License No	Well Na	ıme	FRON	T PA	GE SUN	IMAR'	Y			0Y5252	Sheet Serial 29_2016042 ce Location		Veno Pason	lor Software Prov	Version Loc Type	Uniqu	Ye Lie Well lo	2016	onth D	22 1	DAILY C) Daily Walk Ard) Detailed Inspections Pool	ound Inspe ection - We	ection eekly (Using	Check List)	DS DA		CAC	DC
31605 Operator ARC RESOURC Operator's AFE 16DRL0035 Signature of Op	ES		KLAND BO	15-09-08	1-16			Contra 83	ictor ISION DRILLING ictor's Job No cure of Contracto	, DIV OF F			Rig 529	BC J No	Well Typ HORIZ Spud Da 2016/04/2	te Time		1-16W6/00	Re-f	ntry 5 6 7 1 2 3) Rig Site Healt) CAODC Rig Sa) Mast Inspecti	aked formed ted BOPs - h & Safety afety Inspe on before I	Flare Lines &	& Degasser Lines ne/crew/month) list (one/rig/mg	nth)		asc	
Doug Shea	1	2	3	4	5	6	7		ACHESON	10	11	12	13	14 1			17	18	19	20) Crown Saver) Motor Kills Ch	Checked ecked	23	24	25		Pas Kelly Bushing 5.98	Op Fuel 1500.00
Tour 1 Tour 2		Drill ctual F	Reaming	Coring	Cond Mud & Circ	Trips	Rig Servi	Rep ce R		Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Nip Cement	ple Up Te BOP BO	st Drills DP Te			Squeeze Cement F	Fishing	Dir Work	Safety Meeting 0.25 1.00	Tear Down 7.0	\neg	g Rig Watch	Other	8.00 12.00	310	00.00 HOURS 00.00 Temp 0.00 05:00 2.00
Total	9.75	3.00 3.75				1.2		.25												0.7		7.0	00			4.00 24.00	II SW	IN Wind Strength UP TO 19 KM/H
TOUR ·	1	SIGN	ATURI		DRILLE						SYLVAIN A	RSENAULT									STAR	T TIN	ЛΕ	00:00	E	ND TIM	E	08:00
BITS Bit Nu				No No	Compone Compone				MUD RE	lud Type	Water	Oil 🔲	Time Dept				Туре		From	$\overline{}$	Elapsed Co						e & Remarks	
IADC Manufac				\blacksquare		+	H			Time Density	uici								00:00 06:00 06:15	06:00 06:15 07:00	6.0022 0.2521 0.751C	SAF	ETY MEE		TO WALKIN	NG RIG TO B		VALK TO NEXT WELL
	Type al No								Funnel V Flu	id Loss									07:00	08:00	1.0022	SPC	OT CATWA	LK, MANIFO	LD SHACK	AND RIG IN	LARE AND D	DEGASSER LINE'S
Depth Ou	Jets it (m)			\parallel			\forall		Location of	pH Sample Depth			SOLIDS Equipmen	CONTI	_	Over	Flow L	Jnder Flow										
Depth I Total Drille	n (m) d (m)								CIRCULA	PVT TION			Name	Run			nsity	Density										
Hrs Run 1 Cumulative Hrs Entry	Run					\pm	H		Pump# Type	Liner Size	SPM Pres	sure Hours Run	MUD M	ATERIA	LS AD	DED												
CUTTING		CTUF Gage			Drill Pipe Drill Pipe		ands							Produ			Amoun	nt Type										
MDC	1	OD(son Pulled	i 🗀			Total			Remarks:																			
BRG METRES		tun (m/hr) [Weight of St	tring	ON					-							Remark	KS:								
From To		RPM	WOB	Hol			Down		Pump No. Pres	ssure Str	okes/min	Depth	Boiler															
				Fill	on Bottom					@ @	@		Boiler #	Hours	Run	pН	Sta	ack Temp	SAF	ĒΤΥ		Safety	/ Topic			N	EHL	MACP
TOUR 2	2	SIGN	ATURI	E OF	DRILLE	R						RSENAULT									STAR	T TIN	ΛE	08:0	D E	END TIM	E	20:00
BITS Bit Nu	mher 1			DR No	ILLING Compone		_		MUD RE		Water ×	Oil 🔲	DEVIAT	ION SU			Туре		TIM From	E LOC	Elapsed Co	nde		Details o	of Operation	e in Segueno	e & Remarks	
IADC	Size Code		279	9 1E	BIT MOTOR	27	9 0	0.22m 8.81m			ther	011 🗀							08:00	08:15	0.25 21	SAFE	ETY MEETI	NG PRIOR TO				RIG IN FLARE AND
		OTTE 516GB		1	rossover sub ION MAG SLI IONE	CK 16	5 73	0.79m 9.22m	Funnel V	' -	1000 29s/l								08:15	10:00	1.75 1 0.25 21	SAF	ETY MEET	TING REVIEW	V COP ON	SKIDDING RI	G/SIMOPS/SI	EGASSER LINES. POT BUILDINGS.
5611		I.3 14.3 I.3 14.3	1280 14.3 14.3	3 1	SAP SUB ION MAG SLI MONE IARS-HYD/M	-		9.13m 5.49m	Location of	pH Sample	TANKS		SOLIDS	CONT	301				10:15	17:30	7.25 1 0.25 21	M.A))	FING WITH D			EVERYTHING	LOOKS GOOD. (D.A
Depth Ou Depth I	n (m)			1)	(/O HWDP	$\overline{}$	8 71	0.90m 9.36m		Depth PVT			Equipmer Name					Jnder Flow Density	17:45 19:00	19:00 19:15	1.25 6C 0.25 21	PIC	K UP BHA,	BIT MOTOR	MONELS ,.	JARS		
Total Drille Hrs Run 7 Cumulative Hrs	oday		0.29	5					Pump# Type	Liner Size		_							19:15	20:00	0.752	DRIL	LL 279MM	HOLE FROM	1 0M TO 72	М		
	Date 201				Drill Pipe	St	ands	0.00m	1ED 2COMBIN- 2ED	140		000 .5		ATERIA Produ		DED	Amoun	nt Type										
TI TO		Gage OD(2	Drill Pipe Kelly D	own		18.72m 8.00m	Remarks:				GEL				2	2 SX 22 SX										
LOC BRG	-	on Pulled lun (m/hr		1	Weight of S			72.32m 0kdaN 21kdaN											Remark	(S: HAZA	RDS IDENTIFIE	D W/EXIS	TING WELL	ON 4 HOLE PAI	D. EXTREME 1	TRIP HAZARD W	/SUB STAIRS PA	ARTIALLY BLOCKED
METRES From To			WOB	НО	LE CON	-	ON		REDUCE			ED							CREWS AF	RE AWARE /								IB AREA VIA THE STAIRS
0m 72	m DRIL	L	50 12kdal	11 10190	e at Bottom on Bottom		780	0.00Nm 0.00m	Pump No. Pre	© Str	okes/min @ @	Depth	Boiler #	Hours	Run	рН	Sta	ack Temp	OBSER SAF	VATION-		Safety	Tonic			M	EHL	MACP
										@	@								PRE- SF	PUD		ouioty	Торіо				45.00kdaN	0kPa
TOUR :	3	SIGN	ATURI		DRILLE ILLING		MRI	,	MUD RE		SYLVAIN A	RSENAUL	DEVIAT	ION SII	BVEVS	:			TIM	E LOC	STAR	T TIN	ΛE	20:0) <u>E</u>	ND TIM	E	24:00
Bit Nu	mber 1 Size		279	No	Compone		ID I			1ud Type	Water x	Oil 🗌		h Deviation			Туре		From 20:00		Elapsed Co	\rightarrow	LL 279MM	Details of			e & Remarks	
	turer SIC			10	MOTOR rossover sub ION MAG SLIC	1.0	4 72	8.81m 0.79m		Time Density									23:00 23:45	23:45 24:00	0.75 20 0.25 7					ONNECTION TESTED CROW		ALL TRAVEL STOPS.
	Type SS5 al No Jets 14	516GB I.3 14.3	1280	6 10	ONE SAP SUB ON MAG SL	16	5 80	9.22m 1.68m 9.13m	Funnel V Flu	id Loss pH												OK						
Depth Ou	14	1.3 14.3		1	IARS-HYD/M (/O	_		5.49m 0.90m	Location of				SOLIDS Equipmen	CONT		Over	Flow l	Jnder Flow										
Depth I Total Drille	d (m)		293	2	HWDP	11-	4 71	9.36m	CIRCULA	_			Name	Run	Densit	y Den	nsity	Density										
Hrs Run 1 Cumulative Hrs Entry		6/04/22	3.2			+			Pump# Type 1COMBIN- 2COMBIN-	Liner Size 140 127	125 10	500 4 500 4	MUD M	ATERI <i>A</i>	LS AD	DED												
TI TING	STRU	Gage	9		Drill Pipe Drill Pipe	Sir	ands ngles	252.72m 0.00m						Produ	t		Amoun	nt Type										
MDC LOC		ODC on Pullec tun (m/hr	1		Kelly D Weight o	Total		-6.00m 292.32m 0kdaN	Remarks:													+						
BRG METRES	j DRILL	.ED			Weight of S	tring	ON	35kdaN											_					PUMP EQUI			F,STRAP SUF	RFACE CASING
From To 72m 292	D-R-C m DRIL		W0B 50 13kdaN	Torque	e at Bottom	p 2		00.00Nm	Pump No. Pres	Ssure Str		Depth Depth	Boiler						SAF	ETV								
				Fill	on Bottom			0.00m		@	@		Boiler #	Hours	Run	pH	Sta	ack Temp	LEVEL			Safety	/ Topic			M	EHL 30.00kdaN	MACP 0kPa
V. 1.3																												

License 31	605	Well Nan		FRON			SUMM	ARY				0Y525 Surfa	Sheet Seria 29_2016042 ce Location 081-16W6	23_1A	Pas	son	BC [Loc Type DLS		Well Id	016		23 1) 2) 3) 4) 5)	Daily Walk Aro Detailed Insper H2S Signs Pos Well Licence & Flare Lines Sta	ind Inspection - Wei ted if Requ Stick Diag	ction ekly (Using (iired		DS	A.	CA	d D	5
Operato 16DRLO Signatu	SOURCE or's AFE 035 ire of Ope		resent	ative					P 0 8	Contractor's 3 Signature o	s Job No	ING, DIV OF I				Rig No 529	2	Well Type HORIZ Spud Date 2016/04/22 Rig Releas	19:15	ime		Re-E	1) (6) (7) (7) (8) (8) (8) (8) (8) (8) (8) (8) (8) (8) BOP Drills Perf) Visually Inspecto) Rig Site Health) CAODC Rig Sat) Mast Inspectio) Crown Saver C	& Safety I ety Inspec before R hecked	Meeting (on tion Checkl	e/crew/month list (one/rig/m	is DS D	IA IA	pas	Pason	>
COD		j D	2 Irill tual	3 Reaming	4 Corin	Conc	Mud	6	7 Rig Service	Repair Rig	9 Cut C			12 Run Csg & Cement	13 Wait On Cement	14 Nipple U BOP	15 Jp Test BOP	Drillste	em Plu	ug Si	18 queeze ement	19 Fishing	20 Dir Work	Motor Kills Che 21 Safety Meeting	222 Tear Down	23 Waiting	24 g Rig Watch	25 Other	тот	Kelly Bushin		Fuel 00.00 HOURS ler 0.00
Tour Tour Tour Tour	3		2.25				1.25	3.25 0.75 4.00						6.25	4.00	1.7	75 1.	.75					0.7	5 0.50 1.00 0.50					1	8.00 Time 2.00 CLE 4.00 Mind 4.00 Power 4.00 GOO	05:00 Ten 05:00 Win Condition One Condition	2.00 nd Strength TO 19 KM/H
	JR 1			NATUR	E OI	F DRI							SYLVAIN A											STAR	Г ТІМ	ΙΕ	00:0	00	END T		08:00	
BITS	Bit Num	ber 1			D No		NG AS	SEN			UD R	Mud Type	Water x	Oil 🗆	سبس		N SUR			Type		TIM:	E LOC	Elapsed Co	ie l	ĺ	Details	of Operati	ons in Sea	uence & Rem	arks	
	IADC C	Size		27	9 1	BIT MOTOF		279 204	0 0.	22m 81m		Time	03:00									00:00	02:15	2.252 0.7520A	DRIL		HOLE FROM	M 292 TO	458M TD	CTION TIME		
1	Manufacti T Serial	ype SS5	16GB	1280		1 Crossov 1 NON MA MONE 1 GAP SU	AG SLICK	164 165 165	73 9.	79m 22m 68m	Funn	Density el Viscosity Fluid Loss	1050 39s/l									03:00 03:30 03:45	03:30 03:45 06:15	0.505 0.2521 2.506M	SAFE	TY MEET		CREW ON	WIPPER	VEEP TRIP REV CO		IN HOLE
		lets 14.:	$\overline{}$	3 14.3 14.	.3 -	NON MA MONE	G SLICK	165	72 9.	13m	ocation	-	SHAKERS		SOLI	os c	ONTR	OL				06:15 07:00	07:00 07:45	0.755 0.756B	CON	OUT OF I	UD & CIRCI HOLE FROM	ULATE VI M 458M TO	S UP PRIO O 0M TO R	R TO TRIP O		
	Depth Out Depth In tal Drilled	(m)		45	0 1	1 X/O 1 HWDP		158	$\overline{}$	90m 36m	PCIII	Depth PVT LATION	458m 15m3		Equipr Nan CENTRIF	пе	Hours Run	Intake Density	Over F Dens		nder Flow Density 1600	07:45	08:00	0.2521	SAFE	TY MEET	TING/CREW	CHANGE	MEETING			
Н	lrs Run To ative Hrs I	day		2.2	5					Pum	ір# Ту			ssure Hours Rui																		
CUTI	ING S	ate 2016	TU	RE		5 Drill Pi		Star		\neg	2COME	SINED 127	125 14	4000 4	MUD	MAT	Product	S ADD	_	Amount												
TO MDC	3 4 BT	Reaso		C WT	9 (elly Down Total		-13. 457.		narks:				SAWDUS FLOWZAI					150	EACH EACH											
LOC BRG	H X	Total Ru		nr) 140.9		Weigh	ight of DC t of String		35k	kdaN kdaN														PECT RIG FLO						HUNT,STRAP	SURFACE C	ASING
From 292m	To 458m	D-R-C DRILL	RPN	M W0B	Н	ole Drag			Down 1			Pressure St		Depth								HAZARD	ID - TRO	FORM DROP DUBLE SHOO TO PLUG IN W	TING AC	IN DRIVE	HOUSE, NO	TICED HA	TCH FOR F			_
					11	II on Bot				00m		@	@		Boiler Boiler		Hours R	un	рН	Sta	ck Temp	SAFE			Safety	Topic				MEHL	MA	
TO	JR 2		SICI	NATUR	E O	F NRI	IIED	_				@	@	ARSENAUL"								WIPPER	TRIPO	STAR	T TIM	IE .	08:0	20	END 1	37.00kd	20:00	0kPa
BITS	-		014		DI	RILLI	NG AS				UD R	ECORD					N SUR			T			LOC	3				-				
	Bit Num	Size	Г		No	Con	nponent	OD	ID Len	gth			Water × other 13:30	Oil L	I IIIIe D	ериі С	leviation	Direction		Туре		08:00 08:15	To 08:15	0.25 21 0.75 6D	SAFE	TY MEET	ING WITH			Jence & Rem LY OUT B.H.A	arks	
1	Manufacti				E						Funn	Density el Viscosity	1080 48s/l			+							09:15 09:45	0.25 21 0.50 12A	SAFE	TY MEET	ING WITH T					
	Serial	No			┢					╣,	ocation	Fluid Loss pH of Sample	SHAKERS									13:15	13:15	3.50 12B 0.25 12A	RIG (OUT TONG	219MM CAS G HAND/GE	T READY	ТО СЕМЕ			
	Depth Out Depth In				F			\Box			Location	Depth PVT	461m 10m3		Equipr Nan	nent	Hours Run	Intake Density	Over F Dens		nder Flow Density	13:30 13:45 14:15	13:45 14:15 15:30	0.25 21 0.50 12C 1.25 12C	CLE/	N FLOOR	R AND RIG U O ahead, 22	JP CEMEI	NTERS,	.CL2 2% LCM-	2 0.2% AFA-6	(19.91m³).
