				FR	ONT PA	AGE S	UMM	ARY				Tou	ur Sheet Seri	al Number 465_20161	206_2A	Vender Sc	RMS 2	n 1016.6.14.	37064	Year 2		12 (DAILI	HECKS lik Around Inspi	ection		OP RM		1	$\overline{}$
32575	No	Well Name ARCRE	SHZS	SEPTIM	US 111-34	1-81-18W	/6					- 1	rface Location	1		BC		DLS	Unique \	Well Id 9-35-81-	18W6		(2.) Detailed (3.) H2S Sign	Inspection - We as Posted if Re ance & Stick Dia	eekly (Using Ch quired	eck List)	PB RT PB RT	(CAO	DC)
ARC I	Resourc	es Ltd.							Prec		Orilling, d	iv of PI	DC			46		Well Type	но	RIZ		Re-Ent	(5.) Flare Lin (6.) BOP Dril	es Staked Is Performed	s-Flare Lines &	December Line	ш			
Operator 16DR	s AFE								Contra 34	ctor's Job N	lo						Spud D	tate Time		1			(1.) Rig Site (2.) CAODC	Health & Safety Rig Safety Insp	Meeting (one/o	crew/month) t (one/rig/mont)	RT	i		
Signature	Of Operator	's Representativ	0						Signati	TOMF	nactor's Rig Ma	nager					Rig Re	ilease Date Tim	0	i			(3.) Mast Ins (4.) Crown S (5.) Motor Kil	pection before I aver Checked	Raising or Lowe	aring	E			
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	3369
	Ri _i Ug	g Dri Actu	II R	eaming	Coring	Cond Mud & Circ	Trips	Rig Servi	Repair Rig	r Cu Dril	it Off g Line S	Dev urvey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Wor	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL	Rig	08:00 HRS
Tou	r1	_						\perp		_	_										1				1				12588 Time 06:00	11965 Temp -20
g Tou			_					+-		_	_			<u> </u>							₩		0.25	+	-	-		5.00	OVERCAS	ons
HOURS	3.	_							_	-											-		0.50	_	-		-	4.00		Wind Strength UP TO 19 KM/H
тот	AL 8.							Ц,			Ц,												0.75					9.00	******	
	TOUR	1	SIGNA	TURE OF	DRILLER	ROD T	OMP	KINS																		STAR	тиме О	:00	END TIME	8:00
BITS	;			DR	LLING AS		_	MU	RECORD						SURVEYS					TIME			7							
	Bit Numbe			No	Compo	inent	OD ID	Length	Ми		Water V			Time	Depth	Deviation	en D	Direction	Type	From	To Ela	psed Cod	e		Details	Of Operat	ions In Seq	uance & R	emarks	
	Siz IADC Cod	-	П	πП			1	Time	,	Т																				
N	lanufacture	er		H		-	+	Den	el Viscosity	+			_				+			┢		-								
	Тур	e		┰					Loss																					
	Serial N	\vdash		Д					tion Of Samp	le				SOLIDS CO	ONTROL															
	Jet	ts		Н			+	Dep						Equipment Name	Hours Run	Intai		Over Flow Density	Under Flow Density											
De	epth Out (m	, —		ЧН													,													
	Depth In (m	1)		ТЦ				Pum	ulation p# Type	Liner Size	e SPM	Pressure	Hrs Run		1					\vdash		_								
Tota	al Drilled (m	1)		$\exists H$					p# 1,pc	LING OLD	U III	i icasaic	THIS TOOL																	
	Run Toda	y												MUDMAI	Product	DED		Amount	Type											
Cumulai	tive Hrs Ru Entry Dat	_		\neg \mapsto	Drill Pipe Drill Pipe		ands ngles										-													
CUTTI	IG STRU				Kelly Down	Sir	ngres	Rem	arks			•																		
M	то	00	C		Total															Rema	ks									
L) Bi	ос	Total Run (m/	M	Ⅎ.	Weight of DC reight of String			_									-			1										
METRE	S DRILLE	D		HO	LE CONDI	TION			UCED PU											1										
From	10	D-R-C R	PM WC		Hole Drag	Up	Down	Pu	mp#Pr	essure		es/min @	Depth	BOILER	—															
				3	Torque At E	_				Ø	}	@	Ш	BoilerN	lo Hour	sRun	pН	St	ackTemp	SAFET	Y		Safety Topic				MEHL		M	ACP
		2			DRILLER		LOE	WEN		G		@															0	:00		20:00
	TOUR	2	SIGNA					WEN																		STAR	18TIME 8	.00	END TIME	20.00
BITS				DR No	LLING AS		OD ID		RECORD	d Type	Water 🗹			DEVIATION Time	SURVEYS	Deviatio	on D	Direction	Type	From	To Ela	psed Cod	A		Details	Of Operat	ions In Seq	uance & R	emarks	
	Bit Numbe Siz										Other	4							,,	15:00	15:15 0	25 210	MEETINGS		OB SAFE	TY PRIOF	R TO WAL	KING RIG		ere to
	IADC Cod			ПЦ			4	Time		1							-						ACCOMM	DDATE W	/ALK					
N	lanufacture	er		ЪН			+	Den: Funi	el Viscosity											18:30	20:00 1	50 1	RIG UP CA	ATWALK	INSTALL	VDOOR ,	ноок ир	ESCAPE	LINE AND IN	STALL WELL
	Тур	e						Fluid	Loss	-										₽										
	Serial N			Н			_	-	tion Of Samp	le				SOLIDS CO	ONTROL															
	Jet	is	+	Н				Dep	п					Equipment Name	Hours Run	Intai Den:		Over Flow Density	Under Flow Density											
De	epth Out (m	1)		ΉП					culation							-	_													
	Depth In (m	1)		\mathbb{H}			+	Pum	_	Liner Siz	e SPM	Pressure	Hrs Run																	
	al Drilled (m	_		\dashv							П			MUD MATE	ERIALS ADD	DED														
	Run Toda			\dashv											Product			Amount	Туре											
Cumula	Entry Dat	-			Drill Pipe Drill Pipe		ands ngles	_																						
CUTTI	IG STRU	CTURE	iel e		Kelly Down			Rem	arks																					
м	TO	OD Rasson Pull	C	4	Total Weight of DC			_												BDB	50 LITE	RES								
Li Bi		Total Run (m)	ы		/eight of String															1										
METRE	SDRILLE	D-R-C R	PM W	HO	LE CONDI	TION			np# Pr			es/min	Donth						-	1										
				-	Hole Drag	Up	Down	Fu	ام سر	essure @	}	@	Sepui	BOILER BoilerN	lo Hour	sRun I	pН	C+	ackTemp	SAFET	Y									
					Torque At E			\dashv	+	G		@	Н	1 2	5.	00 00	10 10		340 340	WALK			Safety Topic				MEHL		M	ACP
	TOUR	3	SIGNA	TURE OF	DRILLER	ERIC	OBF	RIEN		,		Ĭ		Ĺ	3.				V-FV							STAR	THIME 20	:00	END TIME	24:00
					LLING AS				RECORD					DEVIATION	N SURVEYS					T11.0-	00									
BITS	Bit Numbe	er		No	Compo		OD ID	Length			Water 📝	Dil 🔲		Time	Depth Depth	Deviatio	on D	Direction	Type		To Ela						ions In Seq			
	Siz	ne		┰				П			Other	Ĭ								20:00	23:30 3	50 1							T MANIFOLD AND TRANS	
	IADC Cod	le					+	Time	itu	4										1			RIGGED U	P FROM	CELLAR	TO SHAK	ERS, BLC	W MUD I	INES, CHANG	
N	lanufacture	er		40				Funi	el Viscosity											22.20	24.00 0	EQ 245	EXISTING HAZARD I	WELLS				L LINEO,	TOTBARIOA	DEG AROUND
	Тур	e		$\dashv \square$				pH	Loss								+			23:30	24:00 0	50 ZIF	HAZAKUI	TUNT CO	NDUCTE	J B T KIG	CREW			
	Serial N Jet	is I		ПН			+	Loca	tion Of Samp h	le			_	SOLIDS CO		-	÷				\pm	\pm								
		世						PVT		7	_		=	Equipment Name	Hours Run	Inta Den:	ke C sity	Over Flow Density	Under Flow Density	\vdash	$\pm F$									
De	epth Out (m	1)		ightharpoonup		-I	\perp	Cir	culation											F	-	\perp								
	Depth In (m	1)		\dashv			+	Pum	p# Type	Liner Size	e SPM	Pressure	Hrs Run									#								
	Il Drilled (m Run Toda	y v		$\dashv \Box$			Ŧ				Щ	\Box		MUD MATE	RIALS ADD	ED						\pm								
	tive Hrs Ru	n		\dashv H	Drill Pipe	Ri	ands	╙	4	_	\sqcup	_	Щ	NATURAL	Product GEL			Amount 3	Type 30 SX			1								
	Entry Dat			\neg \vdash	Drill Pipe		ngles	Rem	arks		Ш			EZ GEL			#		1 SX											
CUTTI	IG STRU	Gag	je .		Kelly Down									HUMALITI TKPP					8 SX 2 SX	1—	ks_	Т								
м		OD Ressor Pul	C	\exists	Total Weight of DC			\dashv						SAWDUS	г		+	17	75 SX	HAZ BOO	ARDS F M LINE	OUND	AND REG	CTIFIED DRUM -	DURIN RE-SPO	G HAZA OOLED	ARD HUI IT	NT,		
Li Bi	RG	Total Run (m)	<u> </u>	v	leight of String												1	_		BUM	PER BL	OCKS	NOT PUT	IN BE	TWEEN			ISFER 1	ΓANK	
	S DRILLE To	D-R-C R	PM W	DR	LE CONDI	TION			np# Pr	MP SPE essure		es/min	Depth	DO:			╧			1.56		JUEL	_a., ve-1	7 <u>-</u> 011						
			+		Hole Drag Torque At E	Bottom	Down	-		@	}	@	\Box	BOILER BoilerN	lo Hour	sRun	pН	St	ackTemp	SAFET	Y									
					510.5			\dashv	-	- 8		- 66	\vdash	1	4.	.00	10		340				Safety Topic				MEHL		MA	ACP

