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# FRONT PAGE SUMMARY

License No <b>33114</b>		Well Name <b>ARCRES HZ DAWSONCREEK F09-21-079-14</b>		Tour Sheet Serial Number <b>PREC542 20170308 1B</b>		Vendor Software Version <b>RMS 2016.8.30.38074</b>		Year <b>2017</b>		Month <b>03</b>		Day <b>08</b>		DAILY CHECKS (1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) H2S Signs Posted If Required (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Performed (7) Visually Inspected BOPs/Flare Lines & Degasser Lines (1) Rig Site Health & Safety Meeting (one/crew/month) (2) CAODC Rig Safety Inspection Checklist (one/rig/month) (3) Mast Inspection before Raising or Lowering (4) Crown Saver Checked (5) Motor Kills Checked	
Operator <b>ARC Resources Ltd.</b>				Contractor <b>Precision Drilling, div of PDC</b>				Piv <b>BC</b>		Loc Type <b>DLS</b>		Unique Well ID <b>542</b>		Re-Entry <input type="checkbox"/>	
Operator's AFE <b>17DRLO057</b>				Contractor's Job No <b>57</b>				Rig No <b>542</b>		Well Type <b>HORIZ</b>		Soud Date Time 		Rig Release Date Time 	
Signature Of Operator's Representative <b>Terry Bobocel</b>				Signature Of Contractor's Rig Manager <b>Travis Turko</b>											

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	TOTAL	HEAVY LIFTING	OP FUEL	WEATHER
Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drilling Line	Dev Survey	Wireline Logs	Run Ctg & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Rig Work	Safety Meeting	Year Down	Waiting On	Rig Watch	Other					
Tour 1																													
Tour 2	11.50																			0.50			8.00						
Tour 3	3.75																			0.25									
TOTAL	15.25																			0.75			8.00			24.00			

TOUR <b>1</b>		SIGNATURE OF DRILLER <b>Travis Turko</b>		START TIME <b>0:00</b>		END TIME <b>8:00</b>	
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BITS		DRILLING ASSEMBLY				MUD RECORD				DEVIATION SURVEYS				TIME LOG						
Bit Number		No	Component	OD	ID	Length	Mud Type	Water	<input checked="" type="checkbox"/> Oil <input type="checkbox"/> Other	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details Of Operations In Sequence & Remarks	
Size															0:00	8:00	8.00	23B	W/O DAYLIGHT	
IADC Code																				
Manufacturer																				
Type																				
Serial No																				
Jets																				
Depth Out (m)																				
Depth In (m)																				
Total Drilled (m)																				
Hrs Run Today																				
Cumulative Hrs Run																				
Entry Date																				
CUTTING STRUCTURE		Kelly Down				Remarks														
TO		Gaps																		
MDC		ODG																		
LOC		Reason Picked																		
BRG		Total Run (m)																		

FRONT PAGE SUMMARY										Tour Sheet Serial Number		Vendor Software Version		Year		Month		Day		DAILY CHECKS										OP RM		
PREC542 20170309 1A										RMS 2016.8.30.38074		2017		03		09		(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) HOS Signs Posted if Required (4) Well Licence & Stick Diagram Posted (5) Flare Lines Staked (6) HOS Signs Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines (8) Rig Site Health & Safety Meeting (once/monthly) (9) CADC Rig Safety Inspection Checklist (weekly/monthly) (10) Mast Inspection before Raising or Lowering (11) Crown Saver Checked (12) Motor Vibs Checked										SK TT SK TT SK TT TT TT				
33114 ARCREZ HZ DAWSON F9-21-79-14										Surface Location		Prov		Lic Type		Unique Well Id		102/11-29-079-14W6/00														
ARC Resources Ltd.										Contractor		542		DLS		Horiz																
17DR0057										Signature of Contractor's Rig Manager		57		Rig No		Rig Name		09-Mar-2017 21:00														
Sheldon Kashuba										Travis Turko																						
Code																									FUEL @ 08:00 HRS							
																									32500							
																									5000							
																									05:15							
																									-29							
																									CLEAR							
																									W							
																									UP TO 15 KMH							
																									FAIR							
TOUR 1 SIGNATURE OF DRILLER Brody Olesen																									START TIME 0:00		END TIME 8:00					
BITS																									DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG	
Details of Operations in Sequence & Remarks																																
0:00 2:00 2:00 1 SPOT CATWALK RIG IN PREFABS																																
2:00 7:45 5:75 1B RIG UP TOP DRIVE REMOVE GRADEL, UNTIE SERVICE LOOPS CHANGE LUBE																																
7:45 8:00 0:25 21 PUMP FILTER ON TOP DRIVE - FILL WITH OIL, CALIBRATE BLOCKS AND TDCWS																																
CREW CHANGE SAFETY MEETING																																
Remarks																																
SAFETY																																
Safety Topic MEHL MACP																																
RIG UP TOP DRIVE																																
TOUR 2 SIGNATURE OF DRILLER Brad Campbell																									START TIME 8:00		END TIME 20:00					
BITS																									DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG	
Details of Operations in Sequence & Remarks																																
8:00 8:15 0:25 21B SAFETY MEETING-REVIEW CTA																																
8:15 10:00 1:75 1 INSTALL DOGLEG, TONGS, FLOWLINE SWEDGE, PREPARE TANKS FOR DRILL																																
10:00 16:15 6:25 1 OUT																																
16:15 16:30 0:25 21 CUT OFF CONDUCTORS W/ WELDER, CIRCULATE SUITCASES PREPARE MUD																																
TANKS																																
16:30 18:45 2:25 20D SAFETY MEETING WITH DIRECTIONAL																																
18:45 19:00 0:25 21 PICK UP DIRECTIONAL TOOLS																																
19:00 20:00 1:00 1 CREW CHANGE SAFETY MEETING																																
PREPARE RIG FOR SPUD																																
Remarks																																
VIS INSPECT ALL SLINGS AND RIGGING PRIOR TO USE																																
FUNCTIONED CROWNSAVER AND TDCWS																																
SAFETY																																
Safety Topic MEHL MACP																																
TUGGER USE																																
TOUR 3 SIGNATURE OF DRILLER Brody Olesen																									START TIME 20:00		END TIME 24:00					
BITS																									DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG	
Details of Operations in Sequence & Remarks																																
20:00 20:45 0:75 1 FINISH RIGGING UP AND PREPARE TO SPUD TROUBLE SHOOT RIG SENSE																																
20:45 21:00 0:25 21 SAFETY MEETING PERFORM HAZARD HUNT WITH CREW																																
21:00 21:45 0:75 2 DRILL 251MM HOLE FROM 6M - 125M																																
21:45 23:45 2:00 20A DIRECTIONAL SURVEYS / CONNECTION TIME																																
23:45 24:00 0:25 7 RIG SERVICE																																
Remarks																																
FCN CROWN SAVER, TDCWS, H/L TRAVEL STOPS AND LIMITS																																
V.I. TONGS AND LINES SLIPS AND DIES DOG COLLAR DRILL LINE AND ANCHOR																																
IRON ROUGHNECK AND ALL OVERHEAD EQUIPMENT																																
SAFETY																																
Safety Topic MEHL MACP																																
CONNECTIONS WITH DRILL COLLARS																																