Н	tal Drilled Irs Run To ative Hrs I	day			Ł						ір# Ту	Pe Liner Size											\dashv		6.5m		eturns to su			500 Kpa over 5:30hrs. 04/23		
	Entry D	ate	TU	RE		Drill Pi	pe	Star	ıds		1SING 2SING			3000 0	MUD	MAT	ERIAL Product	S ADE		Amount	Туре	15:30 15:45	15:45 19:45	0.25 12C 4.00 13	RIG (OUT CEMI	ENTERS					
TI TO			Gaq OE	С		Drill Pi	elly Down		les	Ren	narks:											19:45	20:00	0.25 21	SAFE	TY MEET	ING/CREW	CHANGE	MEETING			
LOC BRG	目	Reaso Total Ru			1		Total ight of DC it of String															Remark	S: FUN	CTION UPPE	R AND L	OWER TR	RAVEL LIMIT	TS AND S	TOPS/CRO	WN SAVER		
MI=TI From	RES D	D-R-C		M WOB	_		COND	TIO	Down			ED PUI			ĺ							VIS INS	PECTION	N OF DRAWC	TONGS	,ELEVATO	ORS AND S					
					71	que at Bot II on Bot				Pum	p No.	Pressure St	rokes/min @ @	Depth	Boiler Boiler		Hours R	un	рН	Sta	ck Temp	SAF		RTS{9 5\8 SID	Safety		ORS 65 TON	IS P/N E3	8-809-141	S/N 210350 MEHL	MA	CP
												@	@									RUNNIN	G CASIN	NG .				7		38.00kd	aN	0kPa
TOU	JR 3		SIGI	NATUR			LLER NG AS	SEN	IBLY	м	UD R	ECORD	SYLVAIN A	ARSENAUL	DEVI	ATIO	N SUR	VEYS				TIME	E LOC	STAR	T TIM	E	20:0	00	END 1	IME	24:00	
		Size			No	Con	ponent	OD	ID Leng	gth		. (Water	Oil 🗌	Time D	epth D	leviation	Direction		Type		From 20:00	20:15	Elapsed Cor 0.25 21	SAFE		ING ON NIF	PPLE UP I	BOP REV			
1	IADC C Manufacti T				ŧ						Funn	Time Density el Viscosity										22:00	22:00 22:15 22:30	1.75 14 0.25 21 0.25 15	SAFE	TY MEET	ING WITH F	PRESSUR	E TESTER	FCT ALL BC		
	Serial				E							Fluid Loss pH										-	24:00	1.50 15A	PRES	SURE TE	ST UPPER/	LOWER K	ILL LINES/	IPPER/LOWE	R HCR'S/ UPF	PER PIPE
	Depth Out				┢						Location	of Sample Depth PVT			SOLII Equipr Nan	nent	Hours Run	Intake Density	Over F Dens		nder Flow Density		\dashv		_		HIGH/LOW			21,000 HIGI 00 KPA	l/ 1000 KPA L	OW . ALL
Tot H	tal Drilled Irs Run To	(m) day			E			H		CII Pum		LATION pe Liner Size	SPM Pres	ssure Hours Rui																		
	Entry D	ate	etilli	RF		Drill Pi	ne	Star	nde		2	140 127	0	0 0	MUD	MAT	ERIAL Product	S ADD		Amount	Туре		\dashv									
TI TO			Gaç OC	ge		Drill Pi		Sing		Rem	narks:																					
MDC LOC BRG	=	Reaso Total Ru					Total ight of DC it of String															Remort	e. Eliki	CTION TRAV	FI STOP	SA IMITO	& CDOWN	SAVED				
	RES D	RILL D-R-C		M WOB	_		COND	TIO	Down			ED PUI										INSPECT INSPECT	TOP DRI	VE/ ELEVATOR	S/BALES	S/ ALL OVER	RHEAD EQUE	PIMENT-INS				
					Toro	que at Bot II on Bot	tom			Pum	p No.	Pressure St	rokes/min @ @	Depth	Boile:		Hours R	un	pН	Star	ck Temp	SAF		PE BUGGY/ N	Safety		RL			MEHL	l MA	CP
V. 1.3					1							@	@		<u> </u>	\dashv						NIPPLE	UP BOP		oardly	. opio				16.00kd		0kPa

FRONT PAGE SUMMARY	Tour Sheet Serial Number 0Y52529_20160424_1A	Vendor Software Version Pason		na 24 1) Daily Wa	Y CHECKS alk Around Inspection d Inspection - Weekly (Using Check List)	OP RM DS DA
License No Well Name 31605 ARCRES HZ PARKLAND B05-09-081-16 Operator	Surface Location 05-09-081-16W6 Contractor		que Well Id 2/14-08-081-16W6/00	3) H2S Sig 4) Well Lic 5) Flare Lii	gns Posted if Required ence & Stick Diagram Posted nes Staked	DS DA DS DA DS DA
uperation NRC RESOURCES Operator's AFE	PRECISION DRILLING, DIV OF PDCLP Contractor's Job No	529 HORIZ Spud Date Time		7) Visually I	ills Performed Inspected BOPs - Flare Lines & Degasser Lin Health & Safety Meeting (one/crew/mont	nason
6DRL0035 Signature of Operator Representative Doug Shea	83 Signature of Contractor's Rig Manager DAVE ACHESON	2016/04/22 19:15 Rig Release Date		2) CAODC 3) Mast Ins 4) Crown S	Rig Safety Inspection Checklist (one/rig/n spection before Raising or Lowering Saver Checked	nonth) DA Pason
CODE 1 2 3 4 5 6 7	8 9 10 11 12		17 18	19 20 2		25 Kelly Bushing Op Fuel 5.98 5000.00 FUEL @ 08:00 HOURS
Rig Drill Reaming Coring Cond Mud Trips Rig	Repair Cut Off Dev Wireline Run Csg Rig Drilg Line Survey Logs & Cement		Plug Squeeze Back Cement F	ishing Dir Safe Work Mee		Other TOTAL Rig 23000.00 Boiler 0.00
Tour 2 8.75 0.5 Tour 3 3.25 0.2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 				0.50	12.00 2000 2.00 2.00 2.00 2.00 2.00 2.00
Total 14.25 1.75 0.7		1.75			1.50	24.00 Read Condition
TOUR 1 SIGNATURE OF DRILLER	SYLVAIN ARSENAUL				FART TIME 00:	00 END TIME 08:00
DRILLING ASSEMBLY No Component OD ID Le		DEVIATION SURVEYS Time Depth Deviation Direction	Туре	From To Elapsed	1 1	of Operations in Sequence & Remarks
IADC Code 1 MOTOR 160 0	0.28m Other 8.91m Time 00:30 9.17m Density 1230	04:45 521.72m 1.3 201 05:15 550.97m 0.4 273.7		00:00 01:30 1.5	RAMS/LOWER PIPE RAMS	I/LOWER KILL LINES/UPPER/LOWER HCR'S/ UPPER PIPE S/BLIND RAMS/CHOKE LINES/MANIFOLD LINES/STABBING IK VALVES/ ALL TESTS 21,000 HIGH/ 1000 KPA LOW . ALL
Type FX65DRM 1 GAP SUB 166 76	1.66m Funnel Viscosity 30s/l 9.10m Fluid Loss	05:45 580.22m		01:30 01:45 0.2	TESTS 10 MIN HIGH/LOV	V. PT ANNULAR. 10,500 KPA recharge=6500Kpa, Start Press.=20500KpA, Annular
Jets 8.7 8.7 8.7 1 NM FLEX MONEL 159 72	8.66m pH	06:30 838.72m			19sec.T/C, Up/Low Pipe R	Rams 5sec.T/C Each, Upper/Lower HCR 2sec.T/O Each, Recharge Time=2mins.31secs. N2 bttl.x4 @ 15170kPa
	0.90m Depth 458m 6.32m PVT 105m3	Equipment Hours Intake Ove Name Run Density De	er Flow Under Flow Density		SAFETY MEETING ON M. DIRECTIONAL WORK MA	AKE UP BHA WITH DD COP 2-1 ADE UP BHA
Total Drilled (m) 283 Hrs Run Today 3.00	Pump# Type Liner Size SPM Pressure Hours Run	CENTRIFUGE 4 1235	1230 1800		JETA JAND	O ALL CREW MEMBER AT POSITION , GOOD CREW RESPONSE
Cumulative Hrs Run 3.00 Entry Date 2016/04/24	1 COMBINED 140 98 15000 4 2 COMBINED 127 98 15000 4	MUD MATERIALS ADDED Product	Amount Type		 	ENT @ 444M AND CASING FLOAT COLLAR @ 456M
TI Gage 0 Drill Pipe Singles	0.53m 0.00m	REACTION REDUCTION	Amount Type 2 EACH 5 EACH	-	75 20A DIRECTIONAL SURVEYS	CONNECTION TIME
MDC Reason Pulled Total 74	0.00m Remarks: 1.00m OkdaN	PREVENTION ALKALIME DEFOAMER DSCO	1 EACH 2 EACH 1 EACH	07:45 08:00 0.2	2521 CREW CHANGE MEETIN	G
	BkdaN	DEFOAMER DSCO DEFOAMER SILICONE NEWFLOC	2 EACH 1 EACH		TRAVEL STOPS/LIMITS & CROWN	SAVER IPIMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT
From To D-R-C RPM WOB Hole Drag Up 1 Down 458m 741m DRILL 45 8kdaN Torque at Bottom 7000	Down No. Downson Obstaclastic Double			INSPECT CHOKE LINES/		D VALVE ALIGNEMENT-FUNCTION FLARE STACK IGNITER
Torque de Societi	0.00m 2 3200 @ 98 @ 506	Boiler Boiler # Hours Run pH	Stack Temp	SAFETY	Safety Topic	MEHL MACP
	@ @			MADE UP BHA		45.00kdaN 2769kP
TOUR 2 SIGNATURE OF DRILLER	MITCH ARSENAUL				FART TIME 08:	00 END TIME 20:00
	ngth O 28m Other	DEVIATION SURVEYS Time Depth Deviation Direction	Туре			of Operations in Sequence & Remarks
IADC Code 1 1MOTOR 160 0	0.28m Uther 8.91m Time 08:00 11:00 9.17m Density 1230 1220	09:15 784.97m		08:00 08:15 0.2 08:15 08:30 0.2	AFTERWARDS	JRE CREW IN PLACE IN 90 SEC, SAFETY MEETING HELD PUMP#2 865TKS= 2600K.P.A / FUNCTION UPPER PIPE RAMS 3
Type FX65DRM 1GAP SUB 166 76	1.66m Funnel Viscosity 31s/l 31s/l 9.10m Fluid Loss	10:00 843.47m 0.8 52.1 10:30 872.72m 0.5 29.4		08:30 16:30 8.0	STC	
Jets 8.7 8.7 8.7 1NM FLEX MONEL 159 72	8.66m pH	11:00 901.97m 0.2 49.3 11:30 931.22m 0.3 14.7 SOLIDS CONTROL			5 20A DIRECTIONAL SURVEYS	
Depth Out (m) 1X/O 158 71	Depth 740m 902n 5.32m PVT 89m3 93m3	Equipment Hours Intake Ove	er Flow Under Flow Density	17:30 18:15 0.7	STC	DM 1238M TO 1355M
Total Drilled (m) 897	CIRCULATION Pump# Type Liner Size SPM Pressure Hours Rur	WHIRLYBIRD 12 1230 BLACKSTONE 12 1230	1200 1760 1190 1790		50 20A DIRECTIONAL SURVEYS 25 21 SAFETY MEETING/CREW	
Cumulative Hrs Run 11.75 Entry Date 2016/04/24	1 COMBIN- ED 140 96 17000 12 2 COMBIN- ED 127 96 17000 12	MUD MATERIALS ADDED	Amount Tree			
TI Gage o Drill Pipe Singles	5.25m 0.00m	Product REDUCTION DYNAFIBER	7 SX 8 SX			
MDC Reason Pulled Total 135	0.00m Remarks: 5.72m	SAWDUST PREVENTION	14 SX 1 BBL			
	9kdaN	DEFOAMER SILICONE WALNUT REACTION	1 PAILS 8 SX 2 PAILS		TRAVEL STOPS/LIMITS & CROWN	I SAVER
From To D-R-C RPM WOB Hole Drag Up 4 Down	REDUCED PUMP SPEED OONING Pump No. Pressure Strokes/min Depth			INSPECT CHOKE LINES/		D VALVE ALIGNEMENT-FUNCTION FLARE STACK IGNITER
Torque at Bottom 7 000	0.00m 2 2600 @ 86 @ 740 1 4800 @ 96 @ 1238	Boiler Boiler # Hours Run pH	Stack Temp	SAFETY	Safety Topic	MEHL MACP
	@ @			DERRICK CONNECTION	NS .	55.00kdaN 2769kPs
TOUR 3 SIGNATURE OF DRILLER	SYLVAIN ARSENAUL	DEMAZION CURVEYO			TART TIME 20:	24:00 END TIME 24:00
Bit Number 2 No Component 0D ID Le		DEVIATION SURVEYS Time Depth Deviation Direction	Туре			of Operations in Sequence & Remarks
IADC Code 1MOTOR 160 0	0.28m Other 8.91m Time 20:00 9.17m Density 1240	21:00 1399.22m		20:00 23:15 3.2 23:15 23:45 0.5 23:45 24:00 0.2	0 20A DIRECTIONAL SURVEYS	
Type FX65DRM 1GAP SUB 166 76	1.66m Funnel Viscosity 9.10m Fluid Loss	22:15 1457.72m 0.3 96.5 23:00 1488.97m 0.5 74.2		23:45 24:00 0.2	SI RIG SERVICE FCT LOWE	ER PIPE RAW 4 SEC TO CLOSE
Jets 8.7 8.7 8.7 1NM FLEX MONEL 159 72	8.66m pH	SOLIDS CONTROL				
Depth Out (m) 1X/O 158 71	0.90m Depth 1300m 16.32m PVT 90m3	Equipment Hours Intake Ove	er Flow Under Flow Density			
Total Drilled (m) 1046 Hrs Run Today 3.25	CIRCULATION Pump# Type Liner Size SPM Pressure Hours Run	CENTRIFUGE 4 1240	1235 1600			
Cumulative Hrs Run 15.00	1D 140 98 18200 4 2COMBIN- 127 98 18200 4	MUD MATERIALS ADDED	Amount T			
	0.00m	Product	Amount Type			
MDC Reason Pulled Total 150	3.00m Remarks:					
	OkdaN 8kdaN				TRAVEL STOPS/LIMITS & CROWN	SAVER
From To D-R-C RPM WOB Hole Drag Up 3 Down	REDUCED PUMP SPEED OONING Pump No. Pressure Strokes/min Depth			INSPECT CHOKE LINES/		IPMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT LD VALVE ALIGNEMENT-FUNCTION FLARE STACK IGNITER
	0.00m	Boiler Boiler # Hours Run pH	Stack Temp	SAFETY	Safety Topic	MEHL MACP
<i>L</i> 1.3	@ @			DP CONNECTION		64.00kdaN 2769kPr
						1 01 0

FRONT PAGE SUMMARY License No Well Name	Tour Sheet Serial Number 0Y52529_20160425_1C Surface Location	Pason 2016 Prov Loc Type Unique Well Id	flonth Day 0.4 25 1) Daily Walk Around Inspection DS 2) Detailed Inspection - Weekly (Using Check List) DS NES Signs Posted if Required DS	CAODC
31605 ARCRES HZ PARKLAND 805-09-081-16 Properator RC RESOURCES Properator's AFE	05-09-081-16W6 Contractor PRECISION DRILLING, DIV OF PDCLP Contractor's Job No 83	BC DLS 102/14-08-081-16W6/00 Rig No	Re_Entry 5 Flare Lines Staked DS DA Sol Dorl Dills Performs - Irare Lines & Dogasser Lines DS DA Nissaliy Inspected 80Ps - Rare Lines & Dogasser Lines DS DA Nisglish Health & Safety Meeting (one/crew/month) 2) CADDC Rig Safety Inspection Checklist (one/rig/month)	pason
loug Shea	Signature of Contractor's Rig Manager DAVE ACHESON	Rig Release Date Time	Mast Inspection before Raising or Lowering Crown Saver Checked Motor Kills Checked	Pason Kelly Bushing
Rig	5	13 14 15 16 17 18 Wait On Nipple Up Cement BOP Test BOP Plug Squeeze Back Cement Cement	0.75 0.50 1:	FUEL @ 08:00 HOURS
TOUR 1 SIGNATURE OF DRILLER	5 SYLVAIN ARSENAULT			4.00 Road Condition
TOUR 1 SIGNATURE OF DRILLER BITS DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	IMI= 08:00
IADC Code 1 MOTOR 160 0	Mud Type Water X 0il 0.28m 8.91m 0.0:00 1.240 0.95m 1.240 0.95m 1.66m Fluid Loss 8.66m 5.47m 0.90m 0.90m 0.90m 0.90m 0.90m 0.90m 0.90m 0.90m 0.90m 0.32m 0	Time Depth Deviation Direction Type	From To Elapsed Code Details of Operations in Seq.	