			FR	ONT P	AGE S	UMMAR	Υ			1	our Sheet Seria	Number 465_20161	207_1A	Vender Soft		16.6.14.3	37064	Year 20	016	Month 12	Day 07	DAILY CHEC		ction			OP RM				
32575	AR	Name RCRES H	Z SEPTIM	IUS I11-34	1-81-18W	6				1	urface Location 1-34-81-1	1		BC		Loc Type DLS	Unique \	Vel Id 9-35-81-				(2.) Detailed Inspec (3.) H2S Signs Pos (4.) Well Licence &	tion - Wee ted if Requ	uired		9	DS RT	(CAC	DC	•)
ARC Resour	ces Li	td.						Precis	ion Drillir	ng, div of I	PDC			465		Well Type	но	RIZ			te-Entry	(5.) Flare Lines Sta (6.) BOP Drills Perf (7.) Visually Inspec	ked ormed ted BOPs-I	-Flare Line	es & Degassi	er Lines	\pm				
Operator's AFE 16DRL0084	ode Brown							34		Rig Manager					Spud Dat	07-Dec-	2016		00:	00		(1.) Rig Site Health (2.) CAODC Rig Sa (3.) Mast Inspection	dety Insper	ction Che	ecklist (one/rig	onth) ig/month)	RT				
DOUG SHE		26.18316							OMPKINS	8								L				(4.) Crown Saver C (5.) Motor Kills Che	hecked cked				RT		Kelly Bushing	[Op Fu	el
	tig Jo	Drill Actual	3 Reaming	4 Coring	Cond Mud & Circ	6 Trips	Rig Service	Repair Rig	Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	18 Squeeze Cement	19 Fishir		Dir Work		Tear Down	Waiti On		Rig /atch	25 Other		FUEL	@ 08:00) HRS
	Jp	1.25	-	-	2.25		Service	Rig	Drilg Line	Survey	Logs	& Cement	Cement	BOP	BOP	Test	Back	Cement		_	3.25	0.75	Down	On	n W	/atch		10TAU 8.00	33744 Time	116	
Tour 2		0				4.25						1.50	1.00							Ť		0.75		4.5	50			12.00	06:00	-27	
Tour 3																				_	3.75							4.00	Wind Direct	on Wind S	Strength FO 19 KM/H
TOTAL	_	1.25			2.25							1.50	1.00							7	7.00	1.75		4.	50		_	24.00	FAIR	oon .	
TOUR	1	SIC	NATURE OF	DRILLER	ERIC	OBRII	EN																		-	START TI	м≡ 0:	:00	END TIM	8:00	0
BITS	×		DR	Compo		OD ID Len	MUD R	ECORD Mud T	ype Water			DEVIATION Time	SURVEYS	Deviation	Dir	rection	Type	TIME L		lancard (Codo			Dot	aile Of O	noration	e In Som	uance & F	omarke		
Bit Numb		1 279	1	279MN	$\overline{}$	279 1 0.2		mou i	Other	⊼⊸□							.,,	0:00	0:15	0.25	21 S	AFETY MEET		NITH [DIRECTI	IONAL I	REVIEW	/ CTA 2-	1	ΔT 1 5D	FG
IADC Co	de S		2 3 1	8" MUD M		204 1 8.8 204 58 0.9	Time		05:00 1080	Ŧ					+			Ш			2	79MM BIT MO	ONELS	S, GAF	P SUB A	ND JAF	RS, TRO	UBLESI	HOOT FROZ	EN MUD	MOTOR
Manufactu	_	S5160		NON MAG SLICK	MONEL	166 71 9.2	Funnel \		70						+				5:00		Р	USH PUD AND DE								7.1.0	
Ty Serial		1280	_ '	6.5" GAF		163 1 1.6	BH BH		8.5 SHAKEI										6:30		5 A	CCUMULATI	ED CO	NNEC	CTIONS				3, CLEANIN	G UP MU	JD
Ji	14.3	3 14.3 1	1.3 14.3 1	6.5" HYD/MEC	CH JARS	157 58 5.3			80.00 45	`		Equipment	Hours	Intake		ver Flow	Under Flow				6B T	RIP OUT OF	HOLE	DUE.	TO LOS				/IRO PLUG	DOWN H	IOLE &
Depth Out (14.3	14.3 1		X/O SI		165 60 56: 135 58 0.8	10		40			Name	Run	Densit	y E	Density	Density				P	UMP 3M3 WA	ATER (ON TO	OP						
Depth In (0.00					Circula Pump #		ner Size SF	'M Pressure	Hrs Run										R	EPRESENTA	TIVE								
Total Drilled (110.0	<u> </u>				1	_	52 9	_	4.05	MUD MATE	RIALS ADD	ED																	
Hrs Run Tod Cumulative Hrs R		1.25		Drill Pipe	St	ands 27.7	2	PARALLEL 1	52 9	6 18000	1.25	COTTON	Product		A	mount	Type 1 TOTE														
Entry Da		-Dec-2	016 0	Drill Pipe		glas 0.0	Remark				Ш	MAGMA F	IBER				4 SX 6 SX														
CUTTING STR	JCTUR	Gage		Kelly Down		-10.9 110.0	⊣ I				ļ	KWIKSEA	-				0 3A	Remar	ks	CDO	NA/AL C	SAVER UP	DED/	// 014	VED TO	DAVE	e TO	ne « ı	IMITE M	SWC D	DILL
MDC	To	Reason Pulled	8.00	Weight of DC		20.0	⊣ I				ŀ				+			LINE	AND I	DRILI	L LIN	E ANCHO									
BRG METRES DRILL			HO.	Weight of String	TION		REDUC	CED PUMP										ELEV	AIUH	(S, D	OG C	OLLARS									
From To 0.00 110.00	D-R- DRIL	L 50	WOR	Hole Drag			O Pump	# Pres	sure s	Strokes/mir @	Depth	BOILER			<u>+</u>																
				Torque At E		260	0	1	@	@		BoilerN	o Hour	00	10.5 10.5	Sta	340 340	MAKE U			Saf	ety Topic				33	MEHL			MACP	
TOUR	2	SIC	NATURE OF			LOEW	EN	_	85			Ź	0.	00	10.5		340	MARL	OF BITA								M≡ 8:	00	END TIM	20:0	00
BITS			DR	ILLING A	SSEMBL	Υ	MUD R	ECORD				DEVIATION	SURVEYS					TIME L	og												
Bit Numb	per	1	No	Compo		OD ID Len	gth			₫ 011 🗆		Time	Depth	Deviation	Dir	rection	Type	From	To E			AFETY MEE	TING H					uance & F		EWED CT	ΓΛ
s	_	279	1	279MN 8" MUD M		279 1 0.2 204 1 8.8	7 Time		Other	18:3								8:15			s	ECTION 2-4 RIP OUT OF									
IADC Co Manufactu		4 2	2 3 TE 1	8" CROSSOVI	ER SUB	204 58 0.9	Density	/iscosity		1065					+						J	ARS AND M.	W.D SI	URVE	Y TOOL	DRAII	N AND A				
Ту	pe S	S5160		6.5" GAF		166 71 9.2	4			8.5								15:30	16:00	0.50	12A R	IG UP CEME	NTERS	S				3 PLUGS	3		
Serial J		1280	→	NON MAG SLICK		166 71 9.3	9 Location	of Sample		PRE	міх	SOLIDS CO	NTROL					16:15			12F C	EMENT PLU	G, PUN	MP 18	TONNE	OF CE	MENT, F	HAD RET		DROPPE	D
	1.4.0	3 14.3 14	1.3 6	DRILL C	OLLAR	165 60 56.	PVT			65		Equipment Name	Hours Run	Intake Densit		ver Flow Density	Under Flow Density	17:15 18:15	18:15	1.00	13 W	VAIT ON CEN	IENT F	OR O	NE HOL	UR			R LOSSES		
Depth Out (0.00	1	X/O SI	JB	135 58 0.8	Circula	ation													21 S	LOW STAND	TING C							R AND A	.RC
Depth In (Total Drilled (0.00	<u> </u>				Pump#	Type Li	ner Size SP	M Pressure	Hrs Run										R	EPRESENTA	TIVE								
Hrs Run Tod		0.00										MUD MATE	RIALS ADD Product	ED	l A	mount	Туре														
Cumulative Hrs R		1.25	016 0	Drill Pipe Drill Pipe	Str	ands 27.7						ENVIROP	_UG		+	(6 BAGS 2 BAG														
CUTTING STRI			010 0	Kelly Down	on	0.0 200 -10.9		В				EZ GEL				12															
TO MDC	= ,	ODC Reason Pulled		Total Weight of DC		110.0					ŀ											SAVER UP E ANCHO									
LOC BRG	To .	tal Run (m/hr) 8	8.00	Weight of String		20.0									+							OLLARS	ν, πνο	J		100 0	LIIVE	0, 11(0)	1110001	iii Lort,	olii o,
From To 0.00 110.00	D-R-	C RPM	WOB HO	LE CONDI Hole Drag	TION	Down	Pump	# Pres	sure \$	Strokes/mir		BOILER																			
0.00		- 00	Ì	Torque At E	Bottom				@	@		BoilerN	o Hour		pH 10	Sta	ackTemp 340	SAFETY	Y		Sof	ety Topic					MEHL			MACP	
	Ļ	╈		Fill On E		000.		1	@	@		2	12		10		340	CEMEN	ITING		Jali	, . spn				22		.00			
TOUR	3	SIC				OBRII																				START TI	ME 20	:00	END TIM	24:0	JU
BITS Bit Numb		1	DR No	Compo	_	OD ID Len	_	ECORD Mud T	ype Water	oi 🗀		DEVIATION Time	SURVEYS Depth	Deviation	Dir	rection	Type	TIME L	To E	lapsed (Code			Deta	tails Of Or	peration	s In Sea	uance & F	emarks		
Bit Numb		279							Other									20:00	20:15	0.25	21 S	AFETY MEE		NITH [DIRECTI	IONAL,	REVIEV	V CTA 2-	1	OM DER	RICK
IADC Co	_	4 2				++	Time Density														Α	ND MAKE UI	GAP	SUB	AND EN	I TOOL					
Manufactu Ty	_	S5160	_					/iscosity ss							+																
Serial	_	1280	_				pН	of Sample				201484	NITE O		╧				_]	7										
Ji		3 14.3 1					Depth					Equipment	Hours Run	Intake Densit		ver Flow Density	Under Flow Density														
Depth Out (14.3 14	1.3			廿						Name	Run	Densit	, [nativity	Density		\exists	\exists	\pm										
Depth In (m)	0.00	_		-7	$+ \Gamma$	Circula Pump#		ner Size SF	'M Pressure	Hrs Run				\pm			H		1											
Total Drilled (110.0	<u> </u>			\perp						MUD MATE	RIALS ADD	ED						\exists											
Hrs Run Tod Cumulative Hrs R		1.25	\dashv	Drill Pipe	Sta	ands	L	\Box					Product		А	mount	Туре														
Entry Da	te 07	-Dec-2	016	Drill Pipe	Sin	_	Remark				4										\pm										
TI TO	JOHUK!	Gage		Kelly Down Total			-				ļ				+			Remar	ks CTION	CRO	WN S	SAVER UP	PFR/	/LOW	VER TE	RAVEI	STO	PS & I	IMITS M	CWS D	RILI
MDC	To To	Rasson Pulled	8.00	Weight of DC			1				ļ				+			LINE	AND I	DRILI	L LIN	E ANCHOR	R, INS	SPEC	T TON	NGS &	LINE	S, IROI	N ROUGH	NECK,	SLIPS,
METRES DRILL	±D		HO.	Weight of String	TION			CED PUMP							+				A10F	.0, 0	JJ 0	SELANO									
From To	D-R-	C RPM	WOB	Hole Drag	Up	Down	Pump	# Pres	sure \$	Strokes/mir @		BOILER	o U	e Direct		100	ockTo:	SAP	v												
				Torque At E			-		@	@		BollerN 1	0 Hour 4.	00	10.5	Sta	340 340		G UP BH		Saf	ety Topic					MEHL			MACP	

