	Sequence & Remark	S			
Size	9			Other											00:00	06:45	6.7	523B	W/O DAYLIGHT						
IADC Code	e					Time										06:45	07:00	0.2	521	SAFETY MEETING WITH CREWS AND TRUCKE	RS, ARC REP'S AND RIG	MANAGERS, REVIE			
Manufacture	r					Density														SIMOPS PRIOR TO EACH TASKS					
Туре					Funnel	Viscosity										07:00	08:00	1.0	022C	RIG OUT RIG WITH TRUCKS, SPLIT DERRICK, F	EMOVE TORQUE TUBE	ROTARY TABLE, SUI			
Serial No					F	luid Loss														STOOLS, MONKEY BOARD					
Jets	5					pH																			
					Location of	of Sample				SOL	IDS C	ONTR	OL												
Depth Out (m)					Depth				Equi	pment	Hours	Intake	Over Flow	Under Flow										
Depth In (m	/					PVT				Na	ame	Run	Density	Density	Density										
Total Drilled (m)				CIRCUL	ATION																			
Hrs Run Today	/				Pump# Type	e Liner Siz	e SPM	Pressure Ho	ours Run			_													
Cumulative Hrs Rur	۱				1	12	7 0	0	0		_														
Entry Date					2	140	0 0	0	0	MUE	D MA		LS ADD												
CUTTING ST	RUCTURE	Drill Pipe	Stands									Product		Am	ount Type										
П	Gage	Drill Pipe	Singles													1									
TO	ODC	Kelly Down			Remarks:											1									
	Reason Pulled	Total														1									
	otal Run (m/hr)	Weight of DC																							
BRG		Weight of String														Remar	ks:								
METRES DR		HOLE CONDI																							
From To D	O-R-C RPM WOB	Hole Drag Up	Down	n	REDUC											1									
		Torque at Bottom		Pump No. Pressure Strokes/min Depth						er															
		Fill on Bottom							Boiler # Hours Run pH					Stack Temp	SAF	ETY									
							@												5	afety Topic	MEHL	MACP			
			@ @											TEAR C	OUT RIG	3									

TOUR 2	2 SIGNATURE OF DRILLER MITCH ARSENAULT																							SI	ART			08:00		END	тіме		20:00	
BITS	MU								DEVIATION SURVEYS							TIME LOG																		
Bit Numb	ber			No	Component	OD ID	Length		1	Mud Typ	e Wate	er 🗌	0il		Time	Time Depth De		Direction		Туре		From	To	Elapsed	I Code		Det	tails of O	Jperati	ons in Se	quence	& Remark	S	
S	Size										Other [08:00	20:00	12.0	022C	RIG OUT RIG W	ITH TRU	CKS SPOT	T LOAD	S ON SIDE	E OF LOC	ATION, SPL	T DERRICK	REMOVE
IADC Co	de							Time															1		TORQUE TUBE,	ROTARY	TABLE,SU	JB, DEP	RRICK STO	OLS,MON	NKEY BOAR	D, CROWN	SHEAVES	
Manufactu	Manufacturer							Density							\vdash											BRIDLE LINES	S.							
Ту	Туре					Funnel Viscosity						┝──┼																						
Serial	Serial No						Fl	uid Loss																										
J	ets									pН		Î																						
								Loc	ation of	Sample					SOL	IDS C	ONTR																	
Depth Out (m)		~							Depth							Hours		Over Flo	r Flow Under Flow														
Depth In (m)									PVT					Na	pment ame	Run	Density	Density	/ De	ensity				1									
Total Drilled (m)							CIR	CULA	TION															1									
Hrs Run Today Pump#							Туре	Liner Siz	e SPM	1 Pres	sure Hou	rs Run																						
Cumulative Hrs Run								1	12	7	0	0	0																					
Entry Da	ate								2	14	0	0	0	0	MUE	D MAT		LS ADC																
CUTTING S	TRU	CTUR	Ξ		Drill Pipe	Stands	5										Product	t	A	mount	Туре													
TI		Gage			Drill Pipe	Singles	5		1																									
TO		ODC			Kelly Dowr	1		Rema	'ks:																									
MDC	Reaso	on Pulled			Tota	1																												
LOC	Total Ru	un (m/hr)			Weight of DO																													
BRG					Weight of String]																Remarks:												
METRES D	METRES DRILLED HOLE CONDITION																																	
From To								RED	UCE	D PU	MP :	SPE	ED									-												
	Torque at Bottom							Rump No. Brossure Strokog/min Dopth						Boile																				
	Fill on Bottom											Boile		Hours F	lup	рН	Stack	Tomp	SAF	ЕТҮ														
								@			DUII	ei #	HUUISF	huli	μn	OldUN	Temp				ę	Safety Topic					MEH	HL	MA	CP				
				1						@		@										load up	rig with	trucks/wa	rking at	heights						0.00kdaN		0kPa
																															-			

то	UR 3		SIGN/	ATURI	E OF	DRILLE	R				TREVOR COLBY															STAF							24:00				
BITS	;				DR		ASSI	ЕМВ	LY							DEVIATION SURVEYS								TIME LOG													
	Bit Numb	er			No	Componen	it 0	D ID	Length		Ν	Aud Typ	oe Wat	er 🗌	0il	Time	Depth	Deviati	on D	Direction	1	Гуре	From	n To	Elap	osed Co	ode		Details	s of Oper	rations in	Sequence	& Remarks				
	Size												Other										20:0	00 24:	00	4.0023	B WAITING	G ON DA'	YLIGHT	TO MO\	E WITH	TRUCKS					
	IADC Co	de										Tim	9						_																		
	Manufactur	er										Densit	´ —																								
	Ty									F	Funnel V						1		-																		
	Serial I	lo									Flu	uid Los	S																								
	Je	ts										pł	1																								
										Loci	ation of					SO	LIDS	CONT	٢RO	DL																	
	Depth Out (i											Dept					uipment			Intake	Over Flow		/														
	Depth In (i						\rightarrow	\perp				PV					Name	Ru	ın	Density	Density	Density															
	ital Drilled (i						\rightarrow			CIRC	_							_	_																		
	Irs Run Tod	-					\rightarrow			Pump#	Туре	Liner S	ze SPM	Pressi	ure Hours R	IU		_									_										
Cumu	lative Hrs R						\rightarrow	_		1		1:	_	0	0	0				S ADD							_										
	Entry Da			_						2		1.	10	0	0			Prod		S ADD		nount Type															
CUT	TING S	RUC		3		Drill Pipe		Stands							_			1100	uot		750	iount iypo	1	_			_										
			Gage ODC	<u> </u>		Drill Pipe		ingles																_	_		_										
TO		D		<u> </u>	-	Kelly Do	own iotal			Remar	ks:													_	_												
MDC	<u> </u>	Reasor Total Rur		<u> </u>	-	Weight of										_								_	_	_	_										
LOC BRG		iotai kur	i (m/nr)			Weight of Str										╢──						_	-														
	RES D					÷																	Rem	arks:													
From		D-R-C		WOB		LE CON	DED	UCE		IMD	SDEF	-D																									
FIUIII	10	D-u-0		WUB	11	Hole Drag Up Down					REDUCED PUMP Pump No. Pressure Strokes				Depth																						
		Torque at Bottom								i unp i	0. 116	@		@	Depui	Boi							SA.	FET)	,												
					Fill	on Bottom								@		Bo	oiler #	Hou	rs Rur	n	pH	Stack Temp	- OA		_		Safety Topi	nic				ME	HI	MACP			
-	+ +			<u> </u>	1				+	0		@		╢——		+									ouroty top					Mich							