TO ODC Kelly Down MDC Reason Pulled Total 167	Pump# Type Uner Size SPM Pressure Nours Run 1 COMBREC 140 98 17300 8 2 COMBRED 127 98 17300 8 6.53m 0.00m Remarks: 7.000 7.000	MUD MATERIALS ADDED		
BRG Weight of String 51	REDUCED PUMP SPEED	NEWFLOC	Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER INSPECT TOP DRIVE/ ELEVATORS/ BALES/ ALL OVERHEAD EQUPIMENT-INSPECT NOV: INSPECT CHOKE LINES/HCR SMILL LINES/ CHECK MANIFOLD VALVE ALIGNEMEN INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL SAFETY Safety Topic TRIP OUT	
TOUR 2 SIGNATURE OF DRILLER	MITCH ARSENAULT		START TIME 08:00 END T	IME 20:00
IADC Code	0.28m	Devitation Surveys Deviation Direction Directi	TIME LOG From To Elapsed Code Details of Operations in Seq.	MS 3 SEC T/CLOSE 10MIN FLOW CHECKS @ 1701M,1560M SHTAND WORK TIGHT HOLE @1165M) MEETING ON TRIP OUT
Entry Date 2016/04/24 CUTTING STRUCTURE 45 Drill Pipe Stands 1311	2 COMBIN- 127 100 17500 12	MUD MATERIALS ADDED Product Amount Type WALNUT 6 SX		
TO T ODC ER Kelly Down Total Tot		DYNAFIBER 2 SX REDUCTION 4 BOXES SAWDUST 15 SX ALKALIME 1 SX REACTION 1 PAILS DEFOAMER SILICONE 1 PAILS Protection 20L Pail 4 PAILS CALCIUM NITRATE 60 ALS BOÎLET Hours Run pH Stack Temp		
TOUR 3 SIGNATURE OF DRILLER DRILLING ASSEMBLY	SYLVAIN ARSENAULT	DEVIATION SURVEYS	START TIME 2000 END T	IME 24:00
No Component OD ID Le		Time Depth Deviation Direction Type SOLIDS CONTROL Equipment Name Run Density Density Density Density Density Density	From To Elapsed Code Details of Operations in Seq.	@ 455M @ TOOLS @OM TRIP CALC WAS B.FCT BLIND RAM @OM OUT BIT,MOTOR,GAP SUB DP 2-5
Cumulative Hrs Run	1\$INGLE 140 0 2500 0 25INGLE 127 100 2500 .5	MUD MATERIALS ADDED Product Amount Type	Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER INSPECT TOP DRIVE/ELEVATORS/BALES/ALL OVERHEAD EQUIPMENT-INSPECT NOV.	ST-80 & & T-DBH ELOVO COLUMNATOR
HOLE CONDITION	Pump No. Pressure Strokes/min Depth	Boiler	INSPECT CHOKE LINES/HCR'S/KILL LINES/ CHECK MANIFOLD VALVE ALIGNEMEN INSPECT ESCAPE BUGGY/ MONKEYBOARD SRLC	
Fill on Bottom		Boiler # Hours Run pH Stack Temp	SAFETY Safety Topic DISPLACE MUD	MEHL MACP 60.00kdaN 2769kPa 1 of 2

FRONT PAGE SUMMARY	Tour Sheet Serial Number 0Y52529_20160426_1D		DAILY CHECKS OP RM
License No Well Name 31605 ARCRES HZ PARKLAND B05-09-081-16 Operator	Surface Location 05-09-081-16W6	Prov Loc Type Unique Well Id 102/14-08-081-16W6/00 Rig No Well Type	3) H2S Signs Posted if Required 4) Well Licence & Sich Bigram Posted 5) Flare Lines Staked DM DA DA DA DA DA
ARC RESOURCES Operator's AFE	PRECISION DRILLING, DIV OF PDCLP Contractor's Job No	Rig No	Re-Entry S 80P Inits Performed 7 Visually impacted 80Ps - Hare Lines & Degasser Lines DM DA 1 10 10 10 11 11 11 11
16DRL0035 Signature of Operator Representative	83 Signature of Contractor's Rig Manager	2016/04/22 19:15 Rig Release Date Time	1) Rig Site Health & Safety Meeting (one/crew/month) 2) CAODC Rig Safety Inspection Checklis (one/rig/month) 3) Mast Inspection before Raising or Lowering 4) Crown Saver Checked Pason
CODE 1 2 3 4 5 6 7	DAVE ACHESON 8 9 10 11 12	13 14 15 16 17 18	5) Motor Kills Checked 19 20 21 22 23 24 25 Kelly Bushing Op Fael 4000.00
Rig Drill Reaming Coring Cond Mud Trips Rig	Repair Cut Off Dev Wireline Run Csg e Rig Drilg Line Survey Logs & Cement		Fishing Dir Safety Tear Waiting Rig Other TOTAL Rig 14500.00 Boild Co.00
	25 50		0.75 0.25 8.00 T to 55.00 to 50.00 to 5
Total 3.25 0 Total 17.25 1.75 2.00 1	25 00		0.50
TOUR 1 SIGNATURE OF DRILLER	SYLVAIN ARSENAUL	Т	START TIME 00:00 END TIME 08:00
BITS DRILLING ASSEMBLY		DEVIATION SURVEYS	TIME LOG
Bit Number 3	ength Mud Type Water	Time Depth Deviation Direction Type	From To Elapsed Code Details of Operations in Sequence & Remarks 00:00 01:00 1.00 SA TRIP IN HOLE FILL PIPE @ 470M,1270M
Manufacturer	1.44m Density 1160 9.17m Funnel Viscosity 31s/l	05:15 1735.74m 13.1 7 06:00 1750.37m 15 1.4	01:00 02:00 1.00 C DISPLACE WELL BORE TO 1160 KG BRINE WATER 18 1270M FLOW CHECK 10 MIN 02:00 03:00 1.00 SA TRIP IN HOLE FROM 1270M TO 1702M 10:00 03:45 0.75 CIRCULATE ONE FULL BOTTOM UP THEN FLOW CHECK 10 MIN
Mone 162 72	1.60m Fluid Loss 9.10m pH	06:45 1764.99m 16.5 357.1	03:00 03:44 0.755 CIRCULATE ONE FULL BOTTOM UP THEN FLOW CHECK 10 MIN 03:45 06:45 03:00 DRILL 200MM HOLE FROM 1702M TO 1785M 06:45 07:30 0.750A DIRECTIONAL SURVEYS, WORK PIPE, CONNECTION TIME
11.1 11.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8.66m	SOLIDS CONTROL Equipment Hours Intake Over Flow Under Flow	07:30 07:45 0.257 RIG SERVICE FCT ANNULAR 19 SEC TO CLOSE 07:45 08:00 0.2521 CREW CHANGE MEETING
Depth In (m) 1702 1 X/O 158 71	0.90m PVT 70m3 46.32m CIRCULATION	Equipment Hours Intake Over Flow Under Flow Name Run Density Density Density Density CENTRIFUGE 8 1160 1160 1800	
Hrs Run Today 3.50 Cumulative Hrs Run 3.50	Pump# Type Liner Size SPM Pressure Hours Ru 1 COMBINED 140 96 11000		
Entry Date 2016/04/25	200MBINED 127 96 11000 4	MUD MATERIALS ADDED Product Amount Type	
TI Gage O Drill Pipe Singles	0.00m 10.62m Remarks;	REACTION	
	85.00m	ALKALIME 5 EACH	
METRES DRILLED Weight of String METRES DRILLED HOLE CONDITION			Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER INSPECT TOP DRIVE/ ELEVATORS/ BALES/ ALL OVERHEAD EQUIPMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT
From To D-R-C RPM WOB Hole Drag Up 4 Down 1702m 1785m DRILL 45 13kdaN Torque at Bottom 700	4 REDUCED PUMP SPEED 0.00Nm Pump No. Pressure Strokes/min Depth	Boiler	INSPECT CHOKE LINES/HCR'S/KILL LINES/ CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IGNITER INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL
Fill on Bottom	0.00m @ @	Boiler # Hours Run pH Stack Temp	SAFETY Safety Topic MEHL MACP
			DISPLACE WELL BORE TO BRINE WATER 62.00kdaN
TOUR 2 SIGNATURE OF DRILLER	MITCH ARSENAUL		START TIME 08:00 END TIME 20:00
	ength Mud Type Water × Oil	DEVIATION SURVEYS Time Depth Deviation Direction Type	TIME LOG From To Elapsed Code Details of Operations in Sequence & Remarks
Size 200 1BIT 200 0	0.25m Other 8.71m Time 08:00 11:0	TI 00:45[4000 07-] 24 7 348[08:00 09:00 1:002 DRILL 200MM HOLE FROM 1785M TO 1795M 09:00 09:15 0:2520A DIRECTIONAL SURVEYS/CONNECTIONS
Manufacturer HALIBURTON 1NEAR BIT 180 55	1.44m Density 1160 116 9.17m Funnel Viscosity 30s/l 31s 1.60m Fluid Loss	10:45 1823 49m 26.8 347.5	09:15 09:30 0.25 RIG SERVICE:RSPP@1795M PUMP#2 86STKS=2100K P.A/ F/T UPPER PIPE RAMS 3 STC 09:30 16:30 7.00 DRILL 200MM HOLE FROM 1795M TO 1912M10 MIN FLOW CHECK@ 1862MTOP OF
Serial No	9.10m pH	12:45 1852.74m 31.6 342.9 14:00 1867.37m 34.6 342.2	DOIG 16:30 16:45 0.25:20A DIRECTIONAL SURVEYS/CONNECTIONS 16:45 17:00 0.25/7 RIG SERVICE/RSPP@1912M PUMP#1 86 STKS= 3500K P. A/ F/T LOWER PIPE RAMS 3 STC
Depth Out (m) 1JARS-HYD/MECH 166 57	5.47m Depth 1780m 1831r	Equipment Hours Intake Over Flow Under Flow	16:45 17:00 0.25f RIG SERVICE/RSPP® 1912M PUMP#1 86 STKS- 3900K.P.AI F/T LOWER PIPE RAMS 3 STC 17:00 20:00 3:00 2 DRILL 200MM HOLE FROM 1912M TO 1931M
100 130 71	0.90m	CENTRIFUGE 12 1170 1160 1730	
Cumulative Hrs Run 13.50 Intry Date 2016/04/25	1 COMBIN- 140 86 12000 11: 2 COMBIN- 127 86 12000 11:	MUD MATERIALS ARRED	
	21.00m 0.00m	Product Amount Type REDUCTION 12 EACH	
	19.00m Remarks: 31.62m	ALKALIME	
BRG Weight of String	'1kdaN OkdaN	DYNAFIBER 6 EACH NEWFLOC 1 EACH	Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER
METRES DRILLED HOLE CONDITION			INSPECT TOP DRIVE/ELEVATORS/BALES/ALL OVERHEAD EQUIPMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT INSPECT CHOKE LINES/HCR'S/KILL LINES/ CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IGNITER
1785m 1931m DRILL 35 15kdaN Torque at Bottom 750	0.00Nm Pump No. Pressure Strokes/min Depth 2 2100 @ 86 @ 1799	Boller # nours Rull pr Stack lettip	INSPECT ESCAPE BUGGY/MONKEYBOARD SRL SAFETY
	1 3500 @ 86 @ 191:	2	Safety Topic MEHL MACP DERRCK CONNECTIONS 80.00kdaN 2769kPa
TOUR 3 SIGNATURE OF DRILLER	SYLVAIN ARSENAUL	<u></u>	START TIME 20:00 END TIME 24:00
DRILLING ASSEMBLY		DEVIATION SURVEYS Time Depth Deviation Direction Type	TIME LOG From To Elapsed Code Details of Operations in Sequence & Remarks
Size 200 1BIT 200 0 1ADC Code 1 1MOTOR 2 1	0.25m Other	21:15 1940.49m 46.2 338.7 23:00 1955.12m 47 336.6	20:00 23:16 3.252 ORILL 200MM HOLE FROM 1931M TO 1964M 23:15 23:45 0.5020A DIRECTIONAL SURVEYS, CONNECTION TIME
Manufacturer	1.44m Density 1160 9.17m Funnel Viscosity 32s/l	-	23:45 24:00 0.257 RIG SERVICE FCT LOWER PIPE RAM 4 SEC TO CLOSE
Serial No	1.60m Fluid Loss 9.10m pH		
11.1 11.1 11.1 1NM FLEX MONEL 159 72 Depth Out (m) 1UARS-HYD/MECH 166 57	8.66m Location of Sample SHAKERS 5.47m Depth	SOLIDS CONTROL Equipment Hours Intake Over Flow Under Flow	
Depth In (m) 1702 1X/O 158 71	0.90m PVT 46.32m CIRCULATION	Name Run Density Density Density CENTRIFUGE 4 1160 1160 1400	
Hrs Run Today 3.25 Cumulative Hrs Run 16.75	Pump# Type Liner Size SPM Pressure Hours Ru	4	
Entry Date 2016/04/25 CUTTING STRUCTURE 32 Drill Pipe Stands 1:	2COMBIN- 4 98 11800 4	MUD MATERIALS ADDED Product Amount Type	
Ti	0.00m		
LOC Total Run (m/hr) Weight of DC	31.62m 71kdaN		
	OkdaN REDUCED PUMP SPEED		Remarks: FUNCTION TRAVEL STOPSALMITS & CROWN SAVER INSPECT TOP DRIVE/ ELEVATORS/ BALES/ ALL OVERHEAD EQUIPMENT— INSPECT TOP DRIVE/ ELEVATORS/ BALES/ ALL OVERHEAD EQUIPMENT— INSPECT COUNTY INFEAUDISM/ LINES/ CONTROL MANIFOLD AND AND AND AND AND AND AND AND AND AN
1931m 1964m DRILL 3515.5kdaN Torque at Bottom 750	0.00Nm Pump No. Pressure Strokes/min Depth	Boiler	INSPECT CHOKE LINESHORS SKILL LINES! CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IGNITER INSPECT ESCAPE BUGGY/MONKEYBOARD SRL SAFETY
Fill on Bottom	0.00m @ @	Boiler # Hours Run pH Stack Temp	Safety Topic MEHL MACP SCRUB AND CLEAN 70.00kdaN 3033kPa
V. 1.3			1 of 6