CEMENTING CASING

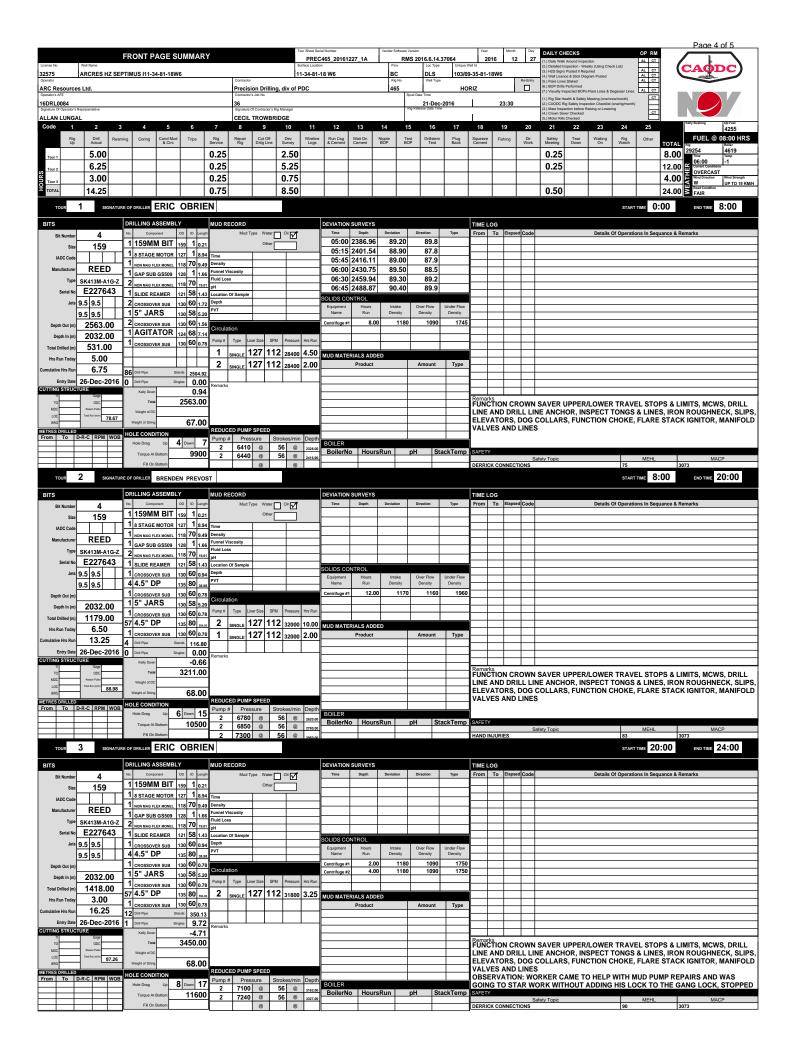
CEMENTING CASING

			FR	ONT	PAGE S	UMM	ARY				Tour Sheet Seri	al Number 465_20161	209_1A	Vender Sof	RMS 2	016.6.14.	37064	Year 20	Month	Day 2 09	DAILY C		ction		OP RM		<u> </u>	$\overline{\ }$
32575		Well Name ARCRES	HZ SEPTII	MUS 111-	-34-81-18V	V6				- 1	Surface Locatio 11-34-81-1	n		BC		Loc Type DLS	Unique \	Well Id 9-35-81-1			(2.) Detailed I (3.) H2S Sign	nspection - We s Posted if Rec ace & Stick Dia	ekly (Using Che juired	ck List)		(CAOI	oc)
Operator	Resource							Contract Preci:	or sion Drillin					Rig P 465	No	Well Type		RIZ		Re-Entry	(5.) Flare Line (6.) BOP Drill	s Staked Performed			Ħ	`	200000	
Operator	s AFE							Contract 34	or's Job No					•		ote Time 07-Dec-		1	03:45		(1.) Rig Site F	lealth & Safety	Flare Lines & D Meeting (one/or action Checklist	rew/month)				
Signature		Representative						Signatun	Of Contractor's R						Rig Ra	lease Date Time	20.0		00.40		(3.) Mast Insp (4.) Crown Se (5.) Motor Kill	ection before F ver Checked	taising or Lower	ing				
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	5021
	Rig Up	Drill Actual	Reaming	Coring	Cond Mus & Circ	d Trips	s Rig Servi	Repair Rig	Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL	FUEL @	08:00 HRS
Tour	11						\top															2.00				2.00	28723 Time	11641 Temp
																											02:00 Current Condition OVERCAST	-28
TOT																											Wind Direction ✓ N	Wind Strength UP TO 19 KM/H
т от.	AL																					2.00				2.00	Road Condition FAIR	
	TOUR	1 s	IGNATURE O	F DRILLER	DAVE	LOE	WEN																	START	nime 0:	00	END TIME	8:00
BITS			DF	RILLING	ASSEMBI	Y	MU	RECORD				DEVIATION	N SURVEYS					TIME L	og.									
	Bit Number		No		mponent	OD ID			Type Water	Z oil 🗆		Time	Depth	Deviation	n D	Pirection	Type	From	To Elaps	ed Code	D: 1		Details	Of Operati	ions In Sequ	ance & R	emarks	
	Size					\vdash	$+\!\!\!\!\!\perp$		Other						_			0:00	2:00 2.0	0 22	Prep Rig to	walk to	H11-34-8	1-18W6. V	well pause	a @ uz:	00hrs Dec 9/16	
	IADC Code		⊥				Time		+	-								\vdash	-	+								
М	lanufacturer							el Viscosity Loss											_	-								
	Type Serial No		_			-	pH																					
	Jets						Dep	tion Of Sample	,			SOLIDS CO	ONTROL	Intak		Over Flow	Under Flow											
							PVT					Name	Run	Dens		Density	Density											
	epth Out (m)					\vdash	Cir	ulation											-	+								
	Depth In (m)						Pum	p# Type I	Liner Size SPI	f Pressur	e Hrs Run									\blacksquare								
	Run Today						\perp					MUD MATE	RIALS ADD	ED														
Cumulat	tive Hrs Run		┰┠	Drill Pipe	S	tands	╙						Product		-	Amount	Туре											
	Entry Date			Drill Pipe	s	ingles	Rem	arks																				
CUTTIN	NG STRUC	Gage		Kelly Do			_											Remark	ks									
м		ODC Resson Pulled		To Weight of			\dashv										+	ł										
LC BF	RG	Total Run (m/hr)		Weight of Str	ring													1										
Marka From	S DRILLED To	D-R-C RPM	WOB	DLE CON				np# Pre		trokes/mi	n Depth							1										
			\blacksquare	Hole Drag		Down	+		@	@		BOILER BoilerN	lo Hour	sRun	pН	Sta	ackTemp	SAFETY	,									
					On Bottom				@	@		1 2	2.	00	10 10		340 340			Si	fety Topic				MEHL		MAG	CP
	TOUR	2 8	IGNATURE O	F DRILLER	ROD 1	ГОМР	KINS																	START	niM≡ 8:	00	ENDTIME 2	20:00
BITS			DE	RILLING	ASSEMBI	_Y	мп	RECORD				DEVIATION	N SURVEYS					TIME L	06									
	Bit Number		No		mponent	OD ID		Mud	Type Water	7 Oil		Time	Depth	Deviation	n D	Pirection	Type		To Elaps	ed Code			Details	Of Operati	ions In Sequ	ance & R	emarks	
	Size						+L		Other																			
	IADC Code		Щ⊢			\vdash	Time	ity										\vdash		+								
м	lanufacturer 						Funi	el Viscosity Loss												\blacksquare								
	Type Serial No					\vdash	pH																					
	Jets		$\neg \vdash$				Loca	tion Of Sample h	+			SOLIDS CO																
							PVT					Equipment Name	Hours Run	Intak Dens		Over Flow Density	Under Flow Density		_	+								
De	epth Out (m)					\vdash	Cir	ulation						-	_			Н		\blacksquare								
	Depth In (m)						Pum	p# Type I	iner Size SPI	f Pressur	e Hrs Run																	
	I Drilled (m) Run Today		-									MUD MATE	RIALS ADD	ED														
	tive Hrs Run		┰┝	Drill Pipe		tands	╙						Product			Amount	Туре											
	Entry Date			Drill Pipe		ingles	Rem	arks										\vdash										
CUTTIN	IG STRUC	Gage		Kelly Do														Remark	ks									
M		ODC Resson Pulled		Te Weight of	_		\dashv											-										
LC BF		Total Run (m/hr)		Weight of Str	_		┖											1										
METRE From	To	D-R-C RPM	WOB HO	DLE CON				np# Pre		trokes/mi	n Depth							1										
E	H		\blacksquare	Hole Drag	_	Down	HĒ		@	@		BOILER BoilerN	lo Hour	sRun	pН	Sta	ackTemp	SAFETY										
					On Bottom				@	@ @										Si	afety Topic				MEHL		MAG	CP
	TOUR	3 8	IGNATURE O	F DRILLER	ROD 1	ГОМР	KINS																	START	TTIME 20	:00	ENDTIME 2	24:00
BITS					ASSEMBI			RECORD				DEVIATION	SURVEYS					TIME L	06									
	Bit Number		No	_	mponent	OD ID			Type Water	Oil		Time	Depth	Deviation	n D	Virection	Type		To Elaps	ed Code			Details	Of Operati	ions In Sequ	ance & R	emarks	
	Size					I	\Box		Other						\perp			H		$\pm \exists$								
	IADC Code		\Box \vdash			\vdash	Time	itv	-	F	\Box				\pm				\blacksquare	\blacksquare								
M	lanufacturer			L		ш	Funi	el Viscosity		1					T	\Box			\perp	\blacksquare								
	Type Sorial No.		-				pH	Loss							+													
	Serial No Jets	\neg	$\dashv \vdash$	\vdash		\vdash	Loca	tion Of Sample	+-	+	\dashv	SOLIDS CO							\pm	\perp								
		\dashv	+L				PVT		1	1		Equipment Name	Hours Run	Intak Dens	ity C	Over Flow Density	Under Flow Density	\vdash	\perp	\blacksquare								
De	epth Out (m)					H	Cir	ulation							Ŧ			H	\perp	\Box								
	Depth In (m)		<u></u>			+			iner Size SPI	f Pressur	e Hrs Run				#				\perp	\Box								
	Il Drilled (m)		<u> </u>									MUD MATE	RIALS ADD	ED	┢				\perp	\perp								
	s Run Today tive Hrs Run		$ \vdash$	Drill Pipe		toode	Щ	\Box					Product			Amount	Туре			$\pm \Box$								
	Entry Date		\dashv	Drill Pipe Drill Pipe		tands ingles	Rem	arko			Щ							\vdash		\blacksquare								
CUTTIN	NG STRUC	Gage		Kelly Do	own		rem	us n.0							+			Remar	ke .									
M		ODC Resson Pulled		Te Weight of			\dashv							_	\mp			Neman										
LC BR		Total Run (m/hr)		Weight of Str			\dashv								1			1										
METRE	S DRILLED	D-R-C RPM	WOB HO	DLE CON	IDITION			np# Pre		trokee/e-1	n Depth							1										
				Hole Drag	_	Down	Fu	- F16	@	@		BOILER BoilerN	lo Hour	sRun	pН	Q4-	ackTemp	SAFETY										
			+	Torque	_		\perp		@	@		Lonein	Hour		ριι	Ole				Si	afety Topic				MEHL		MAG	CP

			FR	ONT	PAGE S	UMM	ARY			To	our Sheet Seri	al Number 465_20161	221_2B	Vender Softv		016.6.14.3	37064	Year 20	Month		DAILY C	HECKS	ection		OP RM			$\overline{}$
32575		Well Name ARCRES	HZ SEPTII	MUS 111-	34-81-18V	V 6				- 1	urface Locatio 1-34-81-1	n		BC BC		DLS	103/0	Well Id 9-35-81-1			(2.) Detailed (3.) H2S Sign	Inspection - We ns Posted if Re- ince & Stick Dia	ekly (Using Che quired	ock List)	AL RT	(CAO1	oc)
ARC F	Resource	s Ltd.						Precis	ion Drilling,	div of P	PDC			465	,	Well Type	но	RIZ		Re-Entry	(5.) Flare Line (6.) BOP Drill	es Staked Is Performed	Flare Lines & D	Doggereer I ince	ш			
Operator's								Contracto 36	's Job No						Spud Dar	07-Dec-	-2016	1	03:45		(1.) Rig Site I (2.) CAODC	Health & Safety Rig Safety Insp	Meeting (one/cr ection Checklist	rew/month) (one/rig/month				
Signature		Representative						Signature	Of Contractor's Rig I	Manager					Rig Reie	ease Date Time		i			(3.) Mast Insp (4.) Crown Sa (5.) Motor Kill	pection before F aver Checked	Raising or Lower	ring				
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	4159
	Rig Up	Drill Actual	Reaming	Coring	Cond Muc & Circ	Trips	Rig Service	Repair Rig	Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL	Rig	08:00 HRS
Tour	1					_																					37233 Time 06:00	8711 Temp -1
O Tour		_	-	-	-	-			\vdash										<u> </u>								OVERCAST	iá .
HOURS	, 1.5					-		-	\vdash					0.50												2.00	Wind Direction E Road Condition	Wind Strength UP TO 19 KM/H
тот														0.50												=		
	TOUR	1 s	IIGNATURE O	F DRILLER	ROD 1	OMP	KINS																	STAR	### 0:	00	END TIME	8:00
BITS			DF		ASSEMBL		MUD	RECORD				DEVIATION Time	SURVEYS	Deviation	Die	irection	Type	TIME L		الديماني			D. r. ile	01 0	I O	0 D.		
	Bit Number Size		No	Con	reponent	OD ID	Length	Mud I	ype Water V			Time	Deptin	Deviation	Dil	rection	туре	From	To Elaps	led Code			Details	Of Operati	ons In Sequ	iance & Ke	marks	
	IADC Code		T				Time			T						_												
м	lanufacturer						Densi Funne	y I Viscosity																				
	Туре						Fluid	.oss							+	_		\vdash	_	+								
	Serial No						Locat	on Of Sample				SOLIDS CO	ONTROL							\blacksquare								
	Jets	-					PVT					Equipment Name	Hours Run	Intake Density		Iver Flow Density	Under Flow Density											
De	pth Out (m)						Circ	ılation																				
	Depth In (m)						Pump		ner Size SPM	Pressure	Hrs Run																	
	l Drilled (m)											MUD MATE	ERIALS ADD	DED														
	Run Today						Щ						Product		A	Amount	Type	-										
	Entry Date		\dashv	Drill Pipe Drill Pipe		tands ngles																						
CUTTIN	IG STRUC	TURE Gage		Kelly Do	wn		Rema	KS							+			Remar	ko									
ME ME		ODC Resson Pulled		To Weight of E											-			Treman	N.O									
LC BF		Total Run (m/hr)		Weight of Stri														1										
Marka From	To	D-R-C RPM	I WOB	DLE CON				p# Pres		okes/min	Depth							1										
				Hole Drag	Up	Down			@	@		BOILER BoilerN	lo Hour	sRun	pН	Sta	ackTemp	SAFETY	,									
					On Bottom				@	@										Si	afety Topic				MEHL		MA	CP
	TOUR	2 8	IGNATURE O	F DRILLER	ROD 1	ОМР	KINS																	STAR	aiM≡ 8:	00	END TIME 2	20:00
BITS			DF	RILLING	ASSEMBL	.Y	MUD	RECORD				DEVIATION	N SURVEYS					TIME L	og									
	Bit Number		No	Cor	mponent	OD ID		Mud 7	ype Water 🔽	Oil		Time	Depth	Deviation	Dir	irection	Type		To Elaps	ed Code			Details	Of Operati	ons In Sequ	ance & Re	marks	
	Size						- Tona		Other	ᆛ																		
	IADC Code		_				Time Densi																					
	anufacturer Type		_				Funne	l Viscosity .oss																				
	Serial No						pH Locat	on Of Sample																				
	Jets						Depth PVT					SOLIDS CO Equipment	Hours	Intake		ver Flow	Under Flow	\blacksquare		\blacksquare								
			——├									Name	Run	Density	/ [Density	Density											
	epth Out (m) Depth In (m)							lation																				
	l Drilled (m)						Pump	# Type Li	ner Size SPM	Pressure	Hrs Run																	
Hrs	Run Today		_					+				MUD MATE	Product	ED	A	Amount	Туре											
	ive Hrs Run			Drill Pipe		tands											1											
	Entry Date	TURE		Drill Pipe Kelly Do		ngles	Rema	rks	-									\vdash										
1	ro	Gage		То	etal													Remark	ks									
ME LC	ж	Resson Pulled Total Run (m/hr)		Weight of E	_		_											1										
METRE	S DRILLED		110	Weight of Stri				JCED PUMF										1										
From	То	D-R-C RPM	WOB	Hole Drag	Up	Down	Pum	p# Pres	sure Stro	okes/min		BOILER		_	_													
E		\perp		Torque /	At Bottom		-		@	@		BoilerN	lo Hour	sRun	pН	Sta	ackTemp	SAFETY		Si	afety Topic				MEHL		MA	CP
	TOUR	3 s	IGNATURE O			ORI	RIEN		@	@			4	\Box											TIME 20	.00	END TIME	24.00
																								STAR		.00	- SUPPRIOR A	
BITS	Bit Number		No.		ASSEMBL reponent	OD ID	Length	RECORD Mud 1	ype Water	Oil		DEVIATION Time	SURVEYS Depth	Deviation	Dis	irection	Type	From	To Elaps	ed Code			Details	Of Operati	ons In Sequ	iance & Re	marks	
	Size								Other						F			22:00	23:30 1.5	0 1A	WALK RIG							
	IADC Code					+	Time	v		Ē					+							0(0			,			
М	lanufacturer _		<u> </u>			\perp	Funne	l Viscosity		1					1	\neg			\perp	\blacksquare								
	Type Serial No		-				Fluid								+			\vdash										
	Serial No Jets	П	$\dashv \vdash$			+	Locat Depth	on Of Sample	<u> </u>	\pm		SOLIDS CO			Ŧ				\perp	\pm								
							PVT			F		Equipment Name	Hours Run	Intake Density	/ [Iver Flow Density	Under Flow Density	Н	_	± 1								
	epth Out (m)		}-			+	Circ	ılation						<u> </u>				H	$ \Gamma$	+								
	Depth In (m)		<u>-</u>			\perp	Pump	₩ Type Li	ner Size SPM	Pressure	Hrs Run				Ŧ	$-\Box$		H		\blacksquare								
	l Drilled (m) Run Today		\dashv			I		$\perp \perp$				MUD MATE	ERIALS ADD	DED	÷				\perp	\blacksquare								
	ive Hrs Run			Drill Pipe	S	tands	\dashv	++	_	<u> </u>	Ш		Product		A	Amount	Туре	H	\perp	\Box								
	Entry Date	TUDE		Drill Pipe	Si	ngles	Rema	rks			Щ						1	H										
COTTIN	TI STRUC	Gage ODC		Kelly Do			\dashv								Ŧ			Remark	ks	\perp								
ME		Rasson Pulled Total Run (m/m)		Weight of E											+			1										
BR				Weight of Stri			RED	JCED PUMF	SPEED						\pm			1										
From	То	D-R-C RPM	I WOB	Hole Drag	DITION Up	Down	Pum		sure Stro	okes/min		BOILER																
	П		\Box	Torque /	At Bottom		┰		@	@	\vdash	BoilerN 1	lo Hour	sRun 00	рН 10	Sta	ackTemp 340	SAFETY			afety Topic				MEHL		MA	CP.
				EN O													- /-			- 30	, pro						14/70	