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<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">BITS</th> <th colspan="4">DRILLING ASSEMBLY</th> <th colspan="4">MUD RECORD</th> <th colspan="4">DEVIATION SURVEYS</th> <th colspan="4">TIME LOG</th> </tr> <tr> <th>Bit Number</th> <th>Size</th> <th>No</th> <th>Component</th> <th>OD</th> <th>ID</th> <th>Length</th> <th>Mud Type</th> <th>Water</th> <th>Oil</th> <th>Time</th> <th>Depth</th> <th>Deviation</th> <th>Direction</th> <th>Type</th> <th>From</th> <th>To</th> <th>Elapsed</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>159MM BIT</td> <td>159</td> <td>1</td> <td>0.20</td> <td>1.863</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="19">           IADC Code M 4 3 3            Manufacturer HALLIBURTON            Type MMD64            Serial No 12868526            Jts 9.5 9.5 7.1 7.1            Depth Out (m) 674.00            Depth In (m) 458.00            Total Drilled (m) 216.00            Hrs Run Today 2.00            Cumulative Hrs Run 2.00            Entry Date 11-Apr-2017         </td> </tr> <tr> <td colspan="19">           CUTTING STRUCTURE            TO MDC            LDC            BDC            Weight of DC            Weight of String            HOLE CONDITION            Hole Drag Up Down            Torque At Bottom            Fill On Bottom         </td> </tr> <tr> <td colspan="19">           REDUCED PUMP SPEED            Pump # Pressure Strokes/min Depth            2 2900 @ 55 @ 486.00            2 3500 @ 55 @ 602.00            2 3600 @ 55 @ 660.00         </td> </tr> <tr> <td colspan="19">           SOLIDS CONTROL            Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density            ALKALIME 1 SX            NDFT 325 1 PAIL            NEW FLOC 1 SX            DYNAFIBER 5 SX            CAL CARB 325 5 SX         </td> </tr> <tr> <td colspan="19">           MUD MATERIALS ADDED            Product Amount Type            REDUCTION 2 SX            ALKALIME 1 SX            NDFT 325 1 PAIL            NEW FLOC 1 SX            DYNAFIBER 5 SX            CAL CARB 325 5 SX         </td> </tr> <tr> <td colspan="19">           SAFETY            Safety Topic MEHL MACP         </td> </tr> </tbody> </table>																									BITS		DRILLING ASSEMBLY				MUD RECORD				DEVIATION SURVEYS				TIME LOG				Bit Number	Size	No	Component	OD	ID	Length	Mud Type	Water	Oil	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	2	159MM BIT	159	1	0.20	1.863														IADC Code M 4 3 3 Manufacturer HALLIBURTON Type MMD64 Serial No 12868526 Jts 9.5 9.5 7.1 7.1 Depth Out (m) 674.00 Depth In (m) 458.00 Total Drilled (m) 216.00 Hrs Run Today 2.00 Cumulative Hrs Run 2.00 Entry Date 11-Apr-2017																			CUTTING STRUCTURE TO MDC LDC BDC Weight of DC Weight of String HOLE CONDITION Hole Drag Up Down Torque At Bottom Fill On Bottom																			REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 2 2900 @ 55 @ 486.00 2 3500 @ 55 @ 602.00 2 3600 @ 55 @ 660.00																			SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density ALKALIME 1 SX NDFT 325 1 PAIL NEW FLOC 1 SX DYNAFIBER 5 SX CAL CARB 325 5 SX																			MUD MATERIALS ADDED Product Amount Type REDUCTION 2 SX ALKALIME 1 SX NDFT 325 1 PAIL NEW FLOC 1 SX DYNAFIBER 5 SX CAL CARB 325 5 SX																			SAFETY Safety Topic MEHL MACP																			TOUR 4 SIGNATURE OF DRILLER Brody Olesen		START TIME 24:00		END TIME 00:00	
BITS		DRILLING ASSEMBLY				MUD RECORD				DEVIATION SURVEYS				TIME LOG																																																																																																																																																																																										
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FRONT PAGE SUMMARY										Tour Sheet Serial Number		Vendor Software Version		Year		Month		Day		DAILY CHECKS										OP RM																													
<b>33114</b> <b>ARCRES HZ DAWSON F9-21-79-14</b>										<b>PREC542 20170412 1C</b>		<b>RMS 2016.8.30.38074</b>		<b>2017</b>		<b>04</b>		<b>12</b>		<div style="display: flex; justify-content: space-between;"> <div> (1) Daily Walk Around Inspection  (2) Detailed Inspection - Weekly (Using Check List)  (3) H2S Signs Posted if Required  (4) Well License &amp; Stick Diagram Posted  (5) Flare Lines Staked  (6) BOP Tests Performed  (7) Visually Inspected BOPs Flare Lines &amp; Degasser Lines </div> <div> TS WS TS WS TS WS TS WS TS WS TS WS TS WS </div> </div>										<div style="display: flex; align-items: center;"> </div>																													
<b>ARC Resources Ltd.</b> <b>17DR10057</b> Signature of Operator's Representative <b>Sheldon Kashuba</b>										<b>Precision Drilling, div of PDC</b> <b>65</b> Signature of Contractor's Rig Manager <b>Wade Dux</b>										<b>BC</b>		<b>DLS</b>		<b>102/11-29-079-14W6/00</b>		<b>542</b>		<b>HORIZ</b>		<b>Re Entry</b>		<b>11-Apr-2017</b>		<b>13:45</b>		<b>15</b>																							
<b>Code</b>										<b>1</b>		<b>2</b>		<b>3</b>		<b>4</b>		<b>5</b>		<b>6</b>		<b>7</b>		<b>8</b>		<b>9</b>		<b>10</b>		<b>11</b>		<b>12</b>		<b>13</b>		<b>14</b>		<b>15</b>		<b>16</b>		<b>17</b>		<b>18</b>		<b>19</b>		<b>20</b>		<b>21</b>		<b>22</b>		<b>23</b>		<b>24</b>		<b>25</b>	
<b>Rig Up</b>										<b>Drill Actual</b>		<b>Reaming</b>		<b>Coring</b>		<b>Core Mud &amp; Circ</b>		<b>Trips</b>		<b>Rig Service</b>		<b>Repair Rig</b>		<b>Cut Off Drill Line</b>		<b>Dev Survey</b>		<b>Wireline Logs</b>		<b>Run Cag &amp; Cement</b>		<b>Wait On Cement</b>		<b>Nipple BOP</b>		<b>Test BOP</b>		<b>Drillstem Test</b>		<b>Plug Back</b>		<b>Squeeze Cement</b>		<b>Fishing</b>		<b>Dr Work</b>		<b>Safety Meeting</b>		<b>Tear Down</b>		<b>Waiting On</b>		<b>Rig Watch</b>		<b>Other</b>			
<b>Tour 1</b>										<b>5.50</b>								<b>0.25</b>																																									
<b>Tour 2</b>										<b>8.50</b>								<b>0.25</b>																																									
<b>Tour 3</b>										<b>2.75</b>								<b>0.25</b>																																									
<b>TOTAL</b>										<b>16.75</b>								<b>0.75</b>																																									
<b>START TIME</b>										<b>0:00</b>																																																	
<b>END TIME</b>										<b>8:00</b>																																																	