FRONT PAGE SUMMARY	Tour Sheet Serial Number 0Y52529_20160427_1A	Vendor Software Version Pason	2016 0	1) Daily Walk	CHECKS K Around Inspection Inspection - Weekly (Using Check List)	OP RM DM DA
License No Well Name 31605 ARCRES HZ PARKLAND B05-09-081-16 Operator	Surface Location 05-09-081-16W6 Contractor		ique Well Id 02/14-08-081-16W6/00	3) H2S Signs	s Posted if Required nce & Stick Diagram Posted es Staked	DM DA DM DA DM DA DM DA
Decrator's AFE	PRECISION DRILLING, DIV OF PDCLP Contractor's Job No	529 HORIZ Spud Date Time	9	7) Visually Ins	s Performed spected BOPs - Flare Lines & Degasser Lines lealth & Safety Meeting (one/crew/month)	nason
6DRL0035 Signature of Operator Representative	83 Signature of Contractor's Rig Manager DAVE ACHESON	2016/04/22 19:15 Rig Release Dat		2) CAODC Ri	ig Safety Inspection Checklist (one/rig/mo ection before Raising or Lowering ver Checked	DA Pason
CODE 1 2 3 4 5 6 7	8 9 10 11 12	13 14 15 16		19 20 21	22 23 24	25 Kelly Bushing Op Fuel 5.98 4500.00
Rig Drill Reaming Coring Cond Mud Trips Rig Service Cond Reaming Coring Rig Coring Rig Coring Rig Coring Rig Rig	Repair Cut Off Dev Wireline Run Csg Rig Drilg Line Survey Logs & Cement	Wait On Nipple Up Test Drillstem BOP BOP Test	Plug Squeeze Back Cement Fi	ishing Dir Safety Work Meetir 0.50 0.	ng Down On Watch	Other TOTAL Fig 27000.00 Boiler 0.00
Tour 2 10.50 0.2 Tour 3 2.25 1.00 0.25 0.2	5			1.00 0.	.25	12.00 CIFER Conditions CLEAR Wind Direction Wind Strength SW UP TO 19 KM/r
Total 19.25 1.50 0.25 0.7	 				.75	24.00 Road Candition
TOUR 1 SIGNATURE OF DRILLER	SYLVAIN ARSENAUL				ART TIME 00:00	D END TIME 08:00
Bit Number 3 No Component 0D ID Le		DEVIATION SURVEYS Time Depth Deviation Direction	Туре	From To Elapsed		of Operations in Sequence & Remarks
IADC Code 1 MOTOR 2 1	0.25m Other 8.71m Time 01:00 1.44m Density 1160	01:30 1984.37m 49 332.1 02:30 1998.99m 51 329.4		00:00 06:30 6.50 06:30 07:00 0.50 07:00 07:15 0.25	20A DIRECTIONAL SURVEYS/C	CONNECTIONS
Type MMD64M 1 NON MAG SLICK 162 72	9.17m Funnel Viscosity 32s/l 1.60m Fluid Loss	04:30 2013.62m 53.8 327.1 05:45 2028.24m 56.2 325.3		07:00 07:15 0.25 07:15 07:45 0.50 07:45 08:00 0.25	5D DISPLACE TO INVERT	ED UPPER PIPE RAMS 3 SEC T/CLOSE CHANGE
Jets 7.9 7.9 7.9 11.1 1 NM FLEX MONEL 163 72	9.10m pH s.66m Location of Sample SHAKERSS	07:00 2042.87m 58.2 323.6 SOLIDS CONTROL		07.44 00.00 0.20		or a second
Depth Out (m) 1 JARS-HYD/MECH 166 57	5.47m Depth 1980m D.90m PVT 56m3	Equipment Hours Intake Ov	er Flow Under Flow Jensity Density			
	6.32m CIRCULATION Pump# Type Liner Size SPM Pressure Hours Rur	CENTRIFUGE 8 1160	1160 1500			
Cumulative Hrs Run	1 COMBINED 4 98 16500 8 2 COMBINED 4 98 16500 8	MUD MATERIALS ADDED				
	7.00m 0.00m	Product BARITE REDUCTION	Amount Type 44 EACH 1 EACH			
	4.62m Remarks: 4.00m	REDUCTION	I EACH			
BRG Weight of String	lkdaN DkdaN			Remarks: FUNCTION TE	RAVEL STOPS/LIMITS & CROWN S	SAVER
METRES DRILLED						IMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT VALVE ALIGNEMENT-FUNCTION FLARE STACK IGNITER
1931m 2044m DRILL 3515.5kdaN Torque at Bottom 7500 Fill on Bottom	0.00m 2 1000 @ 50 @ 1950	Boiler Boiler Hours Run pH	Stack Temp	INSPECT ESCAPE BUGG SAFETY		
	@ @ @			HOUSEKEEPING	Safety Topic	MEHL MACP 80.00kdaN 3033kPa
TOUR 2 SIGNATURE OF DRILLER	MITCH ARSENAUL			STA	ART TIME 08:00	END TIME 20:00
BITS DRILLING ASSEMBLY Bit Number 3 No Component OD ID Le	ngth MUD RECORD Mud Type Water 0 0il x	DEVIATION SURVEYS Time Depth Deviation Direction	Туре	TIME LOG From To Elapsed	Code Details o	of Operations in Sequence & Remarks
Size 200 1BIT 200 0	0.25m Other	09:15 2057.49m 61.3 322.1 11:00 2072.12m 63.8 320.9		08:00 08:45 0.75 08:45 09:00 0.25	2 DRILL 200MM HOLE FROM	1 2044M TO 2058M
Manufacturer HALIBURTON 1NEAR BIT 180 55	1.44m Density 1250 1230 0.17m Funnel Viscosity 78s/l 66s.	12:30 2086.74m 67 320 14:30 2101.37m 69.5 320		09:00 09:15 0.25 09:15 19:00 9.75	7 RIG SERVICE/RSPP@ 2058	BM PUMP#1 86 STKS=6000 K.P.A/ F/T ANNULAR 20 STC
Serial No 12784218 1GAP SUB 165 79	1.60m Fluid Loss 9.10m pH	16:00 2115.99m 72.1 319 17:15 2130.62m 75.2 318.5 19:00 2145.24m 78.1 318.1		19:00 19:45 0.75 19:45 20:00 0.25	20A DIRECTIONAL SURVEYS/C	CONNECTIONS
11.1 11.1 1NM FLEX MONEL 159 72	3.66m Location of Sample SHAKERS SHAKERS 5.47m Depth 2054m 2081n	SOLIDS CONTROL	er Flow Under Flow			
	0.90m PVT 38m3 47m3		lensity Density 1180 1780			
Hrs Run Today 10.50 Cumulative Hrs Run 33.00	Pump# Type Liner Size SPM Pressure Hours Rur 1 COMBIN- 4 86 19000 12					
Entry Date 2016/04/25	2COMBIN- 4 86 19000 12	Product	Amount Type 2 EACH			
TO ODC Kelly Down	0.00m Remarks:	OPTI-ONE OPTIWET LIME	2 EACH 2 EACH 30 EACH			
LOC Total Run (m/hr) Weight of DC	3.62m okdaN	GILSONITE CLAYTONE	5 EACH			
METRES DRILLED HOLE CONDITION	REDUCED DUMP SPEED	BARITE		INSPECT TOP DRIVE/ ELEVA		SAVER IMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT I VALVE ALIGNEMENT-FUNCTION FLARE STACK IGNITER
2044m 2153m DRILL 35 15kdaN Torque at Bottom 8000	OONm Pump No. Pressure Strokes/min Depth	Boiler			SY/ MONKEYBOARD SRL	VALVE ALIGNEMENT-FUNCTION PLAKE STACK IGNITER
Fill on Bottom	0.00m	Boiler # Hours Run pH	Stack temp	DISPLACING	Safety Topic	MEHL MACP 83.00kdaN 2674kPs
TOUR 3 SIGNATURE OF DRILLER	SYLVAIN ARSENAUL		, ,	ST/	ART TIME 20:00	END TIME 24:00
BITS DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS		TIME LOG		
	0.25m Other	Time Depth Deviation Direction 20:45 2159.87m 81.6 318.6	Туре	From To Elapsed 20:00 22:15 2.25		of Operations in Sequence & Remarks 1 2153M TO 2175M
Manufacturer HALIBURTON 1NEAR BIT 180 55	8.71m Time 20:30 1.44m Density 1245			22:15 22:30 0.25 22:30 23:30 1.00	5 CIRCULATE BOTTOM UP F	PRIOR TO HOIST FOR BHA
Serial No 12784218 1GAP SUB 165 79	9.17m Funnel Viscosity 1.60m Fluid Loss			23:30 23:45 0.25 23:45 24:00 0.25	i i	PING OUT REV COP 2-5 CHECK 10 MIN ON BOTTOM PUMP PILL
11.1 11.1 1NM FLEX MONEL 159 72	9.10m	SOLIDS CONTROL				
	5.47m 0.90m Depth PVT 2156m 54m3 6.32m CIRCULATION	Equipment Hours Intake Ov. Name Run Density D	er Flow Under Flow Density			
Hrs Run Today 2.25 Cumulative Hrs Run 35.25	Pump# Type Liner Size SPM Pressure Hours Run					
Entry Date 2016/04/25 CUTTING STRUCTURE 61 Drill Pipe Stands 178	1 2 COMBIN- 4 86 18500 3 2 COMBIN- 4 86 18500 3 4 25m	MUD MATERIALS ADDED	Amount Type			
TI 1 Gage o d Drill Pipe Singles	0.00m 0.00m Remarks:					
MDC WT Reason Pulled BHA Total 217	5.87m OkdaN					
BRG X Weight of String 7 METRES DRILLED HOLE CONDITION	1kdaN		1 1 1	INSPECT TOP DRIVE/ ELEVA		IMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT
From To D-R-C RPM WOB Hole Drag Up 6 Down 2153m 2175m DRILL 35 18kdaN Torque at Bottom 8000	00Nm Pump No. Pressure Strokes/min Depth	Boiler		INSPECT ESCAPE BUGG	CR'S/KILL LINES/ CHECK MANIFOLD BY/ MONKEYBOARD SRL	VALVE ALIGNEMENT-FUNCTION FLARE STACK IGNITER
Fill on Bottom	0.00m @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @	Boiler # Hours Run pH	Stack lemp	SAFETY	Safety Topic	MEHL MACP
<i>L</i> 1.3		JII		TRIPPING OUT REV COP	Z=4	75.00kdaN 2674kP

FRONT PAGE SUMMARY	Tour Sheet Serial Number 0Y52529_20160428_1B	Vendor Software Version Year Pason 20'	ar Month Day DAILY CHECKS OP RM	
License No Well Name 31605 ARCRES HZ PARKLAND B05-09-081-16	Surface Location 05-09-081-16W6	Prov Loc Type Unique Well Id BC DLS 102/14-08-081-	3) H2S Signs Posted if Required 3) H2S Signs Posted if Required 4) Wiell Licence & Stick Diagram Posted 5) Flare Jines Staked DM DA DA DA DA DA DA)
Operator ARC RESOURCES Operator's AFE	Contractor PRECISION DRILLING, DIV OF PDCLP Contractor's Job No	Rig No Well Type 529 HORIZ Soud Date Time	6) BOP Drills Performed 7) Visually Inspected BOPs - Flare Lines & Degasser Lines DM DA	
GIORIL0035 Signature of Operator Representative	83 Signature of Contractor's Rig Manager	2016/04/22 19:15 Rig Release Date Time	2) CAODC Rig Safety Inspection Checklist (one/rig/month) 3) Mast Inspection before Raising or Lowering	
Dan Meyer CODE 1 2 3 4 5 6 7	DAVE ACHESON 8 9 10 11 12	13 14 15 16 17 1	4) Crown Save Checked 5) Motor Kills Checked 5) Motor Kills Checked 5) Motor Kills Checked 6) Pason 6) February 60	_
Rig Drill Reaming Coring Cond Mud Trips Rig & Circ Trips Service	Repair Cut Off Dev Wireline Run Csg Rig Drilg Line Survey Logs & Cement	Wait On Nipple Up Test Drillstem Plug Squ	queeze Fishing Dir Safety Tear Waiting Rig Otton	JRS 0.00
70 Tour 1 4.75 0.2 Tour 2 6.25 0.50 3.25 0.2	25		Time Temp	2.00
Tour 3 2.00 0.2 Total 6.25 0.50 10.00 0.7			0.75 0.50 4.00 Wind Strength Wind St	Ih KM/H
TOUR 1 SIGNATURE OF DRILLER	SYLVAIN ARSENAULT		START TIME 00:00 END TIME 08:00	
BITS DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	
	0.25m Other	Time Depth Deviation Direction Type	From To Elapsed Code Details of Operations in Sequence & Remarks 00:00 02:45 2.75 BB TRIP OUT OF HOLE FLOW CHECK 10 MIN ON BOTTOM AND @2030M,1037M.455M.0M T	TRIP
Manufacturer ULTERRA 1 NEAR BIT 180 55	8.71m Time 1.44m Density		CAL WAS 8.68M3 CAL WAS 9.57M3 DIFFERENCE WAS .89M3,FUNCTION BLIND RAM 4 S TO CLOSE	SEC
Serial No 30103 1 GAP SUB 165 79	9.17m Funnel Viscosity 1.60m Fluid Loss		02:45 03:00 0.2521 SAFETY MEETING WITH DD ON HANDLE BHA 03:00 04:45 1.7520 DIRECTIONAL WORK CHANGE OUT BHA BIT MOTOR, MONEL, GAP SUB, NEAR BIT S	SUB
8.7 1 NM FLEX MONEL 159 72	9.10m pH 8.66m Location of Sample	SOLIDS CONTROL	04:45 05:00 0.2521 SAFETY MEETING ON TRIP BACK IN HOLE 05:00 06:00 1.006A TRIP IN HOLE TO CASING SHOE FILL PIPE THEN FLOW CHECK 10 MIN	
Depth In (m) 2176 1X/O 158 71	5.47m Depth 0.90m PVT		Inder Flow 06:00 06:15 0.257 RIG SERVICE FCT ANNULAR 19 SEC TO CLOSE Density 06:15 07:00 0.75 25 PROGRAM AUTO DRILLER TO HIGHER DELTA P (8000 KPA)/SERVICE TOP DRIVE MONTH	THLY
Hrs Run Today	6.32m CIRCULATION Pump# Type Liner Size SPM Pressure Hours Rur		INSPECTION. 07:00 08:00 1.00 A TRIP IN HOLE FILL PIPE EVERY 600M AND FLOW CHECK 10 MIN @ 1032M,	_