FIRE DRIL

			FR	ONT PA	AGE SI	JMMAR	Y			Т	our Sheet Seria	Number 465_20161	225_1A	Vender Softw		16.6.14.3	37064	Year 20		lonth 12	Day 25	DAILY CH		ection		OP RM			$\overline{}$
32575	A	oll Name RCRES H	Z SEPTIM	US I11-34	1-81-18W	6				1	urface Location 1-34-81-1			BC		Loc Type DLS	Unique \	Vell Id 9-35-81-1				(2.) Detailed In (3.) H2S Signs	spection - We Posted if Req ce & Stick Dia	quired	Check List)	AL RT	- (CAO	DC)
ARC Resou	ırces L	td.						Precisi	ion Drilling	g, div of F	PDC			465		Well Type	но	RIZ			i-Entry	(5.) Flare Line: (6.) BOP Drills (7.) Visually In	s Staked Performed spected BOPs	- -Flare Lines	& Degasser Line	AL RT	41		
16DRL0084	l							36	's Job No Of Contractor's Ri	- 14					Spud Date	21-Dec-	2016	1	23:3	30		(2.) CAODC R	ealth & Safety ig Safety Inspe action before R	ection Check	dist (one/rig/mon	h) RT	1 1	\mathbf{M}	
ALLAN LUI	NGAL	20112070						ROD T	OMPKINS									1				(4.) Crown Sar (5.) Motor Kills	er Checked Checked			RT		Kelly Bushing	[Op Fuel
Code	Rig Uo	Drill Actual	3 Reaming	4 Coring	Cond Mud & Circ	6 Trips	Rig Service	Repair Rig	Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	19 Fishing		Dir Vork	Safety Meeting	Tear Down	Waiting On	Rig Watch	25 Other	П	FUEL @	3966 08:00 HRS
	Up	6.50	-	-	& Circ		0.25	Rig	Drilg Line	1.00	Logs	& Cement	Cement	BOP	BOP	Test	Back	Cement		- V	Nork	0.25	Down	On	Watch		8.00	38651	4856
Tour 2		8.25					0.25			3.25												0.25					12.00	06:00 Current Condi	-21
Tour 3		2.50			0.25		0.25			0.50										-	.50						4.00	Wind Direction	Wind Strength UP TO 19 KM/H
TOTAL		17.25			0.25		0.75			4.75										0).50	0.50					24.00		n
TOUR	1	SIG	NATURE OF	DRILLER	ERIC	OBRII	EN																		STAF	тиме О	:00	END TIME	8:00
BITS		_	DR	LLING AS		OD ID Leng	MUD R		ime. Water	* 0i -		DEVIATION Time	SURVEYS	Deviation	Die	rection	Type	TIIME T	OG To Els	onead C	odo			Dotai	Is Of Opera	tione In So	nuanco & P.	marke	
Bit Nun	nber Size	200	1	200MN		200 1 0.2	7	Muu I	ype Water Other			00:45	1778.00	31.4	0	133.3	1,500	0:00		5.25	2 DI			IN BUI	LD SECTI	ON FROM	1796M - 1		S AND
IADC C	ode			6.5" MOTOR 7		1 9.1 162 72 1.5	9 Time 5 Density		00:45 1150	02:30			1788.67 1798.26	31.4 33.8		133.3 133.4			6:30 0		C	ONNECTI	ONS.		ANNULAR,	-			
Manufact		ALIBURT	ON 1	6.5" NON MAG FL	LEX MONEL 1	163 72 9.2	4 Funnel V		30	30			1807.85 1817.36	36.0 38.4		130.6 129.1		6:30	7:45 1	1.25	2 DI	RILL 2001	MM HOLE	IN BUI	LD SECTI	ON FROM	1833M - 1		AND
Seria		28619	<u>~ </u>	6.5" GAP		1 1 1.6 156 65 0.9	8 pH		10 SHAKER	10 SHA	KER	06:45	1827.08			128.4						OMPANY							
		9 7.9 7.	9 7.9 3	6.5" NON MAG FL	LEX MONEL 1	163 72 27.	Depth PVT		1802.00 50	1812		Equipment	Hours	Intake		ver Flow	Under Flow												
Depth Out		9 7.9 18 50. 0	0 1	K/O SU	JB	157 58 5.3	0					Name Centrifuge #			60	Density 1140	Density 1745			\exists	-								
Depth In	_	1655.0	امدا	4.5" H	WDP -	114 73 45	Circula 22 Pump #		ner Size SPN	l Pressure	Hrs Run	Centrifuge #	2 8.0	0 11	60	1140	1745			-									
Total Drilled		195.0 6.50	<u> </u>				1	_	27 69	12000	7.25	MUD MATE	RIALS ADD	DED															
Hrs Run To Cumulative Hrs		16.25	47	Drill Pipe	Sta	nds 1369.4	2	PARALLEL 1	27 69	12000	7.25	CAL CARI	Product 3 325		A	mount	Type 5 EACH												
Entry I		1-Dec-2		Drill Pipe	Sing	900 0.00	Remarks				4	ENERSCA					1 EACH												
TO TO	.0010.	Gage		Kelly Down Total		-20.97 1850.00	→1				ļ							Remark	ks TION	CPO	WN S	AVEDI	IDDED	/I OWE	ED TD AV	/EL STC	DS & 11	MITS MC	WS, DRILL
MDC	= ,	Rasson Pulled Iotal Run (m/hr)	2.00	Weight of DC			1				ŀ							LINE	AND D	DRILL	LINE	E ANCH	OR, IN	SPEC	T TONG	& LINE	S, IRON	ROUGH	NECK, SLIPS, MANIFOLD
METRES DRIL			ч	Veight of String	TION	75.00	REDUC	ED PUMP										VALV	ES AN	ND LII	NES	OLLAN	5, FUN	CHON	CHOKE	., FLANI	SIACI	CIGNITOR	, MANIFOLD
From To 1796.00 1850.0	D-R 00 DRI	-C RPM LL 35	WOB	Hole Drag			Pump #	# Pres 3780		trokes/mir 69 @		BOILER	- 11	- D.	-11	C4-	-l-T		,										
				Torque At E		7200	1	-	@	@	\vdash	BoilerN 1	8.	00 00	10.5 10.5	Sta	340 340	DERRIC		ECTION	Safe	ety Topic			81	MEHL	3	N 173	IACP
TOUR	2	SIG	NATURE OF	DRILLER	BRENDE	N PREVO	ST								10.0		0-10								STAF	anime 8	:00	END TIME	20:00
BITS			DR	ILLING AS	SSEMBL	Υ	MUD RE	ECORD				DEVIATION	SURVEYS					TIME L	og										
Bit Nun	nber	3	No.	200MN		OD ID Leng	pth	Mud T	ype Water Other			Time	Depth	Deviation	Dir	rection	Type		To Els 16:15 8			RILL 2001	MM HOLE		Is Of Opera 1850M - 1		quance & R	emarks	
IADC C	Size	200	T 1	6.5" MOTOR 7			9 Time		10:00	16:00								16:15	16:30 0).25	7 RI	IG SERVI	CE, FUNC	CTION L	JPPER PIF	E RAMS,		S TO CLOS	
Manufact		ALIBUR	ON 1	6.5" NON MAG		72 1.5 163 72 9.2	5 Density	iscosity	1150 30	1150 30											21 H		RSAFET					MANAGER	
		/MD64	 -'	6.5" GAP	SUB	163 1 1.6	8 pH	s	10	10										1									
Seria		28619 9 7.9 7.	\neg	6.5"UBH		156 65 0.9	2 Location Depth	Of Sample	SHAKER 1870.00	SHA 1925		SOLIDS CO	NTROL Hours	Intake		ver Flow	Under Flow												
		7.9	1			157 58 5.3	0 PVT		46	39		Name	Run	Density	D	Density 1150	Density 1840			#									
Depth Out Depth In		1655.0		X/O SU 4.5" H		135 58 0.8	Circula					Centrifuge #				1150	1870												
Total Drilled		296.0	_			++	Pump#		er Size SPN		Hrs Run									#									
Hrs Run To		8.25 24.50				ፗ	2		27 69		11.00	MUD MATE	Product	DED	A	mount	Туре												
			50 016 0	Drill Pipe Drill Pipe	Sta	nds 1456.3	- 1 1					LIME					6 SXS			1									
CUTTING STR	RUCTUE	Gage		Kelly Down		-6.8	5				ŀ	ENERSCA	١V				1 BBL	Remark	ks										
MDC LOC	=	ODC Resson Pulled lotal Run (m/hr)		Weight of DC		1951.00	4				ŀ							LINE	AND D	DRILL	LINE	E ANCH	OR, IN	SPEC	T TONG	& LINE	S, IRON	ROUGH	WS, DRILL IECK, SLIPS,
BRG	LED	1		Veight of String		75.00	REDUC	ED PUMP	SPEED										ATOR ES AN			OLLAR	S, FUN	CTION	CHOKE	, FLARI	E STAC	GIGNITOR	, MANIFOLD
From To 1850.00 1951.	D-R 00 DRI	-C RPM LL 35	WOB 13	LE CONDI Hole Drag		Down	Pump #	Pres 3760		trokes/mir	Depth	BOILER																	
	E			Torque At E		7500		0.00	@	@		BoilerN 1	12	sRun .00	pH 10.5	Sta	340			20	Safe	ety Topic				MEHL			IACP
TOUR	3	SIG	NATURE OF			OBRII	EN		@	@		2	12	.00	10.5		340	SLIPS A	INID I RIP	٥					80 Strat	anime 20	0:00	173 END TIME	24:00
BITS	Ė			ILLING AS			MUD RI	CORD				DEVIATION	SURVEYS					TIME L	OG										
Bit Nun	nber	3	No	Compo	ment	OD ID Leng	pth		ype Water	○1111111111111111111111111111111111111		Time	Depth 1942.85	Deviation		126.6	Type	From	To Ela			RILI 2001	NW HO!		Is Of Opera 1951M - 1		quance & R	emarks	
	Size	200	$\frac{1}{1}$	200MN 6.5° MOTOR 7		200 1 0.2			Other 22:15	ightarrow 1		23:45	1942.00	01.3		120.0		21:30	22:00 0	0.50 2	OA DI		IAL SUR	VEYS, F	RE-SHOOT		S, TROUB	LESHOOT S	IGNAL LOSS
IADC C		ALIBURT	ON 1	6.5" NON MAC	G PONY 1	72 1.5	5 Density	iscosity	1150									22:15	23:15 1	1.00	2 DI	RILL 2001	MM HOLE	FROM	1957M - 1	962M. PE RAMS.	5 SECON	DS TO CLOS	SE.
1	Type	/MD64	M 1	6.5" GAP		72 9.2 163 1 1.6	4		10									23:30	24:00 0	0.50	10 A	CCUMUL	ATED DE	VIATIO	N SURVE	S, WORK	PIPE ANI	CONNECT	ONS.
Seria		28619 9 7.9 7.	_	6.5"UBH		156 65 0.9		Of Sample	SHAKER 1958.00			SOLIDS CO	ONTROL		—					+	+								
		9 7.9	1	6.5" HYD/MEC	CH JARS 1	157 58 5.3	PVT 0		54			Equipment Name	Hours Run	Intake Density	D	ver Flow Density	Under Flow Density												
Depth Out		1655.		X/O St 4.5" H		135 58 0.8	Circula	tion				Centrifuge # Centrifuge #				1140 1140	1720 1720		#	7	1								
Depth In		1655.0 307.0	╙			445.	Pump#	_	ner Size SPN	_	Hrs Run							H	$-\Gamma$		f								
Hrs Run To		2.50	$\exists \vdash$			$\pm \pm$	1 2	PARALLEL	27 69 27 69	_		MUD MATE	RIALS ADD	ED	A	mount	Туре			1	\pm								
Cumulative Hrs	_	27.00 1-Dec-2		Drill Pipe Drill Pipe	Sta		5	PARALLE		12400	0.00				Ŧ		-		\pm		\pm								
CUTTING STE	UCIU.	E Gage	1	Drill Pipe Kelly Down		-5.5	5								\vdash				ka										
TO MDC	=	ODC Rasson Pulled		Total Weight of DC		1962.00	P				ļ							FUNC LINF	STION AND F	CRO	WN S	AVER I	JPPER	/LOWE	ER TRAN	EL STO	PS & LI	MITS, MC	WS, DRILL IECK, SLIPS,
LOC BRG		otal Run (m/hr)	1.37	Veight of String		75.00		ED DUW	CDEE						1			ELEV		S, DC	OG C								, MANIFOLD
From To 1951.00 1962.		-C RPM	WOB 13	LE CONDI Hole Drag		Down	Pump #		sure Si	trokes/mir		BOILER			4]	AI	11	0								
	Ē	Ħ		Torque At E	Bottom	7500	– ∥ 1	3630 5420	@	69 @ 69 @		BoilerN 1		sRun 00	pH 10.5	Sta	ackTemp 340					ety Topic				MEHL		. N	IACP
-	_	\rightarrow	_	Fill On B	Rottom			1	a	@	_, lb			00	10.5		340	DERRIC							101			207	