<b>TOUR 1</b>										<b>SIGNATURE OF DRILLER</b>										<b>Brody Olesen</b>										<b>START TIME</b>										<b>0:00</b>										<b>END TIME</b>										<b>8:00</b>									
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BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG																													
<b>Bit Number</b> 2 <b>Size</b> 159 <b>IADC Code</b> M 4 3 3 <b>Manufacturer</b> HALLIBURTON <b>Type</b> MMD64 <b>Serial No</b> 12868526 <b>Jts</b> 9.5 9.5 7.1 7.1 <b>Depth Out (m)</b> 1257.00 <b>Depth In (m)</b> 458.00 <b>Total Drilled (m)</b> 799.00 <b>Hrs Run Today</b> 5.50 <b>Cumulative Hrs Run</b> 7.50 <b>Entry Date</b> 11-Apr-2017										<b>No</b> <b>Component</b> <b>OD</b> <b>ID</b> <b>Length</b> <b>1 159MM BIT</b> 159 1 0.20 <b>1 4.75" SLIDE REAMER</b> 156 57 1.28 <b>1 4.75" NON MAG PONY</b> 120 69 1.94 <b>1 4.75" NON MAG FLEX MONEL</b> 120 69 9.26 <b>1 5" GAP SUB</b> 118 69 1.66 <b>1 4.75" UBHO SUB</b> 117 68 0.81 <b>1 4.75" NON MAG FLEX MONEL</b> 120 69 27.72 <b>1 X/O SUB</b> 130 62 0.80 <b>1 5.8" HYDMECH JARS</b> 133 57 5.19 <b>1 X/O SUB</b> 130 62 0.80 <b>40 4.5 HWDP</b> 114 73 29.32										<b>Mud Type</b> Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> <b>Time</b> 00:30 04:30 <b>Density</b> 1120 1130 <b>Funnel Viscosity</b> 29 29 <b>Fluid Loss</b> <b>pH</b> 10.5 10.5 <b>Location Of Sample</b> TROUGH TROUGH <b>Depth</b> 719.00 1038.00 <b>PVT</b> 42 46 <b>Circulation</b> <b>Pump #</b> <b>Type</b> <b>Liner Size</b> <b>SPM</b> <b>Pressure</b> <b>Hrs Run</b> <b>2 SINGLE 127 115 13500 8.00</b>										<b>Time</b> <b>Depth</b> <b>Deviation</b> <b>Direction</b> <b>Type</b> <b>00:15 672.96 3.40 315.1</b> DIRECTIONAL <b>00:30 701.79 1.10 305.4</b> DIRECTIONAL <b>00:45 730.56 0.70 322.9</b> DIRECTIONAL <b>01:15 759.18 0.30 316.3</b> DIRECTIONAL <b>01:30 787.86 0.70 293.4</b> DIRECTIONAL <b>01:45 816.40 0.50 320.9</b> DIRECTIONAL <b>SOLIDS CONTROL</b> <b>Equipment Name</b> <b>Hours Run</b> <b>Intake Density</b> <b>Over Flow Density</b> <b>Under Flow Density</b> <b>Centrifuge #1</b> 8.00 1120 1100 1760 <b>Centrifuge #2</b> 8.00 1120 1100 1760 <b>MUD MATERIALS ADDED</b> <b>Product</b> <b>Amount</b> <b>Type</b> <b>REDUCTION</b> 3 SX <b>NDFT 325</b> 2 PAIL <b>ALKALIME</b> 2 SX <b>BIOCIDE 352</b> 1 PAIL <b>DSCO DEFOMER</b> 1 PAIL										<b>From</b> <b>To</b> <b>Elapsed</b> <b>Code</b> <b>Details Of Operations In Sequence &amp; Remarks</b> <b>0:00 5:30 5:50 2</b> DRILL 159MM HOLE FROM 674M - 1257M <b>5:30 7:30 2:00 20A</b> DIRECTIONAL SURVEYS / CONNECTION TIME <b>7:30 7:45 0:25 7</b> RIG SERVICE FCN ANNUAL 25 SEC. C/O <b>7:45 8:00 0:25 21</b> CREW CHANGE SAFETY MEETING																													
<b>CUTTING STRUCTURE</b> <b>TO</b> <b>COG</b> <b>MO</b> <b>COG</b> <b>LOC</b> <b>COG</b> <b>BRG</b> <b>COG</b> <b>Weight of DC</b> 106.53 <b>Weight of String</b> 57.00										<b>HOLE CONDITION</b> <b>Hole Drag</b> Up 2 Down 5 <b>Torque At Bottom</b> 5900 <b>Fill On Bottom</b>										<b>REDUCED PUMP SPEED</b> <b>Pump #</b> <b>Pressure</b> <b>Strokes/min</b> <b>Depth</b> <b>2 3800 @ 55 @ 804.00</b> <b>2 3700 @ 55 @ 846.00</b> <b>2 3800 @ 55 @ 1072.00</b>										<b>BOILER</b> <b>BoilerNo</b> <b>HoursRun</b> <b>pH</b> <b>StackTemp</b> <b>1 0.00 10.5 0</b> <b>2 6.00 10.5 320</b>										<b>SAFETY</b> <b>Safety Topic</b> <b>MEHL</b> <b>MACP</b> <b>3258</b>																													
<b>TOUR 2</b>										<b>SIGNATURE OF DRILLER</b>										<b>Jamie Little</b>										<b>START TIME</b>										<b>8:00</b>										<b>END TIME</b>										<b>20:00</b>									

BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG																													
<b>Bit Number</b> 2 <b>Size</b> 159 <b>IADC Code</b> M 4 3 3 <b>Manufacturer</b> HALLIBURTON <b>Type</b> MMD64 <b>Serial No</b> 12868526 <b>Jts</b> 9.5 9.5 7.1 7.1 <b>Depth Out (m)</b> 1763.00 <b>Depth In (m)</b> 458.00 <b>Total Drilled (m)</b> 1305.00 <b>Hrs Run Today</b> 8.50 <b>Cumulative Hrs Run</b> 16.00 <b>Entry Date</b> 11-Apr-2017										<b>No</b> <b>Component</b> <b>OD</b> <b>ID</b> <b>Length</b> <b>1 159MM BIT</b> 159 1 0.20 <b>1 4.75" SLIDE REAMER</b> 156 57 1.28 <b>1 4.75" NON MAG PONY</b> 120 69 1.94 <b>1 4.75" NON MAG FLEX MONEL</b> 120 69 9.26 <b>1 5" GAP SUB</b> 118 69 1.66 <b>1 4.75" UBHO SUB</b> 117 68 0.81 <b>1 4.75" NON MAG FLEX MONEL</b> 120 69 27.72 <b>1 X/O SUB</b> 130 62 0.80 <b>1 5.8" HYDMECH JARS</b> 133 57 5.19 <b>1 X/O SUB</b> 130 62 0.80 <b>40 4.5 HWDP</b> 114 73 29.32										<b>Mud Type</b> Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> <b>Time</b> 08:00 10:00 <b>Density</b> 1140 1135 <b>Funnel Viscosity</b> 29 29 <b>Fluid Loss</b> <b>pH</b> 10.5 10.5 <b>Location Of Sample</b> TROUGH TROUGH <b>Depth</b> 1263.00 1365.00 <b>PVT</b> 42 45 <b>Q2</b> 0.46 0.95 <b>Circulation</b> <b>Pump #</b> <b>Type</b> <b>Liner Size</b> <b>SPM</b> <b>Pressure</b> <b>Hrs Run</b> <b>2 SINGLE 127 115 13500 12.00</b>										<b>Time</b> <b>Depth</b> <b>Deviation</b> <b>Direction</b> <b>Type</b> <b>08:15 1247.30 0.40 316</b> <b>08:45 1276.01 0.60 12.8</b> <b>09:15 1304.90 1.20 146.6</b> <b>09:45 1333.81 1.20 111.4</b> <b>10:15 1362.53 1.20 114</b> <b>10:45 1391.13 0.70 206.8</b> <b>SOLIDS CONTROL</b> <b>Equipment Name</b> <b>Hours Run</b> <b>Intake Density</b> <b>Over Flow Density</b> <b>Under Flow Density</b> <b>Centrifuge #1</b> 12.00 1140 1120 1780 <b>Centrifuge #2</b> 12.00 1140 1120 1780 <b>MUD MATERIALS ADDED</b> <b>Product</b> <b>Amount</b> <b>Type</b> <b>DYNAFIBER</b> 17 SX <b>REDUCTION</b> 8 BOX <b>ALKALIME</b> 3 SX <b>CAL CARB 325</b> 5 SX <b>NDFT 325</b> 3 PAIL <b>REACTION</b> 1 PAIL <b>NEW FLOC</b> 1 SX <b>OPT-ONE</b> 16 PAILS										<b>From</b> <b>To</b> <b>Elapsed</b> <b>Code</b> <b>Details Of Operations In Sequence &amp; Remarks</b> <b>8:00 8:15 0:25 21A</b> BOP H2S DRILL WELL SECURE 95 SEC. MEN IN POSITION 2 MIN 20 SEC. <b>8:15 16:45 8:50 2</b> DRILL 159mm HOLE F/ 1257m / KOP 1713m <b>16:45 19:30 2:75 20A</b> DIRECTIONAL SURVEYS & CONNECTIONS <b>19:30 19:45 0:25 7</b> RIG SERVICE FUNCTIONED UPPER PIPE RAMS C/O 7 SEC. <b>19:45 20:00 0:25 21</b> SAFETY MEETING / CREW CHANGE HAND OVER																													
<b>CUTTING STRUCTURE</b> <b>TO</b> <b>COG</b> <b>MO</b> <b>COG</b> <b>LOC</b> <b>COG</b> <b>BRG</b> <b>COG</b> <b>Weight of DC</b> 81.56 <b>Weight of String</b> 69.00										<b>HOLE CONDITION</b> <b>Hole Drag</b> Up 2 Down 5 <b>Torque At Bottom</b> 7800 <b>Fill On Bottom</b>										<b>REDUCED PUMP SPEED</b> <b>Pump #</b> <b>Pressure</b> <b>Strokes/min</b> <b>Depth</b> <b>2 3700 @ 55 @ 1419.00</b> <b>2 3700 @ 55 @ 1419.00</b> <b>2 3850 @ 55 @ 1419.00</b>										<b>BOILER</b> <b>BoilerNo</b> <b>HoursRun</b> <b>pH</b> <b>StackTemp</b> <b>1 0.00 10.5 0</b> <b>2 8.00 10.5 320</b>										<b>SAFETY</b> <b>Safety Topic</b> <b>MEHL</b> <b>MACP</b> <b>3168</b>																													
<b>TOUR 3</b>										<b>SIGNATURE OF DRILLER</b>										<b>Brody Olesen</b>										<b>START TIME</b>										<b>20:00</b>										<b>END TIME</b>										<b>24:00</b>									

BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG																													
<b>Bit Number</b> 2 <b>Size</b> 159 <b>IADC Code</b> M 4 3 3 <b>Manufacturer</b> HALLIBURTON <b>Type</b> MMD64 <b>Serial No</b> 12868526 <b>Jts</b> 9.5 9.5 7.1 7.1 <b>Depth Out (m)</b> 1837.00 <b>Depth In (m)</b> 458.00 <b>Total Drilled (m)</b> 1379.00 <b>Hrs Run Today</b> 2.75 <b>Cumulative Hrs Run</b> 18.75 <b>Entry Date</b> 11-Apr-2017										<b>No</b> <b>Component</b> <b>OD</b> <b>ID</b> <b>Length</b> <b>1 159MM BIT</b> 159 1 0.20 <b>1 4.75" SLIDE REAMER</b> 156 57 1.28 <b>1 4.75" NON MAG PONY</b> 120 69 1.94 <b>1 4.75" NON MAG FLEX MONEL</b> 120 69 9.26 <b>1 5" GAP SUB</b> 118 69 1.66 <b>1 4.75" UBHO SUB</b> 117 68 0.81 <b>1 4.75" NON MAG FLEX MONEL</b> 120 69 27.72 <b>1 X/O SUB</b> 130 62 0.80 <b>1 5.8" HYDMECH JARS</b> 133 57 5.19 <b>1 X/O SUB</b> 130 62 0.80 <b>40 4.5 HWDP</b> 114 73 29.32										<b>Mud Type</b> Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> <b>Time</b> 20:00 22:00 <b>Density</b> 1150 1150 <b>Funnel Viscosity</b> 29 29 <b>Fluid Loss</b> <b>pH</b> 10 10 <b>Location Of Sample</b> TROUGH TROUGH <b>Depth</b> 1771.00 1809.00 <b>PVT</b> 36 36 <b>Q2 reading</b> 0.84 0.78 <b>Circulation</b> <b>Pump #</b> <b>Type</b> <b>Liner Size</b> <b>SPM</b> <b>Pressure</b> <b>Hrs Run</b> <b>2 SINGLE 127 115 13500 4.00</b>										<b>Time</b> <b>Depth</b> <b>Deviation</b> <b>Direction</b> <b>Type</b> <b>20:15 1754.76 7.70 347.3</b> <b>20:45 1764.33 8.90 345.6</b> <b>21:15 1773.89 10.10 344.2</b> <b>21:45 1783.44 11.20 340.2</b> <b>22:15 1793.04 12.20 339.2</b> <b>22:45 1802.69 13.40 339.5</b> <b>SOLIDS CONTROL</b> <b>Equipment Name</b> <b>Hours Run</b> <b>Intake Density</b> <b>Over Flow Density</b> <b>Under Flow Density</b> <b>Centrifuge #1</b> 4.00 1150 1140 1750 <b>Centrifuge #2</b> 4.00 1150 1140 1750 <b>MUD MATERIALS ADDED</b> <b>Product</b> <b>Amount</b> <b>Type</b> <b>REDUCTION</b> 4 SX <b>DYNAFIBER</b> 4 SX <b>NDFT 325</b> 1 PAIL <b>DSCO DEFOMER</b> 1 PAIL <b>REACTION</b> 1 PAIL										<b>From</b> <b>To</b> <b>Elapsed</b> <b>Code</b> <b>Details Of Operations In Sequence &amp; Remarks</b> <b>20:00 22:45 2:75 2</b> DRILL 159MM HOLE FROM 1763M - 1837M <b>22:45 23:45 1:00 20A</b> DIRECTIONAL SURVEYS / CONNECTION TIME <b>23:45 24:00 0:25 7</b> RIG SERVICE FCN LOWER PIPE RAMS 8 SEC. C/O																													
<b>CUTTING STRUCTURE</b> <b>TO</b> <b>COG</b> <b>MO</b> <b>COG</b> <b>LOC</b> <b>COG</b> <b>BRG</b> <b>COG</b> <b>Weight of DC</b> 73.55 <b>Weight of String</b> 71.00										<b>HOLE CONDITION</b> <b>Hole Drag</b> Up 3 Down 6 <b>Torque At Bottom</b> 8000 <b>Fill On Bottom</b>										<b>REDUCED PUMP SPEED</b> <b>Pump #</b> <b>Pressure</b> <b>Strokes/min</b> <b>Depth</b> <b>2 4000 @ 55 @ 1837.00</b> <b>@ @ @</b> <b>@ @ @</b>										<b>BOILER</b> <b>BoilerNo</b> <b>HoursRun</b> <b>pH</b> <b>StackTemp</b> <b>1 0.00 10.5 0</b> <b>2 2.00 10.5 320</b>										<b>SAFETY</b> <b>Safety Topic</b> <b>MEHL</b> <b>MACP</b> <b>3258</b>																													
<b>TOUR 3</b>										<b>SIGNATURE OF DRILLER</b>										<b>Brody Olesen</b>										<b>START TIME</b>										<b>20:00</b>										<b>END TIME</b>										<b>24:00</b>									