Cumulative Hrs Run	1 COMBINED 4 0 0 0 2 COMBINED 4 0 0 0	MUD MATERIALS ADDED Product Amount	† Type	_
TI Gage o Drill Pipe Singles	4.25m 0.00m	LIME 35		_
MDC Reason Pulled Total 217	0.00m Remarks: 5.87m OkdaN			_
	1kdaN		Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER INSPECT TOP DRIVE ELEVATORS/BALES/ALL OVERHEAD EQUIPMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT	CAIT
From To D-R-C RPM WOB Hole Drag Up 7 Down	Daniel Daniel Oberlander's Double		INSPECT FOR DRIVE ELEVATORS BALES ALL DENDE PROPERTY OF THE PR	
Torquo de Socioni	0.00m Pump No. Pressure Strokes/min Depth 0.00m @ @	Boiler # Hours Run pH Stack	SAFETY Safety Topic MEHL MACP	
	@ @		HANDLE BHA 70.00kdaN 2674	4kPa
TOUR 2 SIGNATURE OF DRILLER	MITCH ARSENAULT		START TIME 08:00 END TIME 20:00	
DRILLING ASSEMBLY	mud RECORD mgth Mud Type Water Oil x	DEVIATION SURVEYS Time Depth Deviation Direction Type	TIME LOG From To Elapsed Code Details of Operations in Sequence & Remarks	
Size	.30m Other	10:30 2182.67m 85.5 316.2 11:45 2197.32m 86.2 313.6	08:00 08:15 0.25 21 SAFETY MEETING/REVIEW C.O.P 2-5 ON TRIPPING 08:15 10:00 1.75 6A TRIP IN HOLE FROM 1032M TO 2176M FILL EVERY 600M, WASH FROM 2052M TO 20	080M
	9.32m Density 1245 1230 1.68m Funnel Viscosity 70s/l 56s/	12:15 2211.92m 86 311.3 13:00 2226.54m 86.9 308.6 13:45 2241.17m 88.4 306.2	10:00 15:30 5:50 DRILL 171MM HOLE FROM 2176M TO 2314M 15:30 16:15 0.75 20A DIRECTIONAL SURVEYS/CONNECTIONS	=
	9.27m Fluid Loss 9.26m pH	13:45 2241.17m 88.4 306.2 14:30 2255.79m 90.7 303.8 15:00 2270.42m 91.1 302	16:15 16:30 0.25 RIG SERVICE/RSPP@2314M PUMP #1 86 STKS=5200 K.P.A / F/T LOWER PIPE RAM STC	MS 3
Depth Out (m) 2327 15 JT DP 114 97 4	0.94m Location of Sample SHAKERS SHAKERS 8.75m Depth 2186m 2241m		16:30 17:15 0.75 DRILL 171MM HOLE FROM 2314M TO 2327M 17:15 17:30 0.25 20A DIRECTIONAL SURVEYS	
Total Drilled (m) 151 1 JARS-MECH 133 57	0.96m PVT 54m3 50m3 5.5m CIRCULATION	Name Run Density Density D	17:30 18:00 0.50 CIRC BOTTOMS UP 18:00 18:15 0.25 1 SAFETY MEETING REVIEW C.O.P 2-4	_
Hrs Run Today 5.00 tcrossover sub 134 68 Cumulative Hrs Run 5.00 1169 JTS4.5 DP 114 97 164	.94m Pump# Type Liner Size SPM Pressure Hours Rur 7.75m 1COMBIN- 4 86 26000 12	MUD MATERIAL CARRED	18:15 18:45 0.50 BB TRIP OUT OF HOLE WITH 10 MIN FLOW CHECKS@ 2327M,,2196M 18:45 19:00 0.25 21 SAFETY MEETING/CREW CHANGE/REVIEW COP ON TRIP OUTWITH NIGHT CR	REW
CUTTING STRUCTURE g Drill Pipe Stands 26	6.96m 2 COMBIN- 4 86 26000 12 3.00m	MUD MATERIALS ADDED Product Amount LIME 70		_
TO 8 ODC BT Kelly Down -1	0.00m	CLAYTONE 5 OPTI-ONE 2	5 EACH 2 EACH	_
LOC S Total Run (m/hr) 30.20 Weight of DC	7.00m DkdaN	BARITE 40 OPTI G 5	5 EACH	_
METRES DRILLED HOLE CONDITION	1kdaN		Remarks: FUNCTION TRAVEL STOPS.LIMITS & CROWN SAVER INSPECT TOP DRIVE/ELEVATORS/BALES/ ALL OVERHEAD EQUIPMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT INSPECT CHOKE LIBEROFCR'S/MILL LINES/ CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK (IONT	
2176m 2327m DRILL 70 13kdaN Torque at Bottom 7500	6 REDUCED PUMP SPEED .00Nm Pump No. Pressure Strokes/min Depth 1 5200 @ 86 @ 2314	Boiler	INSPECT ESCAPE BUGGY/MONKEYBOARD SRL SAFETY	IER
Fill on Bottom	@ @	Boiler # Hours Run pH Stack	Ck Temp Safety Topic MEHL MACP TRIPPING 80.00kdaN 2674	4kPa
TOUR 3 SIGNATURE OF DRILLER	SYLVAIN ARSENAUL		START TIME 2000 END TIME 24:00	
BITS DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	
Bit Number 5 No Component OD ID Le		Time Depth Deviation Direction Type	From To Elapsed Code Details of Operations in Sequence & Remarks 20:00 21:15 1.25 BB TRIP OUT OF HOLE FLOW CHECK 10 MIN @ 462M @ OM-FUNCTION BLIND RAM 4 SEC	с тс
	9.04m Time 23:00 9.32m Density 1225		CLOSETRIP CAL WAS 9.49M3 ACTUAL WAS 9.50M3 21.15 21:30 0.25 21 SAFETY MEETING WITH DD ON HANDLE BHA	_
	1.68m Funnel Viscosity 9.27m Fluid Loss		21:30 22:15 0.75 20 DIRECTIONAL WORK CHANGE OUT MOTOR AND DRILL BIT 22:15 22:30 0.25 21 SAFETY MEETING ON TRIP BACK IN REVIEW COP 2-5	_
Jets 9.5 9.5 9.5 12.7 1NM FLEX MONEL 117 69 1crossover sub 134 61	9.26m pH 0.94m Location of Sample T4	SOLIDS CONTROL	22:30 22:45 0.25 A TRIP IN HOLE FILL PIPE FLOW CHECK @ 456M, 22:45 23:15 0.50 PA STEP BACK MEETING THENSLIPICUT DRILLING LINE PERFORM FULL BLOCK CALIBRATI	TION
	18.75m Depth 0.96m PVT			_
Total Drilled (m) 0 1 1 1 3 57 1 1 1 1 1 1 1 1 1	5.5m CIRCULATION 94m Pump# Type Liner Size SPM Pressure Hours Rur	CENTRIFUGE 0 0 0	0 23:30 24:00 0.50 kA TRIP IN HOLE FROM 456M	_
	17.75m 1 4 0 0 0 36.96m 2 4 0 0 0	MUD MATERIALS ADDED		_
TI Gage o Drill Pipe Singles	0.00m 0.00m	Product Amount	t Type	_
MDC Reason Pulled Total 232	16.67m Remarks: 27.00m			_
BRG Weight of String 7	0kdaN 1kdaN		Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER	_
METRES DRILLED	REDUCED PUMP SPEED Pump No. Pressure Strokes/min Depth		INSPECT TOP DRIVE/ELEVATORS/BALES/ ALL OVERHEAD EQUIPMENT-INSPECT NOV ST-90 & ALL DRILL FLOOR EQUIPMENT-INSPECT CHOCKE LINESHORT-SKILL LINES/ CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IGNIT INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL	
Torque at Bottom Fill on Bottom	Pulip No. Pressure Strokes/min Deput	Boiler Hours Run pH Stack	INSPECT E SCAPE BUGGYT MONKE YBOARD SRL SAFETY Safety Topic MEHL MACP	
V.1.3	@ @		TRIPPING OUT 65.00kdaN 2674	
v. 1.0			1 0	of 3

FRONT PAGE SUMMARY	Tour Sheet Serial Number 0Y52529_20160429_1A	Vendor Software Version Year Pason 2016	Month Day DAILY CHECKS DP RM Day Day Walk Around Inspection DM DA DA DA DA DA DA DA	\
License No Well Name 31605 ARCRES HZ PARKLAND B05-09-081-16 Operator	Surface Location 05-09-081-16W6 Contractor	Prov Loc Type Unique Well Id 102/14-08-081-16V Rig No Well Type	3) H2S Signs Posted if Required DM DA	J
IRC RESOURCES Dperator's AFE	PRECISION DRILLING, DIV OF PDCLP Contractor's Job No	529 HORIZ Spud Date Time	7) Visually inspected BOPs - Rare Lines & Degasser Lines DM DA 1) Rio Site Health & Safety Meeting (one/crew/month) DA	
6DRL0035 Signature of Operator Representative Jan Meyer	Signature of Contractor's Rig Manager DAVE ACHESON	2016/04/22 19:15 Rig Release Date Time	2 (2.00.0 Rg Safety Inspection Checklist (one/rig/month) 3) Mast Inspection before Raising or Lowering 4) Crown Saver Checked 5) Motor Kills Checked DA Pason	
CODE 1 2 3 4 5 6 7	8 9 10 11 12 Repair Cut Off Dev Wireline Run Csg	13 14 15 16 17 18 Wait On Nipple Up Test Drillstem Plug Squee	FUEL @ 08:00 HOL	
Ng	Rig Drilg Line Survey Logs & Cement	Cement BOP BOP Test Back Ceme		2.00
Tour 2 8.50 0.2 Tour 3 3.75 0.2	5		3.00 0.25 12.00	gth 9 KM/H
TOUR 1 SIGNATURE OF DRILLER			4.00 0.50 24.00 500000 500000 5000000	
TOUR 1 SIGNATURE OF DRILLER DRILLING ASSEMBLY	SYLVAIN ARSENAULT	DEVIATION SURVEYS	START TIME 00:00 END TIME 08:00	
Bit Number 5 No Component OD ID Le	ngth Mud Type Water Oil x .30m Other	Time Depth Deviation Direction Type 02:002328.96m 90.4 301.7	From To Elapsed Code Details of Operations in Sequence & Remarks 00:00 02:45 2.75 6A TRIP IN HOLE FILL PIPE FLOW CHECK ® 1132M WASH DOWN LAST STAND	D
Manufacturer REED 1 NM FLEX MONEL 120 69	9.04m Time 04:00 05:30 9.32m Density 1225 1220	02:30 2343.58m 91.1 301.5 02:45 2358.21m 92 301.8 03:15 2372.83m 90.5 301.8	02:45 06:30 3.752 DRILL 171MM HOLE FROM 2327M TO 2519M 06:30 07:30 1.0020A DIRECTIONAL SURVEYS, CONNECTION TIME	_
Serial No E146366 1 NM FLEX MONEL 120 69	1.68m Funnel Viscosity 9.27m Fluid Loss	03:45/2387.46m 89.8 300.9 04:30/2402.08m 89.3 299.8	07:30 07:45 0.257 RIG SERVICE FCT ANNULAR 19 SEC TO CLOSE 07:45 08:00 0.2521 CREW CHANGE MEETING REVIEW KEY BELIEFS	_
1 crossover sub 134 61	9.26m	04:45 2416.71m 90 299.5 SOLIDS CONTROL		_
Depth In (m) 2327 1 crossover sub 134 62	8.75m Depth 2450m 0.96m PVT 47m3 5.5m CIRCULATION	Equipment Hours Intake Over Flow Under Name Run Density Density Density Density CENTRIFUGE 4 1230 1100		_
Hrs Run Today 4.00 1 crossover sub 134 68 Cumulative Hrs Run 4.00 1169 JTS -4.5 DP 114 97 164	.94m Pump# Type Liner Size SPM Pressure Hours Run			_
Entry Date 2016/04/28 136 JTS HWDP 114 72 33	6.96m 2 COMBINED 4 85 22800 6	MUD MATERIALS ADDED Product Amount T		_
TO ODC Kelly Down	0.00m Remarks:	CLAYTONE 10	EACH EACH EACH	
LOC Total Run (m/hr) Weight of DC	9.00m DkdaN			_
METRES DRILLED HOLE CONDITION	REDUCED PUMP SPEED		Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER INSPECT TOP DRIVE LEVATORS/BALES/ALL OVERHEAD EQUIPMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPM INSPECT CHOKE LINESHIGE SKALL LINES/ CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IONING INSPECT CHOKE LINESHIGE SKALL LINES/ CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IONING INSPECT CHOKE LINESHIGE SKALL LINES/ CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IONING INSPECT CHOKE LINESHIGE SKALL LINES CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IONING INSPECT CHOKE LINESHIGE SKALL LINES CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IONING INSPECT CHOKE LINESHIGE SKALL LINES CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IONING INSPECT CHOKE SKALL LINES CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IONING INSPECT CHOKE LINESHIGE SKALL LINES CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IONING INSPECT CHOKE LINESHICE SKALL LINES CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IONING INSPECT CHOKE LINESHICE SKALL LINES CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IONING INSPECT CHOKE SKALL LINESHICE	
2327m 2519m DRILL 55 12kdaN Torque at Bottom 7500.	OONm Pump No. Pressure Strokes/min Depth	Boiler	INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL	IIER
Fill on Bottom	0.00m	Boiler # Hours Run pH Stack Te	Safety Topic MEHL MACP	08kPa
TOUR 2 SIGNATURE OF DRILLER	MITCH ARSENAULT		START TIME 08:00 END TIME 20:00	