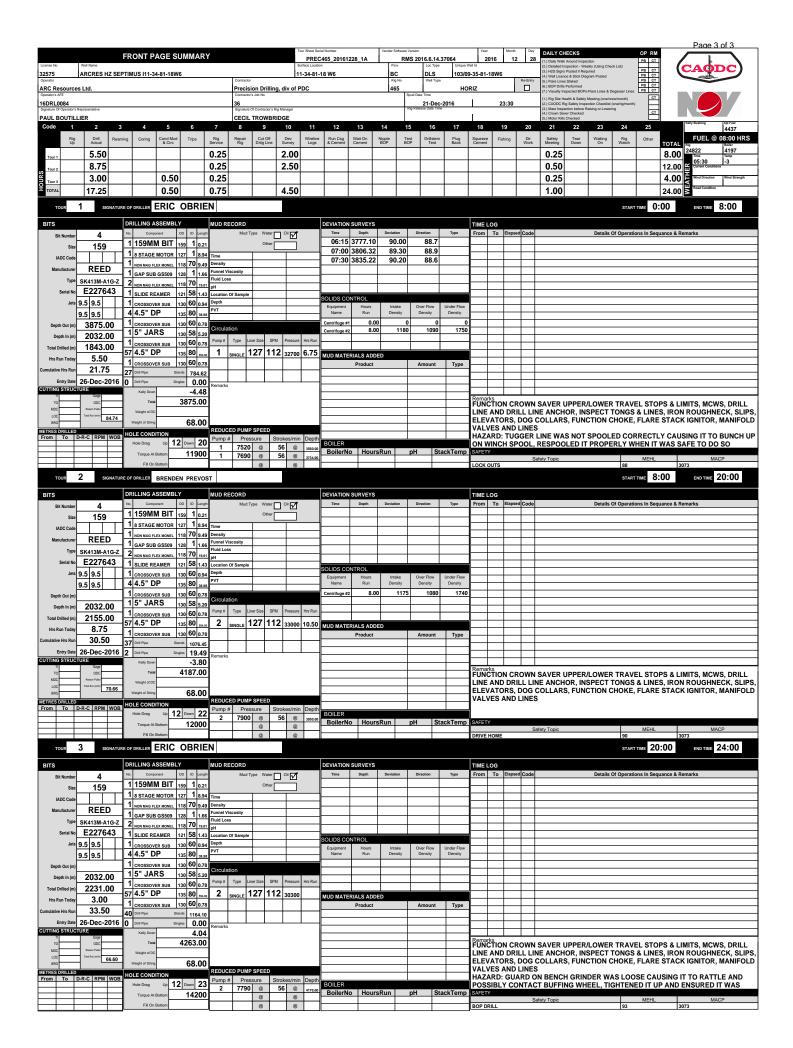
FRONT PAGE SUMMARY PREC465_20161228_1A RMS 2016.6.14.37064 2016 12 ARCRES HZ SEPTIMUS I11-34-81-18W6 11-34-81-18 W ARC Resources Ltd. Precision Drilling, div of PDC HORIZ 465 16DRL0084 21-Dec-2016 23:30 CECIL TROWBRIDGE Repair Rig Dev Survey Nipple BOP Test BOP Plug Back Safety Meeting 4197 5.50 0.25 2.00 0.25 8.00 8.75 0.25 2.50 0.50 12.00 3.00 0.50 0.25 0.25 4.00 17.25 0.50 0.75 4.50 1.00 24.00 ENDTIME 8:00 RE OF DRILLER ERIC OBRIEN STARTITIME 0:00 1 DRILLING ASSEMBLY DEVIATION SURVEYS TIME LOG 4 Water Oil V 00:15 3459.16 91.10 90.4 1 159MM BIT 159 1 0.21 159 00:45 3488.40 1 8 STAGE MOTOR 127 1 8.94 89.70 90.8 01:15 3517.38 91.10 | 3300 | 3.75 | 0.43 | 7.81 | 3.871 | 0.75 | 7.91 | 7.81 | 3.871 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 | 7.91 NON MAG FLEX MONI RFFD 01:45 3546 14 90.10 91 128 1 1.66 SK413M-A1G-2 02:15 3574.93 91.20 90.3 118 70 19 02:45 3603.86 89.30 89.7 COMPANY REP. E227643 1 SLIDE REAMER 121 58 1.43 SHAKER OLIDS CONTROL 1 CROSSOVER SUB 9.5 9.5 130 60 0.94 9.5 9.5 4 4.5" DP 130 60 0.78 3875.00 1180 1090 175 15" JARS 130 58 5.20 Centrifuge #2 2032.00 1 CROSSOVER SUI 57 4.5" DP 130 60 0.78 1843.00 127 112 32700 6.75 1 135 80 554 5.50 1 CROSSOVER SUB 130 60 0.78 Type BBI 21.75 CES SECONDARY 784.62 CES WETTER 26-Dec-2016 ∞ 0.00 ENERMUL P-100 BBI NG STRU -4.48 LIME 3875.00 ENERTONE-D BARITE Remarks FUNCTION CROWN SAVER UPPER/LOWER TRAVEL STOPS & LIMITS, MCWS, DRILL LINE AND DRILL LINE ANCHOR, INSPECT TONGS & LINES, IRON ROUGHNECK, SLIPS, ELEVATORS, DOG COLLARS, FUNCTION CHOKE, FLARE STACK IGNITOR, MANIFOLD GRAPHITE 68.00 VALVES AND LINES NAZARD: TUGGER LINE WAS NOT SPOOLED CORRECTLY CAUSING IT TO BUNCH UP ON WINCH SPOOL, RESPOOLED IT PROPERLY WHEN IT WAS SAFE TO DO SO 12 Down 20 7520 @ 56 @ BoilerNo HoursRun Hq StackTemp 11900 7690 @ 56 @ STARTITIME 8:00 END TIME 20:00 2 SIGNATURE OF DRILLER BRENDEN PREVOST DRILLING ASSE MUD RECORD **DEVIATION SURVEYS** TIME LOG 4 Water Oil 🗹 08:15 3864.48 90.90 1 159MM BIT 1 0.21 89.5 159 09:00 3893.75 91.50 91.6 1 8 STAGE MOTOR 127 1 8.94 14:00 1175 58 10:45 91.40 09:30 3922.89 15:10 0.25 21 DRIVE HOME AND HANDOVER SAFETY MEETING WITH BOTH CREWS, RIG MANAGER AND COMPANY REP.

15:30 0.25 21 A SOUR BOP/ MAN DOWN DRILL, OPEN HCR - 2 SECONDS, CLOSE ANNULAR - 22 SECONDS, WELL SECURE IN 65 SECONDS, MEN PACKED UP AND SEARCH COMPLETED IN 3-45 15.45 0.25 27 RIG SERVICE, FUNCTION UPPER PIPE RAMS, 6 SECONDS TO CLOSE. 18 70 9.49 ION MAG FLEX MONI REED 10:30 3951.99 90.60 89.9 1 GAP SUB GS509 128 1 1.66 88.88 87.5 SK413M-A1G-Z 12:15 4010 44 89 90 88.1 E227643 1 SLIDE REAMER 121 58 1.43 SHAKERS SHAKERS 9.5 9.5 1 CROSSOVER SUB 130 60 0.94 15:45 | 19:30 | 3.75 | 2 | DRILL 159MM HOLE FROM 4090M - 4187M. 19:30 | 20:00 | 0.50 | 10 | ACCUMULATED DEVIATION SURVEYS, WORK PIPE AND CONNECTIONS 4 4.5" DP 135 80 38.9 9.5 9.5 130 60 0.78 8.00 1175 1080 1740 1 5" JARS 130 58 5.20 2032.00 SPM P 1 CROSSOVER SUB 130 60 0.78 2155.00 2 , 127 112 33000 10.50 MUD MATERIALS ADDED 135 80 554.2 8.75 130 60 0.78 1 CROSSOVER SUB nt Type 30.50 BARITE LIQUIDSLIDE GRAPHITE 26-Dec-2016 19.49 NG STRU -3.80 25 EA Remarks FUNCTION CROWN SAVER UPPER/LOWER TRAVEL STOPS & LIMITS, MCWS, DRILL LINE AND DRILL LINE ANCHOR, INSPECT TONGS & LINES, IRON ROUGHNECK, SLIPS, ELEVATORS, DOG COLLARS, FUNCTION CHOKE, FLARE STACK IGNITOR, MANIFOLD 4187.00 CES WETTER 1 EACI ENERMUL P-100 68.00 VALVES AND LINES Pump # Pressure Strokes/min Depth Up 12 Down 22 7900 @ 56 @ 3950.00 StackTemp 12000 BoilerNo HoursRun pН @ @ SIGNATURE OF DRILLER ERIC OBRIEN START TIME 20:00 ENDTIME 24:00 TOUR 3 DRILLING ASSEMBLY TIME LOG DEVIATION SURVEYS
 From
 To
 Elapsed Code
 Details Of Operations in Sequence & Remarks

 20:00
 23:00
 3:00
 23:00
 23:00
 23:00
 5
 INCLUSION HOLE FROM 4187M - 4265M

 23:30
 23:30
 5
 ACCUMULATED DEVIATION SURVEYS, WORK PIPE AND CONNECTIONS.

 23:30
 23:40
 5
 ACCUMULATED DEVIATION SURVEYS, WORK PIPE AND CONNECTIONS.
 4 er 🔲 Oil 🗹 1 159MM BIT 159 1 0.21 20:30 4185.52 90.10 89.6 159 127 1 8.94 1 8 STAGE MOTOR 21:00 22:00 23:30 4243.96 90.20 89.1 118 70 9.49 1160 1160 58 PACKED UP AND WELL SECURED IN 2MIN 33SECS, DURATION OF DRILL 4MIN, F/T REED LOWER PIPERAMS (6SECS TO CLOSE).
RIG SERVICE. GREASE AND SERVICE TOP DRIVE 1 GAP SUB GS509 128 1 1.66 SK413M-A1G-Z 2 NON MAG FLEX MON 118 70 19.0 E227643 1 SLIDE REAMER 121 **58** 1.43 SHAKER SHAKE DLIDS CON 1 9.5 9.5 130 60 0.94 4203.00 106 4228.00 106 135 80 38. 9.5 9.5 4 4.5" DP 130 60 0 7 1 5" JARS 130 58 5.20 2032.00 SPM Press 130 60 0.78 2231.00 57 4.5" DP 2 127 112 30300 135 80 55 3.00 1 CROSSOVER SUB 130 60 0.7 nt Type 33.50 1164.10 BARITE 26-Dec-2016 GRAPHITE Entry Da ∞ 0.00 0 🖂 LIQUIDSLIDI NG STRU 4.04 ENERSLIDE (eac 4263.00 Remarks FUNCTION CROWN SAVER UPPER/LOWER TRAVEL STOPS & LIMITS, MCWS, DRILL LINE AND DRILL LINE ANCHOR, INSPECT TONGS & LINES, IRON ROUGHNECK, SLIPS, ELEVATORS, DOG COLLARS, FUNCTION CHOKE, FLARE STACK IGNITOR, MANIFOLD 66,60 68.00 VALVES AND LINES HAZARD: GUARD ON BENCH GRINDER WAS LOOSE CAUSING IT TO RATTLE AND From To D-R-C RPM WOB 4187.00 4263.00 DRILL 70 14 Pump # Pressure Stro Up 12 Down 23 BOILER POSSIBLY CONTACT BUFFING WHEEL, TIGHTENED IT UP AND ENSURED IT WAS 7790 @ BoilerNo HoursRun StackTemp 14200 @