TOUR	1	SIGNATURE OF DRILLER	Brody Olesen		START TIME	0:00	END TIME	8:00
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[illegible]

TOUR	<b>2</b>	SIGNATURE OF DRILLER	<b>Jamie Little</b>		START TIME	<b>8:00</b>	END TIME	<b>20:00</b>
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[illegible]

TOUR **3** SIGNATURE OF DRILLER **Brody Olesen** START TIME **20:00** END TIME **24:00**

BITS				DRILLING ASSEMBLY				MUD RECORD				DEVIATION SURVEYS				TIME LOG								
Bit Number	2			No	Component	OD	ID	Length	Mud Type	Water	<input type="checkbox"/>	Oil	<input checked="" type="checkbox"/>	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details Of Operations In Sequence & Remarks	
Size	159			1	159MM BIT	159	1	0.20						23:30	1812.27	14.20	339.1							
IADC Code	M	4	3	3	3"WITH TBL 3.7 STD. LST"	126	1	8.63	Time	23:45														
Manufacturer	HALLIBURTON			1	4.75" SLIDE REAMER	156	57	1.28	Density	1150														
Type	MMD64			1	4.75" NON MAG PONY	120	69	1.94	Funnel Viscosity	29														
Serial No	12868526			1	4.75" NON MAG FLEX BONES	120	69	9.26	Fluid Loss															
Jets	9.5	9.5	7.1	7.1	15" GAP SUB	118	69	1.86	pH	10														
Depth Out (m)	1837.00			1	4.75" UBHO SUB	117	68	0.81	Location Of Sample	TROUGH														
Depth In (m)	458.00			3	4.75" NON MAG FLEX BONES	120	69	27.77	Depth	1841.00														
Total Drilled (m)	1379.00			1	X/O SUB	130	62	0.80	PVT	38														
Hrs Run Today	2.75			40	4.5 HWDP	114	73	29.35	62 reading	0.74														
Cumulative Hrs Run	18.75			2	SINGLE	127	115	13500	4.00															
Entry Date	11-Apr-2017			49	Drill Pipe	Stand	1409.58																	
CUTTING STRUCTURE				0	Drill Pipe	Singles	0.00																	
Top	Legg			Kelly Crowl	-1.27			Remarks																
MDC	Reason Paced			Total	1837.00			OFF BOTTOM TORQUE - 3300 FT/LBS																
LOC	Total R (in)			Weight of DC	71.00			Remarks																
BSC	73.55			Weight of String				FCN CROWN SAVER TDCWS H/L STOPS AND LIMITS																
METRES DRILLED				HOLE CONDITION				REDUCED PUMP SPEED				BOILER				SAFETY								
From	To	D-R-C	RPM	WOB	Hole Drag	Up	3	Down	6	Pump #	Pressure	Strokes/min	Depth	BoilerNo	HoursRun	pH	StackTemp	Safety	Safety Topic			MEHL	MACP	
					Torque At Bottom				8000	2	4000	@	55	@	1837.20				SPILL RESPONSE				3258	
					Fill On Bottom						@		@											





FRONT PAGE SUMMARY															Tour Sheet Serial Number		Vendor Software Version		Year	Month	Day	DAILY CHECKS										OP RM		
PREC542 20170412 1C															RMS 2016.8.30.38074				2017	04	12													
33114 ARCRCES HZ DAWSON F9-21-79-14															Surface Location		Prov		Loc Type		Unique Well Id													
9-21-79-14 W6															BC		DLS		10211-29-079-14W6/00															
ARC Resources Ltd.															Contractor		BC		DLS		10211-29-079-14W6/00													
Precision Drilling, div of PDC															Contractor Job No		542		HORIZ		Re Entry													
17DR10057															Spud Date Time		11-Apr-2017		13:45															
Signatures of Operator's Representative															Signature of Contractor's Rig Manager		Wade Dux																	
Sheldon Kashuba																																		
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	FUEL @ 08:00 HRS								
Hours																										TOTAL	33111							
Tour 1		5.50																			2.00	0.25				8.00	06:00							
Tour 2		8.50																			2.75	0.50				12.00	06:00							
Tour 3		2.75																			1.00					4.00	06:00							
TOTAL		16.75																			5.75	0.75				24.00	06:00							

  