BITS DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS Time Depth Deviation Direction Type	TIME LOG	
Size 171 1BIT 171	Mud Type Water Oil X	Time Depth Deviation Direction Type	From To Elapsed Code Details of Operations in Sequence & Remarks 08:00 14:30 6:50 DRILL 171MM HOLE FROM 2519M TO 2724M	_
Manufacturer REED 1NM FLEX MONEL 120 69 9	9.32m Density 1210 1200 1.68m Funnel Viscosity 50s/l 51s/	09:30 2562.96m 88 297.4 10:15 2577.58m 87.3 296.3	14:30, 15:15	STC
Serial No E146366 1NM FLEX MONEL 120 69 9	9.27m Fluid Loss 9.26m pH	10:30 2592 21m 88.5 296.3 11:15 2606.83m 89 296.6 11:30 2621.46m 89.1 295.5	17:30 19:45 2.25/20A DIRECTIONAL SURVEYS/CONNECTIONS TIME 19:45 20:00 0.25/21 SAFETY MEETING/CREW CHANGE MEETING	_
Depth Out (m) 15 JT DP 114 97 48	0.94m Location of Sample SHAKERS SHAKERS 8.75m Depth 2522m 2540m	SOLIDS CONTROL Equipment Hours Intake Over Flow Under		=
Total Drilled (m) 527 1JARS-MECH 133 57	0.96m PVT 54m3 50m3 5.5m CIRCULATION	Name Run Density Density Density CENTRIFUGE 12 1210 1790	1160 1160 1160 1160 1160 1160 1160 1160	
Hrs Run Today 8.50 1crossover sub 134 68 Cumulative Hrs Run 12.50 1169 JTS4.5 DP 114 97 164 Entry Date 2016/04/28 136 JTS HWDP 114 72 33		MUD MATERIALS ADDED		_
CUTTING STRUCTURE 26 Drill Pipe Stands 760	2.50m 2COMBIN- 114 85 24000 12 0.50m 0.00m	Product Amount T BARITE 168 I	EACH	
TO ODC Kelly Down 13	3.00m Remarks: 4.17m	CLAYTONE 5 I	EACH	_
BRG Weight of String 7:	OkdaN 1kdaN	OPTI-ONE 2 I OPTIWET 1 I	EACH Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER	_
METRES DRILLED		J. J	INSPECT TOP DRIVE/ELEVATORS/BALES/ ALL OVERHEAD EQUIPMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPM INSPECT CHOKE LINESHCR'S/KILL LINES/ CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK IGNI	
	.00Nm Pump No. Pressure Strokes/min Depth 0.00m 1 4800 @ 85 @ 2724 @ 0 @ @ 0 <td>Boiler Hours Run pH Stack Te</td> <td>INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL SAFETY Safety Topic MEHL MACP</td> <td></td>	Boiler Hours Run pH Stack Te	INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL SAFETY Safety Topic MEHL MACP	
	@ @			08kP
TOUR 3 SIGNATURE OF DRILLER	SYLVAIN ARSENAUL		START TIME 20:00 END TIME 24:00	
DRILLING ASSEMBLY Sit Number 5		DEVIATION SURVEYS Time Depth Deviation Direction Type 20:00 2855.46m 89.7 298.3	From To Elapsed Code Details of Operations in Sequence & Remarks	
	.30m	20:15 2870.08m 90.5 298.5	20.00 23.45 3.75 DRILL 171MM HOLE ROM 2854M TO 2958M 23.45 24:00 0.257 RIG SERVICE FCT LOWER PIPE RAM 4 SEC TO CLOSE	_
Type SKH413M 1GAP SUB 119 69	1.68m Funnel Viscosity 58s/l 59s/l 9.27m Fluid Loss	21:45 2899.33m 88.4 298.1 22:15 2913.96m 90.5 298		_
	9.26m pH Location of Sample SHAKERS SHAKERS	22:30 2928.58m 91.7 298.6 23:15 2943.21m 89.6 299.2 SOLIDS CONTROL		Ξ
Depth In (m) 2327 1 crossover sub 134 62	.8.75m Depth	Equipment Name Run Density Density Density Density	nsity	_
Total Drilled (m) 631 JJARS-MECH 133 57 Hrs Run Today 3.25 1crossover sub 134 68 Cumulative Hrs Run 15.75 1169 JTS4.5 DP 114 97 164	5.5m CIRCULATION .94m Pump# Type Liner Size SPM Pressure Hours Rur	CENTRIFUGE 4 1210 1205	1800	_
Entry Date 2016/04/28 136 JTS HWDP 114 72 33	17.75m 120MBIN- 4 85 19000 4 16.96m 220MBIN- 4 85 19000 4 17.50m	MUD MATERIALS ADDED Product Amount T	Type	_
TI Gage d Drill Pipe Singles	0.00m 0.00m Remarks:	LIME 25 I	EACH	_
MDC Reason Pulled Total 295 LOC Total Run (m/hr) Weight of DC	8.17m OkdaN	OPTI G 5	EACH EACH	
METRES DRILLED HOLE CONDITION	1kdaN		Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER INSPECT TOP DRIVE/ELEVATORS/BALES/ALL OVERHEAD EQUIPMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPM	
	.00Nm Pump No. Pressure Strokes/min Depth	Boiler	INSPECT CHOKE LINESHCRS/MILL LINES/ CHECK MANIFOLD VALVE ALIGNEMENT-FUNCTION FLARE STACK (GNI INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL SAFETY SAFETY	ITER
Fill on Bottom	0.00m	Boiler # Hours Run pH Stack Te	Safety Topic MEHL MACP	53kPa
<i>L</i> 1.3				of T

Total Tota	FRONT PAG	GE SUMMARY	Tour Sheet Serial Number 0Y52529_20160430_1B	Vendor Software Version Pason		onth Day 1) Daily Walk Ar 2) Detailed Inser	HECKS OP RI OM DA ection - Weekly (Using Check List)	
Procession Pro	31605 ARCRES HZ PARKLAND B05-09-081		05-09-081-16W6	BC DLS	102/14-08-081-16W6/00	3) H2S Signs Po 4) Well Licence 5) Flare Lines S	sted if Required DM DA & Stick Diagram Posted DM DA taked DM DA	CAODC
Second Column Col	ARC RESOURCES Operator's AFE	PRECIS	ISION DRILLING, DIV OF PDCLP	529 HORIZ		7) Visually Insper	ted BOPs - Flare Lines & Degasser Lines DM DA	pason
Column 1	16DRL0035 Signature of Operator Representative					2) CAODC Rig S 3) Mast Inspect 4) Crown Saver	afety Inspection Checklist (one/rig/month) ion before Raising or Lowering Checked DA	'
The control of the	CODE 1 2 3 4	5 6 7 8	3 9 10 11 12			19 20 21	22 23 24 25	
Total	Up Actual Reaming Coming	& Circ ITIPS Service Ri		Wait On Nipple Up Test Drillst Cement BOP BOP Tes		Work Meeting		TOTAL Rig 17000.00 Boiler 0.00
Total	Tour 2 8.75	0.25		0.25		2.75 0.25		12.00 CLEAR Wind Direction Mind Strength
Part								
Property 1						-	RT TIME 00:00	END TIME 08:00
WORKER WASHINGTON WASHING	Bit Number 5 No	Component OD ID Length	Mud Type Water Oil 🗴	Time Depth Deviation Direction	Туре	From To Elapsed C		
Part	IADC Code 1 1 M	IOTOR 127 9.04m	Time 02:30	00:302972.46m 90.3 299.5	5	06:30 07:30 1.0020	A DIRECTIONAL SURVEYS, CONNECTION	ON TIME
March Marc	Type SKH413M 1 G	AP SUB 119 69 1.68m	Funnel Viscosity	02:153016.33m 89.7 300.2	2			TO CLOSE
Description	Jets 9.5 9.5 9.5 12.7 1 NI	M FLEX MONEL 117 69 9.26m	' -	04:003045.58m 88.9 299.8				
The Principle			nu er	Equipment Hours Intake Name Run Density	y Density Density			
Column C	Hrs Run Today 7.00 1 cm			CENTRIFUGE 8 120	05 1200 1800			
	Entry Date 2016/04/28 136	6 JTS HWDP 114 72 336.96m						
March Marc	TI Gage o C	Orill Pipe Singles 0.00m		BARITE	168 EACH			
March Most	MDC Reason Pulled	Total 3133.00m	Remarks:					
TOUR 2 SIGNATURE OF DRILLER	BRG V	Weight of String 71kdaN						FCT NOV ST-80 & ALL DRILL FLOOR FOLIPMENT
Tour Fig.	From To D-R-C RPM WOB Hole	Drag Up g Down g	David No. David No. David			INSPECT CHOKE LINES/HCR	S/KILL LINES/ CHECK MANIFOLD VALVE ALI	
TOUR 2 SIGNATURE OF DRILLER STATE TIME Got END TIME 200	I I I I I I I I I I I I I I I I I I I	at Dottom	1 3000 @ 60 @ 3072		pH Stack Temp			MEHL MACP
Distriction						MUD PUMP MAINTENANCE		81.00kdaN 2853kPa
Bit							RT TIME 08:00 E	END TIME 20:00
Months M	Bit Number 5 No	Component OD ID Length	Mud Type Water Oil 🗵	Time Depth Deviation Direction	Type	From To Elapsed C		
Sent No. Sent No. Sent No	IADC Code 1M	IOTOR 127 9.04m	Time 08:00 13:00	09:45 3162.58m 91.8 298	В	15:00 15:45 0.75 20	A DIRECTIONAL SURVEYS/CONNECTION	ONS
March Marc	Type SKH413M 1G	AP SUB 119 69 1.68m	Funnel Viscosity 54s/l 51s/l	12:30 3206.46m 89.3 297.6	6		STC	
Public Field	Jets 9.5 9.5 9.5 12.7 1NI	M FLEX MONEL 117 69 9.26m	pH	14:00 3235.71m 88 296.7		17:45 19:45 2.00 20	A DIRECTIONAL SURVEYS/CONNECTION	
He has follow B. 25 Common and S. 25 Comm	Depth Out (m) 15.	JT DP 114 97 48.75m	PL 07	Equipment Hours Intake	Over Flow Under Flow Density			
Total Control Contro	Hrs Run Today 8.75 1cm	ARS-MECH 133 57 5.5m rossover sub 134 68 .94m	Pump# Type Liner Size SPM Pressure Hours Run	CENTRIFUGE 10 122	20 1180 1770			
	Entry Date 2016/04/28 136	6 JTS HWDP 114 72 336.96m	1ED 4 03 24000 12					
Mod Reason Public Weight of Do Guest	TI Gage d	Orill Pipe Singles 0.00m		BARITE LIME	198 EACH 15 EACH			
Medit TRES DRILLED	MDC Reason Pulled	Total 3332.17m	Remarks:	OPTI-ONE	1 EACH			
Figure 10 Set 1984 1985 1986 1	BRG	Weight of String 71kdaN		OPTIWET	1 EACH			ECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT
	From To D-R-C RPM WOB Hole	Drag Up 9 Down 10		Pailor		INSPECT CHOKE LINES/HCR	S/KILL LINES/ CHECK MANIFOLD VALVE ALI	
SIGNATURE OF DRILLER			@ @				Safety Topic	
Dept								
Bit Number S		, , , , , , , , , , , , , , , , , , ,		DEVIATION SURVEYS			ET TIME 20:00	END TIME 24:00
ADC Code MOTOR 127 9.04m	Bit Number 5 No	Component OD ID Length	Mud Type Water Oil 🗴	Time Depth Deviation Direction	Туре	From To Elapsed C		
Type Schi-H1 Type Schi-H2 Type Type Schi-H2 Type Schi-H2 Type	IADC Code 1M	IOTOR 127 9.04m	Time 22:00	21:45 3352.71m 89.6 298.4 22:30 3367.33m 90.2 298.2	4	23:15 23:30 0.25 20	A DIRECTIONAL SURVEYS, CONNECTION	ON TIME
Jet S. S. S. S. S. S. S. S	Type SKH413M 1G	AP SUB 119 69 1.68m	Funnel Viscosity 52s/l	23:15 3381.96m 90.9 297.€	3		REMAINING AFTER 5 PART TEST 10500 K	PA. PRECHARGE 6800 KPA. TIME TO RECHARGE
Depth In				SOLIDS CONTROL		23:45 24:00 0.25 7	SEC T/CLOSE/FUNC UPPER AND LO	WE
Hrs Run Today	Depth In (m) 2327 1cm			Equipment Hours Intake Name Run Density				
15 15 17 17 2 35 55 17 17 2 35 56 17 17 2 35 56 17 17 17 2 35 56 17 17 17 17 17 17 17 1	Hrs Run Today 3.25 1cm	rossover sub 134 68 .94m	Pump# Type Liner Size SPM Pressure Hours Run	CENTRIFUGE 4 122	20 1215 1900			
Till Gage Gill Pipe Singles O.com Gage Gill Pipe Singles O.com Gage Gag	Entry Date 2016/04/28 136	6 JTS HWDP 114 72 336.96m	1D 4 85 24000 4 2COMBIN- 4 85 24000 4					
MDC	TI Gage d	Orill Pipe Singles 0.00m	Pomorko		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
BRG Weight of String 71 idan N HOLE CONDITION Hole Drag Up Down 10 Down Pressure Strokes/min Depth 10 Down No. Pressure Strokes/min Depth 10 Down No. Pressure Strokes/min Depth 10 Down No. Pressure Strokes/min Depth	MDC Reason Pulled	Total 3332.17m	mondino.	_				
From To D-R-C RPM WOB Hole Drag Up Down Drag Down Drag Dra	BRG	Weight of String 71kdaN					— ·	ECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT
Fill on Bottom	From To D-R-C RPM WOB Hole	Drag Up 9 Down 10	Pump No. Pressure Strokes/min Depth	Boiler		INSPECT ESCAPE BUGGY/		GNEMENT-FUNCTION FLARE STACK IGNITER
112			@ @				Safety Topic	
· ·	V. 1.3	l				WORK ON PUMP		.