			FR	ONT P	AGE S	UMMA	RY				Tour Sheet Serie	1 Number 465_20161	229 14	Vender Sc	ntware Version	016.6.14.3	37064	Year 20	16 1		DAILY C				OP RM		1	$\overline{}$
32575	lo .	Well Name ARCRES H	IZ SEPTII	MUS 111-3	4-81-18W	/6					Surface Location	1	ZZO_IX	BC	v	Loc Type DLS	Unique \	Well Id 9-35-81-1			(2.) Detailed (3.) H2S Sign	ik Around Inspi Inspection - We as Posted if Re ance & Stick Dia	eeldy (Using Che quired	ck List)	PB CT PB CT	(c.	AØ]	DC)
Operator	Resource							Precis	ion Drilling					Rig 46	No	Well Type		RIZ		Re-Entry	(5.) Flare Lin (6.) BOP Dril	es Staked			PB CT		2000	
Operator's	s AFE							Contractor 36							Spud D	ate Time 21-Dec-		1	23:30		(1.) Rig Site	Health & Safety	s-Flare Lines & D / Meeting (one/cn section Checklist)		CT			
Signature	Of Operator's BOUTIL	Representative LIER						Signature	Of Contractor's Ri						Rig Re	lease Date Time		1				pection before I aver Checked	Raising or Loweri	ing	СТ			
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	5319
	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 BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	_	Tear Down	Waiting On	Rig Watch		OTAL Rig	FUEL @ 503	08:00 HRS
Tour	d	0.25			3.25	+	+		0.50												0.25	 			 	8.00	Time 05:15	4224 Temp -4
Your	2	+	-			9.75	0.25	-	0.50			3.00								0.7	0.75	+				2.00 4.00	Current Condition Wind Direction	I Wind Strength
TOTA	AL.	0.25			3.25	13.75	+		0.50			3.00				 				0.7	_	_			0.25 2		Road Condition	
	TOUR	1 sı	GNATURE O	F DRILLER																				START			END TIME	8:00
BITS				RILLING A				ECORD				DEVIATION	N SURVEYS					TIME LO										
	Bit Number	4	No	Comp	onent	OD ID Le	ngth		ype Water	Oil 🗹		Time	Depth	Deviation	on D	Nirection	Туре	From	To Elaps	Sed Code	DIO OFFIN				ons In Sequal			
	Size	159		159MI 8 STAGE		159 1 0 127 1 8			Other	戸									0:15 0.2		CLOSE).				TOP DRIVE			SEC 8 10
	IADC Code	REE		NON MAG FL	LEX MONEL	118 70 9	.49 Density		06:00 1175									0:15 0	0:30 0.2 3:45 3.2		CIRCULAT	TE BOTTO	OMS UP X4	4. PUMP L	UBRICITY	PILL AND D	DISPLACE	INTO
	Туре	SK413M-A		GAP SUE		128 1 1	Fluid Lo		58												SAFETY N	IEETING	HELD PRIC	OR TO L.I		EWED CTA	SECTON	ED PILL.
	Serial No	E2276	43 1	SLIDE RE	AMER	121 58 1		of Sample	SHAKER	S		SOLIDS CO	ONTROL					4:00 8	5:00 4.0	0 65	LAY DOW	N DRILL	PIPE, FLO	W CHECK	@ 4115M			
	Jets	9.5 9.5 9.5 9.5		crossov		130 60 0 135 80 3			4273.00 100		=	Equipment Name	Hours Run	Intai Dens		Over Flow Density	Under Flow Density	H										
De	epth Out (m)	3.5 3.5	1	CROSSOV	ER SUB	130 60 0	.78	ation								-	-											
	Depth In (m)	2032.0	JU 1	5" JAI		130 58 5	.20		ner Size SPM	Pressure	e Hrs Run																	
	l Drilled (m) Run Todav	2241.0 0.25	57	4.5" D	P	135 80 ,	2	SINGLE	127 112	30500	5.00	MUD MATE	ERIALS ADD	DED														
	ive Hrs Run	33.7	_ _ '	CROSSOV Drill Pipe		130 60 0.				-	igwdown	BARITE	Product			Amount 2	Type 24 EACH											
Charle	Entry Date	26-Dec-2		Drill Pipe	Sir	ngles 0.0	Remark	L L			┶┩																	
1	TI TO	Gage		Kelly Down		14.0 4273.0	_											Remark	S TION C	POWN	ISAVED	IIDDED	/I OWER	TDAVI	EL STORS	2 & I IMIT	S MCV	/S, DRILL
MC LC	oc oc	Resson Pulled Total Run (m/hr)	66.40	Weight of DC														LINE A	AND DR	RILL L	INE ANCI	HOR, IN	SPECT	TONGS	& LINES,	IRON RO	DUGHN	ECK, SLIPS, MANIFOLD
	S DRILLED		u,	Weight of String	ITION	68.0	REDUC	CED PUMP	SPEED									VALV	ES AND	LINE	S							
From 4263.00	To 4273.00	ORILL 70	WOB	Hole Drag		2 Down 2	Pump 2	# Pres		rokes/mi		BOILER	—		_			STRIN			ET CAUG							OWN DRILL ORKER
				Torque At Fill On		1400	00		@	@		BoilerN	8.	.00 .00	pH 10		340 340	SAFETY L.D.D.S			Safety Topic			80	MEHL	3073	MA	CP
	TOUR	2 si	GNATURE O	F DRILLER		OBR	EN		86			2	8.	.00	10		340	L.D.D.3						START	TIM≡ 8:0		END TIME	20:00
BITS			Di	RILLING A	SSEMBL	Y	MUD R	ECORD				DEVIATION	N SURVEYS					TIME LO	ng.									
	Bit Number	4	No	Comp	onent	OD ID Le	ngth		ype Water	oil ☑		Time	Depth	Deviatio	on D	Nirection	Туре	From	To Elaps						ons In Sequal			
	Size	159		159MI 8 STAGE	_	159 1 0 127 1 8			Other	孠					+				B:15 0.2		REPRESE	NTATIVE	S & RIG CI	REWS, RI	MEETING W	12-2, LAYI	NG DOWN	DRILL STRING
	IADC Code	REE		NON MAG FL	LEX MONEL	118 70 9	49 Density											15:00 1		0 6A	TRIP IN 11	STANDS	FROM DE	RRICK				SZWI
	Туре	SK413M-A	_ '	GAP SUE		128 1 1	66 Fluid Lo	riscosity ss										16:30 1	6:45 0.2	5 21	SAFETY N	IEETING	PRIOR TO	SLIP AN		ECK @ 45	/ IVI	
	Serial No	E2276	43 1	SLIDE RE	AMER	121 58 1	.43 Location	of Sample				SOLIDS CO	ONTROL					17:15 1	7:30 0.2	5 7	RIG SERV	ICE, FUN	CTION UP	PER PIPE				
	Jets	9.5 9.5 9.5 9.5		CROSSOV		130 60 0 135 80 a	.94 Depth PVT					Equipment Name	Hours Run	Intai Dens		Over Flow Density	Under Flow Density	17:30 1	1.5	0 6F	CALCULA	TED = 16	.86M3, ME	ASURED				I3, FUNCTION
De	epth Out (m)	4273.0	00 1	crossov	ER SUB	130 60 0	Circuit	ation									-				SAFETY N	IEETING		CTIONAL		CTA 2-1		
ı	Depth In (m)	2032.0	1	5" JAI		130 58 5	.20		ner Size SPM	Pressure	e Hrs Run							19:15 2	20:00 0.7	5 200	LAY DOW	N DIKEC	HONAL IC	JOLS				
	I Drilled (m)	2241.0	57	4.5" D	P	135 80 ,	2 2	SINGLE	127 1	1	0.00	MUD MATE	RIALS ADD	DED														
	ive Hrs Run	33.7	5 40	CROSSOV Drill Pipe	ER SUB	130 60 0.				-	+		Product			Amount	Туре											
CUTTIN	Entry Date	26-Dec-2	016 0		Sir	ngles 0.0		5			\vdash							H										
1	TI 1	Gage	159 NO	Kelly Down	-	14.0 4273.0									-			Remark	SION C	ROWN	SAVER	UPPER	/I OWER	TRAVI	EL STOPS	. & I IMIT	S MCV	/S, DRILL
MC LC	OC NO	Rasson Pulled	TD 66.40	Weight of DC														LINE A	AND DR	RILL L	INE ANCH	HOR, IN	SPECT	TONGS	& LINES,	IRON RO	DÚGHN	ECK, SLIPS, MANIFOLD
AISTERS.	S DRILLED			Weight of String	ITION	68.0	REDUC	CED PUMP											ES AND			.o, i oit	CHOIL	JIIOKL,	I LAILE O	TACK	in i Oix,	MANI OLD
From	То	D-R-C RPM	WOB	Hole Drag	Up	Down	Pump 2	# Pres		rokes/mi		BOILER	la Illano	na Desar	-11	C++	ackTemp	215557										
				Torque At Fill On			-		@	@		BoilerN 1	12	2.00 2.00	pH 10.5	j	340 340		DOWN DR	ILL STR	Safety Topic			80	MEHL	3073	MA	CP
	TOUR	3 sı	GNATURE O	F DRILLER	DAVE	LOEW	/EN								10.0		J.J								TIME 20:0		END TIME	24:00
BITS			Di	RILLING A	SSEMBL	.Υ	MUD R	ECORD				DEVIATION	N SURVEYS		Ŧ			TIME LO	OG .									
	Bit Number		No	Comp	onent	OD ID Le	ngth		ype Water	Oil 🗹		Time	Depth	Deviatio	on D	Nirection	Туре	From	To Elaps		CREW CH	ANGE H			ons In Sequal			S, HAZARD
	Size					++	Time		Other	\dashv											IDS AND C	DBSERVA	ATIONS WI					0,11121112
м	IADC Code lanufacturer		╨			\Box	Density	/iscosity			_							20:30 2	0:45 0.2	5 7A	CLEAN AN	ID ORGA	NIZE RIG I	FLOOR	CERT # DCE	-409		
	Туре					+	Fluid Lo																				EWED C1	A SECTION
	Serial No		$\dashv \Box$					of Sample				SOLIDS CO	ONTROL					21:30 2	24:00 2.5	0 12B	RUN 175 J	OINTS O	F 114.3mm	n, 20.09kg	/m, P-110, L	T&C CASI	NG.	
	Jets	++	$+\!\!\!+$			士	PVT			+		Equipment Name	Hours Run	Inta Dens		Over Flow Density	Under Flow Density	H		+								
De	epth Out (m)		\rightrightarrows			\Box	Circula	ation						F	-			H		+								
	Depth In (m)		\dashv			士	Pump#		ner Size SPM	Pressure	e Hrs Run			+	+					+								
	l Drilled (m) Run Today		\dashv			\Box		\Box			\Box	MUD MATE	ERIALS ADD		÷			H		+								
Cumulat	ive Hrs Run			Drill Pipe	St	ands	┪	\vdash	-	-	+		Product			Amount	Туре			+								
CUTTIN	Entry Date	TURE		Drill Pipe Kelly Down	Sir	ngles	Remark	L L			+				\pm			H		+								
1	ro	Gage		Total											F		\pm	Remark FUNC	TION C	ROWN	SAVER	UPPER	/LOWER	RTRAVI	EL STOPS	& LIMIT	S, MCV	/S, DRILL
LC RE		Rasson Pulled Total Run (m/hr)	=	Weight of DC			-								_F		$\pm \overline{}$	LINE A	AND DR	RILL L	INE ANCI	HOR, IN	SPECT	TONGS	& LINES,	IRON R	DUGHN	ECK, SLIPS, MANIFOLD
	S DRILLED	D.P.C COV.	WCB HO	OLE COND	ITION			CED PUMP										VALV	ES AND	LINE								
rrom	10	D-R-C RPM	WOB	Hole Drag	Up	Down	Pump	# Pres	@	rokes/mi @		BOILER BoilerN	lo I Harri	rsRun	pН	64	ackTemp	CLOS	E TO SI		ING ON T							
				Torque At Fill On	Bottom		+	+	@	@		1	4.	.00	10 10	31	340 340	RUNNIN			Safety Topic				MEHL		MA	CP