TOUR 1		SIGNATURE OF DRILLER		Brody Olesen		START TIME		0:00		END TIME		8:00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">BITS</th> <th colspan="2">DRILLING ASSEMBLY</th> <th colspan="2">MUD RECORD</th> <th colspan="2">DEVIATION SURVEYS</th> <th colspan="2">TIME LOG</th> </tr> <tr> <th>Bit Number</th> <th>2</th> <th>No</th> <th>Component</th> <th>OD</th> <th>ID</th> <th>Length</th> <th>Mud Type</th> <th>Water</th> <th>Oil</th> </tr> </thead> <tbody> <tr> <td>Size</td> <td>159</td> <td>1</td> <td>159MM BIT</td> <td>159</td> <td>1</td> <td>0.20</td> <td></td> <td></td> <td></td> </tr> <tr> <td>IADC Code</td> <td>M 4 3 3</td> <td>1</td> <td>2"WB 78.37 STD. 1.82"</td> <td>126</td> <td>1</td> <td>8.63</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Manufacturer</td> <td>HALLIBURTON</td> <td>1</td> <td>4.75" SLIDE REAMER</td> <td>156</td> <td>57</td> <td>1.28</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Type</td> <td>MMD64</td> <td>1</td> <td>4.75" NON MAG PONY</td> <td>120</td> <td>69</td> <td>1.94</td> 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CONDITION</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Hole Drag</td> <td>Up</td> <td>2</td> <td>Down</td> <td>5</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Torque At Bottom</td> <td></td> <td>5900</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Fill On Bottom</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>REDUCED PUMP SPEED</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Pump #</td> <td>Pressure</td> <td>Strokes/min</td> <td>Depth</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>2</td> <td>3800</td> <td>@ 55</td> <td>@ 804.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>2</td> <td>3700</td> <td>@ 55</td> <td>@ 846.00</td> <td></td> <td></td> <td></td> </tr> <tr> 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NON MAG FLEX MONEL	120	69	9.26				Jts	9.5 9.5 7.1 7.1	1	15" GAP SUB	118	69	1.66				Depth Out (m)	1257.00	1	4.75" UBHO SUB	117	68	0.81				Depth In (m)	458.00	3	4.75" NON MAG FLEX MONEL	120	69	27.72				Total Drilled (m)	799.00	1	X/O SUB	130	62	0.80				Hrs Run Today	5.50	1	5.8" HYDMECH JARS	133	57	5.19				Cumulative Hrs Run	7.50	1	X/O SUB	130	62	0.80				Entry Date	11-Apr-2017	40	4.5 HWDP	114	73	29.32				CUTTING STRUCTURE		29	Drill Pipe	Standards	835.11							0	Drill Pipe	Singles	0.00								Kelly Crown	Total	1257.00								Weight of DC										Weight of String		57.00								HOLE CONDITION										Hole Drag	Up	2	Down	5						Torque At Bottom		5900								Fill On Bottom										REDUCED PUMP SPEED										Pump #	Pressure	Strokes/min	Depth							2	3800	@ 55	@ 804.00							2	3700	@ 55	@ 846.00							2	3800	@ 55	@ 1072.00							BOILER										BoilerNo	HoursRun	pH	StackTemp							DERRICK 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Crown	Total	1837.00								Weight of DC										Weight of String		71.00								HOLE CONDITION										Hole Drag	Up	3	Down	6						Torque At Bottom		8000								Fill On Bottom										REDUCED PUMP SPEED										Pump #	Pressure	Strokes/min	Depth							2	4000	@ 55	@ 1837.00							BOILER										BoilerNo	HoursRun	pH	StackTemp							DERRICK CONNECTIONS																
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Run</td> <td>16.00</td> <td>1</td> <td>X/O SUB</td> <td>130</td> <td>62</td> <td>0.80</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Entry Date</td> <td>11-Apr-2017</td> <td>40</td> <td>4.5 HWDP</td> <td>114</td> <td>73</td> <td>29.32</td> <td></td> <td></td> <td></td> </tr> <tr> <td>CUTTING STRUCTURE</td> <td></td> <td>47</td> <td>Drill Pipe</td> <td>Standards</td> <td>1352.14</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>0</td> <td>Drill Pipe</td> <td>Singles</td> <td>0.00</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Kelly Crown</td> <td>Total</td> <td>1763.00</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Weight of DC</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Weight of String</td> <td></td> <td>69.00</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>HOLE 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Run Today	2.75	1	5.8" HYDMECH JARS	133	57	5.19				Cumulative Hrs Run	18.75	1	X/O SUB	130	62	0.80				Entry Date	11-Apr-2017	40	4.5 HWDP	114	73	29.32				CUTTING STRUCTURE		49	Drill Pipe	Standards	1409.58							0	Drill Pipe	Singles	0.00								Kelly Crown	Total	1837.00								Weight of DC										Weight of String		71.00								HOLE CONDITION										Hole Drag	Up	3	Down	6						Torque At Bottom		8000								Fill On Bottom										REDUCED PUMP SPEED										Pump #	Pressure	Strokes/min	Depth							2	4000	@ 55	@ 1837.00							BOILER										BoilerNo	HoursRun	pH	StackTemp							DERRICK 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FRONT PAGE SUMMARY										Tour Sheet Serial Number		Vendor Software Version		Year	Month	Day	DAILY CHECKS										OP RM																																																																																																																																																																			
<b>33114</b> <b>ARCRES HZ DAWSON F9-21-79-14</b>										<b>PREC542 20170413 1A</b>		<b>RMS 2016.8.30.38074</b>		<b>2017</b>	<b>04</b>	<b>13</b>	(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) HOS Signs Posted if Required (4) Well License & Stick Diagram Posted (5) Flare Lines Sealed (6) BOP Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines (8) CADC Rig Safety Inspection Checklist (weekly/monthly) (9) Master Valve Checked (10) Crown Saver Checked										SK TT	SK TT																																																																																																																																																																		