FRONT PAGE SUMMARY License No Well Name 31605 ARCRES HZ PARKLAND 805-09-081-16	Tour Sheet Serial Number 0Y52529_20160501_1A Surface Location 05-09-081-16W6	Vendor Software Version	05 01 1) Daily Walk Around Inspection 2) Detailed Inspection - Weekly (Using Check List) 3) H2S Signs Posted if Required DM 4) Well Licence & Stick Diagram Posted DM	DA CAODC
Operator ARC RESOURCES Operator's AFE 16DRL0035 Signature of Operator Representative Dan Meyer	Contractor PRECISION DRILLING, DIV OF PDCLP Contractor's Job No 83 Signature of Contractor's Rig Manager DAVE ACHESON	Rig No	7) Visually inspected BOPs - Flare Lines & Degasser Lines MM 1) Rig Site Health & Safety Meeting (one/crew/month) 2) CAODC Rig Safety Inspection Checklist (one/ing/month) 3) Mast Inspection before Raising or Lowering 4) Crown Saver Checked	DA Pason
CODE 1 2 3 4 5 6 7	Repair Cut Off Dev Wireline Run Csg & Cement	13	Fishing Dir Safety Tear Waiting Rig Down On Watch On	TOTAL
TOUR 1 SIGNATURE OF DRILLER BITS DRILLING ASSEMBLY	SYLVAIN ARSENAULT	DEVIATION SURVEYS	\$TART TIME 00:00 TIME LOG	END TIME 08:00
Jets 9.5 9.5 9.5 1.7 1 NM FLEX MONEL 117 69 1 crossover sub 134 61 Depth Out (m) 15 JT DP 114 37	Mud Type Water Oil x	Time Depth Deviation Direction Type	00.00 06.45 6.752 DRILL 171MM HOLE FROM 338 06.45 07.30 0.7520A DIRECTIONAL SURVEYS,CON 07.30 07.45 0.257 RIG SERVICE FCT ANNULAR 1 07.45 08:00 0.2521 SAFETY MEETING REVIEW WI	NECTION TIME 19 SEC TO CLOSE
Total Run (m/hr) STRUCTURE	17.75m	MUD MATERIALS ADDED Product Amount Type NDFT BEADS 10 EACH WALNUT 10 EACH		IT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT
3396m 3543m DRILL 60 17kdaN Torque at Bottom 10200	David No. David No. David No. David No.	Boiler # Hours Run pH Stack Temp	INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL SAFETY Safety Topic FIRE DRILL	MEHL MACP 84.00kdaN 2853kPa
TOUR 2 SIGNATURE OF DRILLER	MITCH ARSENAULT		START TIME 08:00	END TIME 20:00
Manufacturer REED 1NM FLEX MONEL 120 69	MUD RECORD Mud Type Water	DEVIATION SURVEYS Time Depth Deviation Direction Type	08.00 10.15 2.25 DRILL 1781MM HOLE FROM 35 10.15 10.45 0.50 20 DIRECTIONAL WORK/CONNEC 10.45 11.00 0.257 RIG SERVICE/RSPP(8) 800M PU 11.00 12.15 1.255 CIRCULATE BOTTOMS UP TW 12.15 12.30 0.25 (BB SAFETY MEETING/REVIEW C. 1 12.30 18.00 5.50 (BB TRIP OUT OF HOLE FROM 360	CTIONS MP#1 85 STKS=5400K.P.A / F/T UPPER PIPE RAMS O TIIMES
Depth Out (m) 3600 1s JT DP 114 97 4 62 Depth In (m) 2327 1crossover sub 134 62 Total Drilled (m) 1273 1JARS-MECh 138 57 Hrs Run Today 2.00 1crossover sub 134 68 Cumulative Hrs Run 43.50 1f69 JTS4.5 DP 114 97 16 Entry Date 2016/04/28 52 Drill Pipe Stands 15 Till 2 Gage 0 Drill Pipe Stands 15 Cumulative Hrs Run 2.00 2.00 2.00 2.00 Cumulative Hrs Run 2.00 2.00 2.00 2.00 2.00 2.00 Cumulative Hrs Run 2.00 2.00 2.00 2.00 2.00 2.00 Cumulative Hrs Run 2.00 2.00 2.00 2.00 2.00 2.00 2.00 Cumulative Hrs Run 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 Cumulative Hrs Run 2.00	Depth 3518m 3585m 0.96m PVT 49m3 50m3 5.5m CIRCULATION 94m Pressure Hours Run	Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density CENTRIFUGE 4 1220 1180 178 MUD MATERIALS ADDED Product Amount Type BARITE 54 EACI WALNUT 2 EACI	18.00 18:15 0.25 21 SAFETY MEETING WITH DD OI 18:15 19:15 1.00 20 DIRECTIONAL WORK LAY OUT 19:15 19:45 0.50 6A MAKE UP THRU BIT/BIT SUB/F 19:45 20:00 0.25 21 CREW CHANGE	ГВНА
MDC WT	0.00Nm Pump No. Pressure Strokes/min Depth 0.00m 1 5400 @ 85 @ 3600	NDFT BEADS 2 EACI	Remarks: FUNCTION TRAVEL STOPS.LIMITS & CROWN SAVE INSPECT TOP DRIVE FLEVATORS/BALES ALL OVERHEAD EQUIPMEN INSPECT CHOKE LINESHCR'S.WILL LINES/ CHECK MANIFOLD VAL INSPECT ESCAPE BUGGY/MONKEYBOARD SRL SAFETY	IT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT VE ALIGNEMENT-FUNCTION FLARE STACK IGNITER
			Safety Topic DRIVING ON LONG CHANGE	MEHL MACP 90.00kdaN 2853kPa
Depth Out (m) DEPTH DEPT	Mud Type Water Oil	DEVIATION SURVEYS Time Depth Deviation Direction Type SOLIDS CONTROL	20.00 20.30 0.50 BA TRIP IN HOLE FROM 200m TO	erations in Sequence & Remarks 452m, FLOW CHECK/FILL PIPE @ 452m DRILL WITH CREW- WELL SECUREMEN IN M 452m TO 2515m, FLOW CHECK/FILL PIPE @ 1713m 2T TOP DRIVE/DRAW WORKS, FUNCTION LOWER PIPE
Depth In (m) 3600	PVT PVT PVT PVT PVT PVT PVT PVT	Equipment Hours Intake Over Flow Density Density MUD MATERIALS ADDED Product Amount Type		
	REDUCED PUMP SPEED	Boiler Boiler # Hours Run pH Stack Temp	Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVE INSPECT TOP DRIVE ELEVATORS/BALES/ALL OVERHEAD EQUIPMEN INSPECT SEADE BUGGY/MONKEYBOARD SRL SAFETY Safety Topic BHA, Trip	IT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT

License		Well Nam		FRON		(GE SUI	MMAF	RY			OY525: Surfa	Sheet Seria 29_2016050 ce Location 081-16W6	02_1A	Ve Pas	on F	BC D	oc Type LS	Unique We	Year 2016 ell Id I-081-16W6/	05	02	DAILY C 1) Daily Walk An 2) Detailed Inspi 3) H2S Signs Po 4) Well Licence 5) Flare Lines Si	ound Inspe ection - We sted if Req & Stick Dia	ction eekly (Using juired		DM MR DM MR DM MR DM MR		CAC	DC
Operato 16DRLO Signatu	SOURCE or's AFE 035 ire of Ope		resenta	ative					Contrac 83 Signatu	SION DRII stor's Job	tractor's Rig Ma				Rig No 29	F S 20	Vell Type HORIZ Spud Date 1 016/04/22 1 Rig Release	9:15		Re-	Entry	6) BOP Drills Per 7) Visually Inspec 1) Rig Site Healt 2) CAODC Rig Si 8) Mast Inspecti 1) Crown Saver	rformed ted BOPs - h & Safety afety Inspe on before I Checked	Meeting (or ction Check	& Degasser Lines ne/crew/month) dist (one/rig/mo owering	DM MR	P	asc	
COD	E 1	Di Act		3 Reaming	4 Coring	- CA CITE	irips	SCIVIL	Repa	air Cu	9 10 t Off Dev Line Survey	Logs	12 Run Csg & Cement	13 Wait On Cement	14 lipple Up BOP	15 Test BOP	16 Drillster Test	17 n Plug Back	18 Squeeze Cement	19 Fishing	20 Dir Work	Safety Meeting	22 Tear Down	23 Waitin On		25 Other	TOTAL	Rin	0p Fuel 2279.00 08:00 HOURS 75.00 Boiler 0.00
Tour Tour Tour Tour	3					1.0		0	.25 .25 .50			4.00 11.75 2.75 18.50	5 1.00									0.75 0.25 1.00					8.00 12.00 4.00 24.00	CLEAR Wind Direction SW Road Condition	05:00 8.00 tions In Wind Strength UP TO 19 KM/H
TOI	JR 1		SIGI	IATUR	E OF	DRILL	ER					JA	ASON GILES									STAR	T TIN	ΛΕ	00:00	D E	END TIM	E	08:00
BITS	Bit Num	her 6			DF No	Compon			ength	MUD	RECORD Mud Type	Water	Oil 🗆	DEVIA Time De				T	ype	TIM From	E LO	Elapsed Co	nde		Details o	of Operation	ıs in Sequenci	& Remarks	
		Size		171	1 1	BIT BIT SUB	1	71 0	0.18m 0.92m			ther							,,,,,	00:00	02:00	2.00 6A 1.005	CON		P INTO HOLE	FROM 2515		LOW CHECK/F	FILL PIPE @ 2632m,
1		ype TBRS	H 613P	K	71—	FLOAT SUE X/O	_	33 65 34 68	1.57m 0.94m	Fui	Density nnel Viscosity									03:00	04:45	0.2521 1.5011	RAC	K 1 STAN	ID/LAY OUT 1	I SINGLE D	IG IN LOGGE P - RIG IN WI	RELINE LOG	GERS
	Serial	No		JJ1580	1	175 x 4.5" D 36 JTS HWI	_	_	06.25m 36.96m		Fluid Loss pH									04:4		2.0011	LOG	GERS					IG OUT WIRELINE
	Depth Out Depth In			3600						Locati	on of Sample Depth PVT			SOLID Equipm Nam	ent	Hours Run	Intake Density	Over Flow Density	Under Flo Density	06:48 W 07:00	-	0.2521 0.5011I	D LOG		GRITY LOGS F		T REV COP 2- K 10 MIN ON BO		ILL THEN START TO
Tot	tal Drilled Irs Run To	(m)		3600							JLATION	SPM Pres	esure Hours Bur	Ivaiii		nun	Delisity	Delisity	Density	07:30	0 07:45	0.257	RIG		- INSPECT/G	GREASE TO	OP DRIVE & D	RAW WORKS	S, FUNCTION
	ative Hrs I		/05/01	0.00					-	100	DMBINED 114 MBINED 127	76 9	9600 1 9600 1	MUD			S ADD			07:4	08:00	0.2521	-			MEETING/P	LAN FORWAI	RD	
TI	ING S	TRUC	Gag	е		Drill Pipe Drill Pipe		Stands 15 ingles	50.25m 0.00m						F	Product		Am	ount Type										
MDC	ᆿ	Reason		d			Down Total	36	2.93m 00.00m	Remarks	FILL PIPE/CIRC 3600m	BOTTOMS	UP @																
LOC BRG	RES D	Total Rui		r) [lu c	Weight Weight of	String		71kdaN									+							& CROWN S		507 NOV 07 00		OOD SOURNESSE
From	To	D-R-C	_	1 WOB	Но	ole Drag ue at Bottom		Down [Pressure Str	IP SPE	Depth							INSPEC	СТ СНОКІ		S/KILL LIN	NES/ CHEC	CK MANIFOLD				E STACK IGNITER
						on Bottom				1	1250 @	80 @ 80 @	2632 3577	Boiler Boiler		Hours Rui	n	pH	Stack Temp	CAE	ETY		Safety				M	HL	MACP
									L		@	@								Trip,Log	g							84.00kdaN	2719kPa
TOU	JR 2		SIGN	IATURI		DRILL		-MRIN	, 1	MUD	RECORD	MITCH A	ARSENAULT	DEVIA	TION	SUR	VEVS			TIM	E LO	STAR	T TIN	/IE	08:00	D E	ND TIM	=	20:00
	Bit Num	ber 6 Size		171	No		ent 0		ength 0.18m		Mud Type	Water ther	Oil 🗌	Time De				T	уре	From 08:00	То	Elapsed Co	-	GING - INT			s in Sequence		N 4.5M/MIN FROM
	IADC C Manufacti		'H			BIT SUB FLOAT SUB		20 57 33 65	0.92m 1.57m		Time Density									19:45	20:00	0.257	2200	M TO 425	M FLOW CH	ECK 10 MIN	N@3420M,179	3M425M	
	Serial	No	613P	JJ1580	1	X/O 175 x 4.5" D	P 1		0.94m 06.25m	Fui	nnel Viscosity Fluid Loss																		
-		lets		3600		36 JTS HWI	DP 1	14 65 3	36.96m	Locati	pH on of Sample Depth			SOLID															
	Depth Out Depth In tal Drilled	(m)		3600						CIRCI	PVT			Equipm Nam		Hours Run	Intake Density	Over Flow Density	Under Flo Density	W									
Н	lrs Run To ative Hrs I	day		0.00	-						Type Liner Size	SPM Pres	SSURE Hours Rur	i <u> </u>															
	Entry D	ate 2016	TUI			Drill Pipe			50.25m	2	127	0	0 0	MUD		Product	S ADDI		ount Type										
TI TO	_	Reason	Gag OD	С		Drill Pipe Kelly	Down	ingles		Remarks	:																		
LOC BRG	=	Total Rui			1	Weight Weight of			71kdaN									+		Remai	rks: FUN	ICTION TRA	/FL STO	PS/I IMITS	& CROWN S	SAVER			
	RES D	D-R-C		1 WOB		DLE CO	NDITI			REDU	ICED PUN	IP SPE	ED							INSPEC	T TOP DR	IVE/ ELEVATO	RS/ BALE	S/ ALL OVE	RHEAD EQUP	IMENT-INSPI			LOOR EQUIPMENT
					Torqu	ue at Bottom on Bottom					Pressure Str	okes/min @	Depth	Boiler Boiler		Hours Rui	n l	pH	Stack Temp	SAF	CT ESCA	PE BUGGY/	MONKEY	/BOARD S	SRL				
					_		,				@	@									/ITH LOG	GING TOOL	Safety	Topic			MI	84.00kdaN	MACP 2808kPa
TOI	JR 3		SIGN	IATUR	E OF	DRILL	ER					JA	ASON GILES									STAR	T TIM	/IE	20:00	D E	END TIM	E	24:00
BITS	Bit Num	ber			DF No	Compon				MUD	RECORD Mud Type	Water	Oil 🗌	DEVIA Time De				Ty	уре	TIM From	E LO	Elapsed Co	ode		Details o	of Operation	is in Sequence	e & Remarks	
	IADC C	Size ode									Time	ther								20:00	21:30	1.50 11/	_						FUNCTION BLIND ACTUAL=16.22m3,
1		уре			L					Fui	Density nnel Viscosity										21:45	0.25 11/	A REV		2-9 - LAY OU	JT LOG TO	OLS		
	Serial	No lets			1					Locati	Fluid Loss pH on of Sample									22:45	_	0.25 21	REV		3-1 PRIOR 1		TO RUN CAS		BRE CORD