			FR	ONT	PAGE S	UMMAI	RY				Tour Sheet Ser	al Number 465_20161	230 1B	Vender S	ottware Version	016.6.14.3	37064	Year 20		nth 12		ILY CHE				RM			$\overline{}$
License No 32575	w	ell Name	I7 CEDTIM	1116 144	-34-81-18V	ie.					Surface Locatio	n	230_15	B	DV	Loc Type DLS	Unique \	Well Id 9-35-81-		12	(2.) Det (3.) H25	12S Signs Po	ection - Weekly (Usi asted if Required		PB	CT	(CAO	DC)
Operator			12 SEPTIM	103111	-34-01-10V	VO		Contracto				10 WO			g No	Well Type		9-35-61- RIZ	IOVVO	Re-l	(4.) Wei (5.) Flan	Vell Licence & Flare Lines St BOP Drills Per	& Stick Diagram Po taked informed		PB PB	CT			
Operator's AFE		.ta.						Contracto		ng, div of	PDC			46		ste Time		IKIZ			(7.) Visi (1.) Rig	Visually Inspe Rig Site Healt!	cted BOPs-Flare Li th & Safety Meeting	one/crew/month)	CT			
16DRL0084 Signature Of Opera	ator's Repr	esentative						36 Signature	Of Contractor's	Rig Manager					Rig Reis	21-Dec-	2016	.	23:3	0	(3.) Mas (4.) Cro	Mast Inspectio Crown Saver (Safety Inspection Ch on before Raising o Checked	acklist (one/rig/n Lowering	nonth)	СТ	- 1		
PAUL BOUT	TILLIE 1	R 2	3	4	5	6	7	CECIL 8	TROWBF	RIDGE 10	11	12	13	14	15	16	17	18	19	7	(5.) Mot	Aotor Kills Ch	necked 22 2			25		Celly Bushing	2305
	Rig Uo	Drill Actual	Reaming	Coring	Cond Muc & Circ	Trips	Rig Service	Repair Rig	Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	ı,	Dir Safe fork Meet	afety	Tear Wai	ing Rig	g O	ther	TOTAL	FUEL @	08:00 HRS
Tour					-		-					8.00						-		-							8.00	17198 Time	1584 Temp
Tour 2					7.75	5						3.75									0.	.50				-	12.00	05:45 Current Condi	-7
Tour 3														3.75							0.2	.25					4.00	Wind Direction	Wind Strength
TOTAL					7.75	5						11.75		3.75							0.	.75					24.00	Road Condition	
TOUR	1	SI	GNATURE OF	DRILLER	DAVE	LOEW	/EN																	Sī	ART TIME	0:0	00	END TIME	8:00
BITS			DR	ILLING	ASSEMBL	.Y	MUD F	ECORD				DEVIATION	SURVEYS					TIME L	.og										
Bit Num	nber		No	Co	imponent	OD ID Le	ingth	Mud 7		□ ⁰ⁱ ☑		Time	Depth	Deviati	ion Di	irection	Type	From	To Ela	psed Co	ode	175 IOI	De NTS OF 114.	ails Of Ope	rations I	n Sequa	ance & Rei	narks	OINTS OF
	Size		+				Time		Other	\perp								1			139.7m	mm, 29.		110 VA RC	UGHNE	ECK, 11	13 JOINT	OF 139.7	mm, 29.763kg/m
IADC C	ode						Density								-	_				#	F-1101	LIAC.	FLOW CHE	.K ⊚ 2300	JIVI. ELE	VATOR	CERT#	DCE-304	
Т	уре		\dashv				Fluid Lo	Viscosity Iss												#									
Serial	l No						pH Locatio	n Of Sample				001100.00	NITO OI							\pm									
	Jets						Depth					SOLIDS CO Equipment	Hours	Inta		ver Flow	Under Flow	\vdash	-	+									
Depth Out	(m)		4				_					Name	Run	Der	nsity (Density	Density	Н		-									
Depth Out			\dashv				Circul		ner Size SP	M 2	Hrs Run			F	\exists			H	1	\mp	-								
Total Drilled	(m)		\Box \vdash			++	Pump#	""	152 4			MUD MATE								#									
Hrs Run To			止				⇉∸	SINGLE		2 000	0.00	MUD MATE	Product	DED		Amount	Туре		_	+									
Cumulative Hrs I			$-\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$	Drill Pipe		tands	\perp											Н		\pm									
CUTTING STR		RE .		Drill Pipe Kelly Do	_	ngles	Remark	s							\perp					\pm									
то	\exists	ODC		Te	otal													Remar FUNC	ks CTION (CROV	VN SAVE	/ER UF	PPER/LOV	VER TR	AVEL S	STOP	S & LIN	IITS, MC	WS, DRILL
LOC	_	Total Run (m/hr)		Weight of Weight of Str			_																						IECK, SLIPS , MANIFOLD
METRES DRILL From To	ED	C DDM	110		NDITION			CED PUMI										VALV	ES AN	D LIN	IES								TONG HAND
Prom 10	D-K	-C KFM	WOB	Hole Drag	Up	Down	Pump	# Pre:	ssure \$	Strokes/mir		BOILER	- 11	- D	-11	Ct	-l-T	HAD	STOPE				. INFORM						
				Torque	At Bottom On Bottom		_		@	@		BoilerN 1	8.	sRun 00	pH 10	Sta	340			_	Safety Top	opic			М	IEHL		N	IACP
TOUR	2	Q1	CNATURE OF		ERIC	OBRI	IFN		66			2	8.	.00	10		340	KUNNIN	NG CASIN	J				81	ART TIME	8:0	00	END TIME	20:00
																		_							A	0.0		LIIO TIME	20.00
BITS Bit Num	abar		No.		ASSEMBL imponent	OD ID Le	MUD F	RECORD Mud 1	ype Water	Oil 🗹		DEVIATION Time	SURVEYS	Deviati	ion Di	irection	Type	From	To Ela	psed Co	ode		De	ails Of Ope	rations I	n Sequa	ance & Rei	narks	
	Size								Other									8:00	8:15 0	25 2			IGE HANDO			TING V	WITH RIG	MANAGE	R, ARC
IADC C	ode						Time Density			工											2 CONTI	TINUE R	UNNING CA	SING TO	SET DEF				
Manufacti	urer						Funnel	Viscosity										16:30	16:45 0	25 2	1 SAFET	TY MEE	TING WITH	CEMENTE	RS				
	уре						Fluid Lo	iss							-	_		16:45	20:00 3	25 1	1.65 To	Γonne 2.	.50m'‡ Scav	enger TAC	1600 @	1400	kg/m´‡, F	ump 31.33	kg/m´‡. Pump m3 Tonne, 31.33
Serial	Jets .	ТТ	┰┢╴				Locatio Depth	n Of Sample				SOLIDS CO						i					35%TDH-2, (C 1600, 0.2%						by 44.0 Tonne WR-4, @
		T	\top				PVT					Equipment Name	Hours Run	Inta Der	ake Onsity (iver Flow Density	Under Flow Density												lace with 5m'‡ (THR-100 & 35.5
Depth Out	(m)						Circul	ation										-			of inhib	ibited w	vater, 5L/m':	Tricorr 1	34, 2L/m	'‡ DF-:	2W, 40%	excess use	d for cementing
Depth In			_				Pump#	Type L	ner Size SF	M Pressure	Hrs Run							1			Floats	s held, I	Monitored fo						at 19:17hrs
Total Drilled Hrs Run To	` '—						1	SINGLE	152 5	0 0	0.00	MUD MATE	RIALS ADD	DED							Decem	mber 30	1/2016						
Cumulative Hrs I			\vdash	Drill Pipe	S	tands	-						Product		- 4	Amount	Туре	H											
Entry [Drill Pipe	Si	ngles	Remark	s																					
CUTTING STR	UCTU	Gage		Kelly Do			4											Remar	ks										
MDC	_	ODC Resson Pulled		Weight of														LINE	AND D	RILL	LINE AN	NCHO	R, INSPE	CT TON	GS & L	INES	, IRON	ROÚGHI	WS, DRILL IECK, SLIPS
BRG			-	Weight of Str	ring		BEDIL	CED PUMI	CDEED						-				ATORS			LARS,	FUNCTIO	N CHO	(E, FL	ARE S	STACK	IGNITOR	, MANIFOLD
From To	D-R	-C RPM	WUD	LE CON	NOITION	Down	Pump	_		Strokes/mi	n Depth	BOILER]			0								
				Torque	At Bottom	Down	\vdash		@	@		BoilerN	o Hour		pН		ckTemp	SAFETY	′										
					On Bottom				@	@		1 2		.00 .00	10.5 10.5		340 340	RUNNIN	NG CASIN	G	Safety Top	opic		56		IEHL	307		IACP
TOUR	3	SI	GNATURE OF	DRILLER	DAVE	LOEW	/EN																	ST	ART TIME	20:	00	END TIME	24:00
BITS			DR		ASSEMBL		MUD F	ECORD					SURVEYS					TIME L											
Bit Num	-		No	Co	imponent	OD ID Le	ingth	Mud 1	ype Water Other	Oil 🗹		Time	Depth	Deviati	ion Di	irection	Type	20:00		25 2	1 SAFET		TING HELD		NIPPL	ING DO	OWN BOR	S	
IADC C	Size	т г	+				Time		Oller	ᅮ								20:15	24:00 3	75 14	4B NIPPLE	LE DOW	/N BOPs. SE	T CASING	SLIPS	@ 70d	aN, Rig R	elease 12/3	80/16 @ 23:59
Manufacti							Density											\blacksquare		1									
т	уре					++	Fluid Lo	Viscosity		#									#	\mp									
Serial	l No		丰					n Of Sample		\perp		SOLIDS CO	NTROL							\pm									
	Jets	++	$+\!\!\!+\!\!\!\!-$			\prod	Depth PVT			\mp	=	Equipment Name	Hours	Inta		Iver Flow	Under Flow			\pm	\perp								
Depth Out	(m)		╨			++				_		Name	Run	Der	isity [Density	Density	H	7	Ŧ	1								
Depth Out			\dashv				Circul		nor 9'	M 2	u			F	\mp	\exists		H	+	\mp									
Total Drilled			\Box \vdash			++	Pump#	Type Li	ner Size SF	M Pressure	e Hrs Run			╧	╧					#									
Hrs Run To	day		⇉					\vdash	\dashv	+	+	MUD MATE	RIALS ADD	DED	, A	Amount	Туре			\pm									
Cumulative Hrs I			-	Drill Pipe		tands	1	\vdash	-		\vdash		Juol		F		.,,,,	Ы		£									
Entry E		RE		Drill Pipe Kelly Do		ngles	Remark	s			'				\pm					7									
TO	\dashv	Gage		Te			1											Remar HAZ /	ks ARD/OE	SER	VATION	N- WHE	EN 3rd PA	RTY WO	ORKER	R WEN	NT TO C	UT CAS	ING AFTER
MDC LOC	\exists	Resson Pulled Total Run (m/hr)		Weight of	DC		4								\blacksquare			SETT	ING SL	IPS I	HE WASI	SNT US	SING A FA	CE SHE	EILD W	/HEN	USING		
METRES DRIL			но	Meight of St	NDITION		REDU	CED PUMI							\perp			1 ~~~~	J_N. 0		110	- ININE P			. I AUL	. 0116			
From To	D-R	-C RPM	WOB	Hole Drag	Up	Down	Pump	# Pre:	ssure s	Strokes/mir	-	BOILER						_											
	+			Torque	_		\perp		@	@		BoilerN 1		.00	pH 10	Sta	340				Safety Top	opic			М	IEHL		N	IACP
-	_	$\overline{}$		Fill C	On Bottom			1	@	@			- 4	00	10		340	II NIPPI II	NG DOWN	BOPS									

			FR	ONT F	AGE S	UMMA	RY			T	our Sheet Seri	al Number 465_20161	231 1A	Vender So	tware Versio	n 2016.6.14.	37064	Year 2	016	nth 12	_{Дау}	DAILY CHECKS OP RM (1.) Daily Walk Around Inspection PB CT
32575	No i	Well Name ARCRES	HZ SEPTI	MUS 11-:	34-81-18W	V6				s 11	1-34-81-1	n		Prov	,	Loc Type DLS	Unique \	Well Id 9-35-81-				(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) HZS Signs Posted If Required (4) Weet Lisense Sistich Disperse Posted PB CT
Operator								Precis	ion Drilling,					Rig I	No	Well Type		RIZ			Entry	(6) But Lines Staked (6) BIOP Drift Performed (7) Youldy Inspected BOIP-Flare Lines & Degasser Lines
Operator 16DR	's AFE							Contractor 36	s Job No							21-Dec		ı	23:3	:0		(7.) Visually interpreted buffer as Linguister Lines & Linguister Lines (1.) Rig Site Health & Salety Merger (consisting final crewithorith) (2.) CADDC Rig Salety Inspection Checklist (consistingmonth)
Signatur	e Of Operator's	Representative						Signature	TROWBRID						Rig Ri	30-Dec	b	i	23:5			(3.) Mast Inspection before Raising or Lowering (4.) Crown Saver Checked (5.) Motor Kills Checked
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 Kathy Bushing Op Fuel 7009
	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 BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	y E	Dir Vork	Safety Tear Waiting Rig Other TOTAL Rig Boiler
Tou	r1																			1		8.00 8.00 10638 2191 105:00 -7
S Tou	r 2		-					-				-							+	+		0.50 11.50 12.00
HOURS						1	1									1			+-	+		0.75 23.25 24.00 Read Condition
	TOUR	1	SIGNATURE O		DAVE	LOEV	VEN															STARTTIME 0:00 ENDTIME 8:00
		' '																				START TIME 0.00
BITS	Bit Number		No.		ASSEMBI ponent	OD ID L	MUD F	RECORD Mud T	ype Water	Oil 🔽		DEVIATION Time	SURVEYS Depth	Deviatio	n [Direction	Туре	From	To El	spsed Co	ode	Details Of Operations In Sequance & Remarks
	Size								Other									0:00	8:00 8	.00 2		TEAR OUT BACK END OF RIG, SUBSTRUCTURE, STANDPIPE, CLEAN MUD TANKS, RIG OUT FLOOR
	IADC Code		Щ⊢				Time Density													-	4	
, n	Manufacturer Type							Viscosity							-					-	4	
	Type Serial No		_				pН	n Of Sample												+	4	
	Jets						Depth	ii oi oumpie				SOLIDS CO Equipment	NTROL	Intak	ce (Over Flow	Under Flow				4	
						\dashv	- <u>E</u>					Name	Run	Dens	iity	Density	Density				4	
	epth Out (m) Depth In (m)						Circul								-					1		
Tota	al Drilled (m)						Pump#	Type Li	ner Size SPM	Pressure	Hrs Run										1	
	s Run Today		<u> </u>									MUD MATE	RIALS ADD Product	DED		Amount	Type			#		
Cumula	Entry Date			Drill Pipe Drill Pipe		tands ngles	_															
CUTTI	NG STRUC	TURE		Kelly Dow	m	9.00	Remark	S												1	1	
м	TO DC	ODC Ressor Pulled		Tot Weight of D	al		_											Rema	rks			
L B	oc RG	Total Run (m/hr)		Weight of Strin	10													1				
M=1R= From	S DRILLED To	D-R-C RPM	1 WOB	DLE CON	DITION		REDU Pump	# Pres		okes/min	n Depth							1				
				Hole Drag Torque A	ut Bottom	Down	┲		@	@		BOILER BoilerN	o Hour		pН		ackTemp	SAFET	Υ			
				Fill Or	n Bottom				@	@		1 2	8. 8.	.00	10 10		340 340	COMM	UNICATIO	N	Sa	afety Topic MEHL MACP
	TOUR	2	SIGNATURE O	F DRILLER	ERIC	OBR	IEN															START TIME 8:00 END TIME 20:00
BITS	6		DF	RILLING	ASSEMBL	_	MUD F	RECORD					SURVEYS					TIME				
	Bit Number		No	Com	ponent	OD ID L	ength	Mud T	ype Water Other	Oil 🗹		Time	Depth	Deviatio	n (Direction	Type		To Eli			Details Of Operations In Sequance & Remarks CREW CHANGE HANDOVER SAFETY MEETING WITH RIG MANAGER, ARC
	Size		\dashv				Time			一												REPRESENTATIVES & RIG CREWS
N	fanufacturer					-H	Density Funnel	Viscosity		-								8:15	13:00 4	.75 2		RIG OUT TOP DRIVE CORDS AND HOSES, ATTACH BELLY PAN, RUN BLOCKS UP AND HANG, PREP DERRICK TO LAY DOWN
	Туре						Fluid Lo	oss														SAFETY MEETING PRIOR TO LAYING DOWN DERRICK, REVIEW CTA 7.7A LAY OVER DERRICK, RIG OUT LINES AND TIE IN DERRICK
	Serial No Jets					-H	Locatio Depth	n Of Sample				SOLIDS CO	NTROL		=			18:00	20:00 2	.00 2	22 F	RIG OUT TRANSFER TANK, SUB AND CATWALK
	Jets		$\dashv \vdash$			\Box	PVT					Equipment Name	Hours Run	Intak Dens		Over Flow Density	Under Flow Density				4	
D	epth Out (m)		⊒⊨				Circul	ation							-						4	
	Depth In (m)		<u> </u>				Pump#	Type Li	ner Size SPM	Pressure	Hrs Run				-						4	
	s Run Today		\dashv				_				Ш	MUD MATE	RIALS ADD	ED								
Cumula	tive Hrs Run			Drill Pipe	Si	tands	┱┝		_		\vdash		Product			Amount	Туре				1	
CUTTI	Entry Date	TURE		Drill Pipe Kelly Dow	Si	ngles	Remark	s			-				+						1	
	то	Gage		Tot	al										+			Rema	rks			
L	oc oc	Rasson Pulled Total Run (m/hr)		Weight of D	_										-			1				
METRE	S DRILLED		172	Weight of Strin				CED PUMF										1				
From	10	D-R-C RPM	MOR	Hole Drag	Up	Down	Pump	# Pres	@	okes/min @		BOILER	o Hour	eD		l le	ackTemp	QAP-	v			
				Torque A Fill Or	_				@	@		BoilerN 1	12	.00	pH 10		340 340		NG OUT		Sa	afety Topic MEHL MACP
	TOUR	3	SIGNATURE O	F DRILLER	DAVE	LOEV	VEN	•							- 10		J-10					START TIME 20:00 END TIME 24:00
BITS	5		DI	RILLING	ASSEMBL	Υ	MUD F	RECORD				DEVIATION	SURVEYS					TIME	LOG			
	Bit Number		No		ponent	OD ID L	ength		ype Water	Oil 🗹		Time	Depth	Deviatio	n [Direction	Туре	From	To El			Details Of Operations In Sequance & Remarks CREW CHANGE HANDOVER SAFETY MEETING WITH RIG MANAGER, ARC
	Size		\dashv			\dashv	T1.		Other	卫					\pm						F	REPRESENTATIVES & RIG CREWS
	IADC Code	$\sqcup \sqcup$	<u> </u>			口	Time Density								1			20:15	24:00 3	./3 2	22 F	RIG OUT HOSES ON SUIT CASES.
	Type		\dashv			\dashv	Fluid Lo	Viscosity							士					\pm	1	
	Serial No		二 上					n Of Sample				SOLIDS CO	NTROL							1	1	
	Jets	$\vdash \vdash \vdash$	$+\!\!\!+\!\!\!\!+$			\dashv	Depth PVT					Equipment Name	Hours Run	Intak Dens		Over Flow Density	Under Flow Density			_	1	
D	epth Out (m)	\vdash \vdash \vdash	一上				_	otion						2015		,					\pm	
	Depth In (m)					$+$ \Box	Circul Pump#		ner Size SPM	Pressure	Hrs Run				\pm					\pm	╛	
	al Drilled (m)		<u> </u>									MUD_MATE	RIALS ADD	DED						\perp	1	
	s Run Today tive Hrs Run		$ \vdash$	Drill Pipe		tands	_						Product			Amount	Туре			\equiv F	_}	
	Entry Date			Drill Pipe		ngles	Remark	s			Щ				#			E			1	
CUTTI	NG STRUC	Gage		Kelly Dow	en al		-								\pm			Rema	rks			
	TO DC	ODC Reason Pulled Total Run (m/hr)		Tot Weight of D	_										\pm			1				
В				Weight of Strin	19		REDU	CED PUMF	SPEED						\pm			1				
		D-R-C RPM	I WOB	Hole Drag	Up Up	Down	Pump		sure Stro		Depth	BOILER						l				
	Ħ		\exists	Torque A	_		\perp		@	@			o Hour	sRun .00	рН 10	St	ackTemp 340	SAFET	Υ		Sa	afety Topic MEHL MACP
-	_	-		Fill On	O-Hom		- 1		@	a	_ 1			00	10		340				_	

			FF	RON	IT PAGE S	UMMA	RY			T	our Sheet Serie	Number 465_20170	1101 1C	Vender So	rtware Versio	016.6.14.	37064	Year 2		onth O1		DAILY CHECKS	OP RM		
32575	No 5	Well Name ARCRES	HZ SEPTI	MUS	I11-34-81-18W	16				s 1	urface Location	1		BC	,	Loc Type DLS	Unique V	Well Id 9-35-81-			0	Daily Walk Around Inspection Detailed Inspection - Weekly (Using Chec) H2S Signs Posted if Required Well Licence & Stick Diagram Posted	List)	(CAODC	•)
Operator								Precis	ion Drilling,					Rig 465	No	Well Type		RIZ			Entry ((5.) Flare Lines Staked (6.) BOP Drills Performed (7.) Visually Inspected BOPs-Flare Lines & Dr			
Operator 16DR	's AFE							Contractor 36	s Job No							21-Dec		ı	23:3	0	-	Nig Site Health & Safety Meeting (one/cre C) CAODC Rig Safety Inspection Checklist (w/month) CT		7
Signatur	e Of Operator's	Representative						Signature	TROWBRID						Rig Re	30-Dec	b	i	23:5			(3.) Mast Inspection before Raising or Lowerin (4.) Crown Saver Checked (5.) Motor Kills Checked	•		
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 2738	
	Rig Up	Drill Actual	Reaming	Co	oring Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drilg Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	ı "I	Dir Vork	Safety Tear Waiting Meeting Down On	Rig Other Watch	FUEL @ 08:00	
Tou	ır 1						-									-				_		0.25 7.75		8.00 7900 2200 Yime 74mp 05:45 -12	
S Tou	ır 2	-	+	-		-	-									-			+	+	_	12.00		12.00 Current Conditions	Transit .
HOURS			+			 	 												+	+	+	0.25 19.75 4.00		4.00 Wind Direction Wind Sta 24.00 Road Condition	
	TOUR	1	21011471125.0	C DOW	LER DAVE	LOEW	/EN													+		0.20 10.70 4.00	START TIME 0:0		1
		_																					START TIME U.C	O.OO	
BITS	Bit Number		D)	RILLI	NG ASSEMBL Component	OD ID Le	_	RECORD Mud T	ype Water	Oil 🔯		DEVIATION Time	SURVEYS Depth	Deviatio	on E	Direction	Туре	From	To Els	psed Co	ode	Details 0	f Operations In Sequa	nce & Remarks	
	Size					\Box			Other	ä	ŀ											ONTINUE TO RIG OUT SUIT REW CHANGE SAFETY MEE		UDTANKS AND LOWER RO	OFS
	IADC Code			+		+	Time Density				=							F							
, n	Manufacturer					\Box		Viscosity												-					
	Type Serial No		-			+	pН	n Of Sample												+	+				
	Jets						Depth	r or oumpic				SOLIDS CO Equipment	DNTROL	Intal	ke (Over Flow	Under Flow								
		Ш	\dashv	+		++	-					Name	Run	Dens	sity	Density	Density								
	epth Out (m) Depth In (m)						Circul													1	+				
Tota	al Drilled (m)			+		+	Pump #	Type Li	ner Size SPM	Pressure	Hrs Run														
	s Run Today		<u> </u>									MUD MATE	Product	ED		Amount	Туре								
Cumula	tive Hrs Run Entry Date		-	Drill F		ands Igles	-								-			E							
CUTTI	NG STRUC	TURE		_	elly Down	•	Remark	S							-				Ш						
м	TO	ODC Rasson Pulled		Wein	Total ght of DC		-											Rema	rks						
L B	OC RG	Total Run (m/hr)		Weight														1							
M=1R= From	To	D-R-C RPM	M WOB		CONDITION		Pump	# Pres		kes/min	Depth							1							
			± 1	Hole E	Drag Up	Down			@	@	\blacksquare		lo Hour		pН	St	ackTemp	SAFET	Υ					_	
					Fill On Bottom				@	@		1 2	0. 8.	00 00	1 10		0 340				Safet	ty Topic	MEHL	MACP	
	TOUR	2	SIGNATURE O	F DRIL	LER ERIC	OBR	EN																STARTITIME 8:0	0 END TIME 20:00	0
BITS	5		D	RILLI	ING ASSEMBL	_	MUD F	ECORD					SURVEYS					TIME							
	Bit Number		No	0	Component	OD ID Le	ngth	Mud T	ype Water Other	Oil 🗹		Time	Depth	Deviatio	on E	Direction	Type		To Els 20:00 12		22 RIG	G OUT COMPLEX, SHUT DO		nce & Remarks R AND FINISH RIGGING OUT	IT SUIT
	Size	Н					Time			ᅮ											CA	ASES, RIG OUT ALL POWE	CORDS		
N	Manufacturer			+		++	Density Funnel	Viscosity										H		+	+				
	Туре			t			Fluid Lo	ISS		-								\vdash		-	-				
	Serial No Jets	Ьп	\dashv	\perp		+	Location Depth	n Of Sample				SOLIDS CO	ONTROL							+	-				
	3013			t			PVT					Equipment Name	Hours Run	Intal Dens		Over Flow Density	Under Flow Density			1	-				
D	epth Out (m)			\vdash		\blacksquare	Circul	ation																	
	Depth In (m)		<u> </u>	t			Pump #	Type Li	ner Size SPM	Pressure	Hrs Run				_										
	s Run Today		_	+		+	_	\vdash			III)	MUD MATE	RIALS ADD	ED											
Cumula	tive Hrs Run			Drill F	Pipe Str	ands	_	\vdash			+		Product			Amount	Туре								
CUTTI	Entry Date	TURE		Drill F	Pipe Sin	ngles	Remark	s			+-														
	то	Gage		146	Total													Rema	rks						
L	OC .	Rasson Pulled Total Run (m/hr)			ght of DC		4								-			1							
METRE	S DRILLED	1	н	Weight	CONDITION			CED PUMP										1							
From	10	D-R-C RPM	" MOR	Hole [Drag Up	Down	Pump	# Pres	@	kes/min @		BOILER	lo Hour	eD	11	Jo.	ackTo	QAP-	v -						
			\blacksquare		orque At Bottom Fill On Bottom				0	@		BollerN	Hour	anun	pН) St	ackTemp	CANE			Safet	ty Topic	MEHL	MACP	
	TOUR	3	SIGNATURE O	F DRIL	UER CECIL T	ROWBRI	DGE	•															START TIME 20:	00 ENDITIME 24:00	0
BITS	5				ING ASSEMBL			ECORD				DEVIATION	SURVEYS					TIME	LOG						
	Bit Number		No	0		OD ID Le	ngth		ype Water	Oil 🗹		Time	Depth	Deviatio	on E	Direction	Type	From	To Els				f Operations In Sequa	nce & Remarks - TRUCKING, WELL ENDED	.IAN
	Size	L.,	_	+		+	Time		Other	ᆛ								20.00	24.00	.00 2		, 2017 @ 23:59	WITH NORTHWELD	TROCKING, WELL ENDED	JAN
١.	IADC Code	Ш					Density																		
	Туре			+		+	Fluid Lo	Viscosity ess												#	#				
	Serial No	Ĺ,,,		L		$\perp \! \! \perp$		n Of Sample				SOLIDS CO	ONTROL							\pm	\pm				
	Jets	HH	$+\!\!+\!\!\!+$	+		+	Depth					Equipment Name	Hours Run	Intal Dens	ke C	Over Flow Density	Under Flow Density			\pm	\pm				
D	epth Out (m)	Н				\pm	Circul	ation												\pm					
	Depth In (m)			\perp		+	Pump #		ner Size SPM	Pressure	Hrs Run									\pm	\pm				
	al Drilled (m)		<u>—</u> [t								MUD MATE	ERIALS ADD)ED											
	s Run Today tive Hrs Run		\dashv	Drill F	Pipe 9+	ands	1						Product			Amount	Туре			\pm	\pm				
	Entry Date			Drill P		igles	Remark	s			Щ				+					\exists	E				
CUTTII	NG STRUC	Gage ODC		Kel	elly Down Total												1	Rema	rks						
	10 10C	Rasson Pulled Total Run (m/m)		Weig	ght of DC										\pm			1							
В	RG S DRILLED			Weight			REDU	CED PUMP	SPEED						\pm			1							
From	То	D-R-C RPM	M WOB	Hole E	CONDITION Drag Up	Down	Pump		sure Stro		Depth	BOILER						l							
	\Box		+		orque At Bottom				@	@		BoilerN	lo Hour	sRun	pН	St	ackTemp	SAFET	Y		Safet	ity Topic	MEHL	MACP	
	-				Fill On Bottom				@	a a															