	Depth Out				F					Locati	Depth			SOLID Equipm Nam	ent	Hours Run	Intake Density	Over Flow Density	Under Flo Density		24:00	1.00 12/	A PRE	P FLOOR	- RIG UP TO	RUN CASI	NG WITH FIBE	RE CORD	
Tot	tal Drilled Irs Run To	(m)			F						JLATION Type Liner Size	SPM Pres	ssure Hours Rur																
	ative Hrs I Entry D	ate								1 2	140 127	0	0 0	MUD			S ADDI		ount Ton										
TI	ING S	TRUC	Gag	е		Drill Pipe Drill Pipe	S	Stands ingles		\pm						Product		Am	ount Type				+						
MDC LOC	\dashv	Reason Total Rui		d		Kelly	Total of DC		_	Remarks										1									
BRG	RES D				HC	Weight of	String	ON_															_		& CROWN S		ECT NOV ST-80	& ALL DRILL F	LOOR EQUIPMENT
From	То	D-R-C	RPN	1 WOB	Но		Up	Down			CED PUN Pressure Str	okes/min	Depth	Boiler						INSPE	CT ESCA	E LINES/HCR'				VALVE ALI	GNEMENT-FU	NCTION FLAR	E STACK IGNITER
					Fill	on Bottom					@ @	@		Boiler		Hours Rui	n	pH	Stack Temp		ETY		Safety	Topic			M	EHL OOUTEN	MACP
V. 1.3					1				L		W	₩][][frip/Log	g/Casing							28.00kdaN	2719kPa

FRONT PAGE SUMMARY License No Well Name	Tour Sheet Serial Number py52529_20160503_1A Surface Location	Pason 2016 0 Prov Loc Type Unique Well Id	05 03 1) Daily Walk Around Inspection 2) Detailed Inspection - Weekly (Using Check List) 3) H2S Signs Posted if Required GR	RM MR CAODC
31605 ARCRES HZ PARKLAND 805-09-081-16 Deperator IRC RESOURCES Diperator's AFE BORL0035	05-09-081-16W6 Contractor PRECISION DRILLING, DIV OF PDCLP Contractor's Job No 83	BC DLS 102/14-08-081-16W6/00 Rig No Well Type HORIZ Spud Date Time 2016/04/22 19:15	4) Well Licence & Stick Diagram Posted GR Bre-Entry Brair Lines Staked GR Bre Drills Performed 7) Vasually inspected 80 Ps - Plane Lines & Degasser Lines GR 1) Rig Site Health & Safety Meeting (one/crew/month) 2 CADOC Rig Safety Inspection Checklist (one/rig/month)	
Signature of Operator Representative Buy Rockabar	Signature of Contractor's Rig Manager MARC RAYMOND	Rig Release Date Time	Mast Inspection before Raising or Lowering Crown Saver Checked Motor Kills Checked	MR Pason Kelly Bushing Op Fuel 5.98 11943.00
Rig	10.00	Wait On Nipple Up Test Drillstem Plug Squeeze Filement BOP BOP Test Back Cement Filement File		FUEL @ 08:00 HOURS
TOUR 1 SIGNATURE OF DRILLER	JASON GILES		START TIME 00:00	END TIME 08:00
BITS DRILLING ASSEMBLY Bit Number No Component OD ID Le	MUD RECORD ngth Mud Type Water 0il x	DEVIATION SURVEYS Time Depth Deviation Direction Type	TIME LOG From To Elapsed Code Details of Opera	ations in Sequence & Remarks
Size	Other Time Density Funnel Viscosity Fluid Loss pH		00:00 00:15 0.25 12A CONTNUE RIG UP TO RUN CASII	NG WITH FIBRE CORD INING CASING WITH FIBRE CORD IX FLOATS - RUN 114.3mm CASING WITH FIBRE CORD I/FLOW CHECKS @ 350m,591m,880m E TOP DRIVE & DRAW WORKS, FUNCTION
Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date	Location of Sample Depth PVT	MUD MATERIALS ADDED	07.45 08.00 0.2521 CREW CHANGE SAFETY MEETIN	KSPPLAN FORWARD
Drill Pipe Stands	Remarks:	Product Amount Type	Remarks: FUNCTION TRAVEL STOPSLIMITS & CROWN SAVER	
HOLE CONDITION Hole Drag	Pump No. Pressure Strokes/min Depth © © © © © © ©	Boiler Boiler # Hours Run pH Stack Temp	INSPECT TOP DRIVE ELEVATORS/ BALES/ ALL OVERHEAD EQUIPMENT-I INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL SAFETY Safety Topic Casing	
TOUR 2 SIGNATURE OF DRILLER BITS DRILLING ASSEMBLY	SYLVAIN ARSENAULT	DEVIATION SURVEYS	START TIME 08:00	END TIME 20:00
No Component OD ID Le	Other Time Density Funnel Viscosity Fluid Loss pH Location of Sample Depth PVT CIRCULATION	Time Depth Deviation Direction Type SOLIDS CONTROL Equipment Hours Intake Name Run Density Density Density Density		ations in Sequence & Remarks N SHEAVE AND STRIP FIBER CABLE PRIOR TO LAND NG
Hrs Run Today	Pump# Type Liner Size SPM Pressure Nours Rur 1\$INGLE 140 0 3905 0 2\$INGLE 127 120 3905 2 Remarks:	MUD MATERIALS ADDED Product Amount Type		
BRG	REDUCED PUMP SPEED Pump No. Pressure Strokes/min Depth	Boiler Boiler Hours Run pH Stack Temp	Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER INSPECT TOP DRIVE/ELEVATORS) BALES/ ALL OVERHEAD EQUIMENT- INSPECT CHOKE LINESHCKSKILL LINES/ CHECK MANIFOLD VALVE INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL SAFETY	ALIGNEMENT-FUNCTION FLARE STACK IGNITER
]	Safety Topic RUNNING CASING	MEHL MACP
SIGNATURE OF DRILLER SITS	JASON GILES MUD RECORD Mud Type Water Oil Oil Time Density Funel Viscosity Fluid Loss	DEVIATION SURVEYS Time Depth Deviation Direction Type	20:00 20:45 0.755 CONDITION MUD & CIRCULATE 20:45 21:00 0.2521 REVIEW COP 4-1 - SAFETY MEETIN LINES/PRESSURE TEST 21:00 21:30 0.50 25 FLUSH LINES/BLOW BACK- RIG I	Author Time 24.00 attors in Sequence & Remarks SWITH TRICAN-RIG UP TO CEMENT CASING-FILL IN CEMENTERS-FILL LINES-PRESSURE TEST
Jets Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run	Depth		@ 1350kg/m³ , 30.47m³ (25.1t) Tit	bil Flush 14L/m² S-4W + 13L/m² GF-1L, 2.5m² Scav anium 1500+ 0.25% TA-2 + 0.4% AFA-6 + n² (49.25 t) GasTight 1850 + 0.2% AFA-6 + R.
Entry Date	2 127 0 0 0 Remarks:	MUD MATERIALS ADDED Product Amount Type	Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER	
HOLE CONDITION From To D-R-C RPM WOB Torque at Bottom Fill on Bottom	Pump No. Pressure Strokes/min Depth @ @ @ @ @	Boiler Boiler # Hours Run pH Stack Temp	NSPECT TOP DRIVE/ELEVATORS/ BALES/ ALL OVERHEAD EQUPIMENT-INSPECT CHOKE LINESHCKSKILL LINES/ CHECK MANIFOLD VALVE INSPECT ESCAPE BUGGY/ MONKEYBOARD SRL SAFETY Safety Topic CEMENT CASING	

FRON License No Well Name	T PAGE SUMMARY	Tour Sheet Serial Number 9Y52529_20160504_1A Surface Location	Vendor Software Version Pason Prov Loc Type		00th Day DAILY CHE 1) Daily Walk Around 2) Detailed Inspection 3) H2S Signs Posted	Inspection n - Weekly (Using Check List) GR MR	CAODC
31605 ARCRES HZ PARKLAND B Operator ARC RESOURCES	Con	05-09-081-16W6 itractor ECISION DRILLING, DIV OF PDCLP	BC DLS	102/14-08-081-16W6/00	4) Well Licence & Sti 5) Flare Lines Staked 6) BOP Drills Perform	ck Diagram Posted GR MR GR MR	
Operator's AFE 16DRL0035 Signature of Operator Representative	83	ntractor's Job No nature of Contractor's Rig Manager	Spud Date 2016/04/22 Rig Releas		2) CAODC Rig Safety	Safety Meeting (one/crew/month) Inspection Checklist (one/rig/month) efore Raising or Lowering	pason
Guy Rockabar CODE 1 2 3	4 5 6 7	RC RAYMOND 8 9 10 11 12	2016/05/04 13 14 15 16		5) Motor Kills Checke	22 23 24 25	Pason Kelly Bushing Op Fuel
Rig Drill Reaming 7 Tour 1 Tour 2 7 Tour 3	Coring Cond Mud & Circ Rig Service F		Wait On Cernent Nipple Up BOP Test BOP Drillste Test 6.75 2.50			Tear Waiting Rig Other On Watch Other	Reg
Total		0.75	9.25		0.75	4.25	15.00 Road Condition GOOD
TOUR 1 SIGNATUR BITS	DRILLING ASSEMBLY	JOSH GILBERT	DEVIATION SURVEYS		START	TIME 00:00 EN	ND TIME 08:00
Bit Number Size IADC Code	No Component OD ID Length	Mud Type Water	Time Depth Deviation Direction	Туре	From To Elapsed Code 00:00 00:45 0.75 12C 00:45 01:00 0.2521	Details of Operations FLUSH STACK - RIG OUT CEMENTERS REVIEW COP 5-5 NIPPLE DOWN BOPS	
Manufacturer Type		Density Funnel Viscosity			01:00 02:30 1.5014B 02:30 07:45 5.2514E	NIPPLE DOWN BOPS,SET CSG SLIPS INSTALL WELLHEAD/TREE RIG RELEA:	SED ON MAY 4/2016 @ 600hrs
Serial No Jets		Fluid Loss pH Location of Sample	SOLIDS CONTROL		07:45 08:00 0.2521	HAND OVER MEETING WITH CREW AN	ID PLAN FORWARD MEETING
Depth Out (m) Depth In (m)		Depth PVT	Equipment Hours Intake Name Run Density	Over Flow Under Flow Density Density			
Total Drilled (m) Hrs Run Today Cumulative Hrs Run		Pump# Type Liner Size SPM Pressure Hours Run 1					
Entry Date CUTTING STRUCTURE TI Gage	Drill Pipe Stands Drill Pipe Singles	2 127 0 0 0	MUD MATERIALS ADD Product	Amount Type			
TO ODC MDC Reason Pulled	Kelly Down Total	Remarks:					
LOC Total Run (m/hr) BRG METRES DRILLED	Weight of DC Weight of String HOLE CONDITION				Remarks: INSPECT ALL LIFTIN		
From To D-R-C RPM WOB	Hole Drag Up Down Torque at Bottom	Pump No. Pressure Strokes/min Depth	Boiler				
	Fill on Bottom		Boiler # Hours Run	pH Stack Temp	SAFETY S	afety Topic	MEHL MACP 65.00kdaN 0kPa
TOUR 2 SIGNATUR	E OF DRILLER	SYLVAIN ARSENAULT			START '	TIME 08:00 EN	ND TIME 20:00
BITS Bit Number	DRILLING ASSEMBLY No Component OD ID Length		DEVIATION SURVEYS Time Depth Deviation Direction	Туре	TIME LOG From To Elapsed Code	Details of Operations	in Sequence & Remarks
Size IADC Code Manufacturer		Other			08:00 10:30 2.50 14E 10:30 10:45 0.2521 10:45 15:00 4.2522	INSTALL WELLHEAD/TREE AND HANDL REVIEW COP ON RIGGING OUT TO SK	
Type Serial No		Funnel Viscosity Fluid Loss			10.40 10.00 4.2022	CORDS/PREP FOR TRUCKS	
Jets Depth Out (m)		Location of Sample Depth	SOLIDS CONTROL Equipment Hours Intake	Over Flow Under Flow			
Depth In (m) Total Drilled (m) Hrs Run Today		PVT CIRCULATION Pump# Type Liner Size SPM Pressure Hours Run	Name Run Density	Density Density			
Cumulative Hrs Run Entry Date		1 140 0 0 0 2 127 0 0 0	MUD MATERIALS ADD				
TI Gage ODC ODC	Drill Pipe Stands Drill Pipe Singles Kelly Down	Remarks:	Product	Amount Type			
MDC Reason Pulled LOC Total Run (m/hr)	Total Weight of DC	Tiomano.					
BRG	Weight of String HOLE CONDITION Hole Drag Up Down	REDUCED PUMP SPEED			Remarks: INSPECT ALL LIFTIN INSPECT WALKING RIG SYSTE		
	Torque at Bottom Fill on Bottom	Pump No. Pressure Strokes/min Depth @ @ @ @	Boiler Boiler # Hours Run	pH Stack Temp	SAFETY	afety Topic	MEHL MACP
]	@ @			RIG OUT TO SKID / WALK RIG		15.00kdaN 0kPa
TOUR 3 SIGNATUR BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS		START	TIME 20:00 EN	ND TIME 24:00
Bit Number Size IADC Code	No Component OD ID Length	Mud Type Water	Time Depth Deviation Direction	Туре	From To Elapsed Code	Details of Operations	in Sequence & Remarks
Manufacturer Type		Density Funnel Viscosity					
Serial No Jets		Fluid Loss pH Location of Sample	SOLIDS CONTROL				
Depth Out (m) Depth In (m) Total Drilled (m)		Depth PVT CIRCULATION	Equipment Hours Intake Name Run Density	Over Flow Density Under Flow Density			
Hrs Run Today Cumulative Hrs Run		Pump# Type Liner Size SPM Pressure Hours Run					
Entry Date CUTTING STRUCTURE TI Gage	Drill Pipe Stands Drill Pipe Singles	2 127 0 0 0	Product	Amount Type			
TO ODC MDC Reason Pulled	Kelly Down Total	Remarks:					
BRG Total Run (m/hr) METRES DRILLED	Weight of DC Weight of String HOLE CONDITION				Remarks:		
From To D-R-C RPM WOB	Hole Drag Up Down	Pump No. Pressure Strokes/min Depth	Boiler		SAFETY		
	Fill on Bottom	@ @	Boiler # Hours Run	pH Stack Temp		afety Topic	MEHL MACP
V 1 9							