<b>ARC Resources Ltd.</b> <b>17DR10057</b> Signature of Operator's Representative <b>Sheldon Kashuba</b>										<b>Precision Drilling, div of PDC</b> Contractor's Job No. <b>65</b>		<b>542</b>		<b>BC</b>		<b>DLS</b>		<b>102/11-29-079-14W6/00</b>		<b>HORIZ</b>		<b>Re Entry</b>		SK TT	SK TT																																																																																																																																																																					
<b>Signature of Contractor's Rig Manager</b> <b>Travis Turko</b>										<b>11-Apr-2017</b>		<b>13:45</b>		<b>11-Apr-2017</b>		<b>13:45</b>		<b>11-Apr-2017</b>		SK TT	SK TT																																																																																																																																																																									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Code</th> <th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th><th>12</th><th>13</th><th>14</th><th>15</th><th>16</th><th>17</th><th>18</th><th>19</th><th>20</th><th>21</th><th>22</th><th>23</th><th>24</th><th>25</th> <th>6</th> <th>6</th> </tr> <tr> <th></th> <th>Rig Up</th><th>Drill Actual</th><th>Reaming</th><th>Coring</th><th>Core Mud &amp; Circ</th><th>Trips</th><th>Rig Service</th><th>Repair Rig</th><th>Cut Off Drill Line</th><th>Dev Survey</th><th>Wireline Logs</th><th>Run Gap &amp; Cement</th><th>Wait On Cement</th><th>Nipple BOP</th><th>Test BOP</th><th>Drillstem Test</th><th>Plug Back</th><th>Squeeze Cement</th><th>Fishing</th><th>Dr Work</th><th>Safety Meeting</th><th>Tear Down</th><th>Waiting On</th><th>Rig Watch</th><th>Other</th> <th>FUEL @ 08:00 HRS</th> <th>Weather</th> </tr> </thead> <tbody> <tr> <td>Tour 1</td> <td>5.50</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.25</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2.00</td><td>0.25</td><td></td><td></td><td></td> <td>8.00</td> <td>31094</td> </tr> <tr> <td>Tour 2</td> <td>6.75</td><td></td><td></td><td></td><td>0.50</td><td>1.50</td><td>0.25</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2.50</td><td>0.50</td><td></td><td></td><td></td> <td>12.00</td> <td>05:45</td> </tr> <tr> <td>Tour 3</td> <td></td><td></td><td></td><td></td><td></td><td>2.50</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1.25</td><td>0.25</td><td></td><td></td><td></td> <td>4.00</td> <td>NE</td> </tr> <tr> <td>TOTAL</td> <td>12.25</td><td></td><td></td><td></td><td>0.50</td><td>4.00</td><td>0.50</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>5.75</td><td>1.00</td><td></td><td></td><td></td> <td>24.00</td> <td>FAIR</td> </tr> </tbody> </table>																										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	6	6		Rig Up	Drill Actual	Reaming	Coring	Core Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drill Line	Dev Survey	Wireline Logs	Run Gap & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dr Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	FUEL @ 08:00 HRS	Weather	Tour 1	5.50								0.25												2.00	0.25				8.00	31094	Tour 2	6.75				0.50	1.50	0.25													2.50	0.50				12.00	05:45	Tour 3						2.50														1.25	0.25				4.00	NE	TOTAL	12.25				0.50	4.00	0.50													5.75	1.00				24.00	FAIR
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TOUR <b>1</b>		SIGNATURE OF DRILLER <b>Brody Olesen</b>		START TIME <b>0:00</b>		END TIME <b>8:00</b>	
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BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG	
Bit Number <b>2</b>	Size <b>159</b>	No <b>1</b>	Component <b>1 159MM BIT</b>	OD <b>159</b>	ID <b>126</b>	Length <b>1.020</b>	Mud Type <b>Water</b>	Water <input checked="" type="checkbox"/>	Oil <input type="checkbox"/>
IADC Code <b>M 4 3 3</b>	Manufacturer <b>HALLIBURTON</b>	Type <b>MMD64</b>	Serial No <b>12868526</b>	Jms <b>9.5 9.5 7.1 7.1</b>	Depth Out (m) <b>1951.00</b>	Depth In (m) <b>458.00</b>	Total Drilled (m) <b>1493.00</b>	Hrs Run Today <b>5.50</b>	Cumulative Hrs Run <b>24.25</b>
CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		DEVIATION SURVEYS		TIME LOG	
TO MDC LOC BRO		Kelly Down Total 1951.00 Weight of DC 61.57 Weight of String 67.00		Pump # Pressure Strokes/min Depth <b>1 7100 @ 55 @ 1952.00</b>		Time Depth Deviation Direction Type <b>00:00 1821.77 15.40 340.2 DIRECTIONAL</b> <b>00:45 1831.28 16.80 341.2 DIRECTIONAL</b> <b>01:00 1840.79 18.10 338.7 DIRECTIONAL</b> <b>01:30 1850.35 19.00 338.4 DIRECTIONAL</b> <b>02:00 1859.92 20.10 338.7 DIRECTIONAL</b> <b>02:30 1869.43 22.10 339.6 DIRECTIONAL</b>		From To Elapsed Code <b>0:00 5:30 5:50 2</b> <b>5:30 7:30 2:00 20A</b> <b>7:30 7:45 0:25 7</b> <b>7:45 8:00 0:25 21</b>	
METRES DRILLED From To D-R-C RPM WOB <b>1837.00 1951.00 DRILL 70 70 15.5</b>		HOLE CONDITION Hole Drag Up <b>3</b> Down <b>6</b> Torque At Bottom <b>6500</b> Fill On Bottom		Pump # Pressure Strokes/min Depth <b>1 7100 @ 55 @ 1952.00</b> <b>2 7100 @ 55 @ 1952.00</b>		Time Depth Deviation Direction Type <b>00:00 1821.77 15.40 340.2 DIRECTIONAL</b> <b>00:45 1831.28 16.80 341.2 DIRECTIONAL</b> <b>01:00 1840.79 18.10 338.7 DIRECTIONAL</b> <b>01:30 1850.35 19.00 338.4 DIRECTIONAL</b> <b>02:00 1859.92 20.10 338.7 DIRECTIONAL</b> <b>02:30 1869.43 22.10 339.6 DIRECTIONAL</b>		Details of Operations In Sequence & Remarks <b>DRILL 159MM HOLE FROM 1837M - 1951M</b> <b>DIRECTIONAL SURVEYS / CONNECTION TIME</b> <b>RIG SERVICE FCN ANNUAL 24 SEC. C/O</b> <b>CREW CHANGE SAFETY MEETING</b>	
TO MDC LOC BRO		Kelly Down Total 1951.00 Weight of DC 61.57 Weight of String 67.00		Pump # Pressure Strokes/min Depth <b>1 7100 @ 55 @ 1952.00</b> <b>2 7100 @ 55 @ 1952.00</b>		Time Depth Deviation Direction Type <b>00:00 1821.77 15.40 340.2 DIRECTIONAL</b> <b>00:45 1831.28 16.80 341.2 DIRECTIONAL</b> <b>01:00 1840.79 18.10 338.7 DIRECTIONAL</b> <b>01:30 1850.35 19.00 338.4 DIRECTIONAL</b> <b>02:00 1859.92 20.10 338.7 DIRECTIONAL</b> <b>02:30 1869.43 22.10 339.6 DIRECTIONAL</b>		Details of Operations In Sequence & Remarks <b>DRILL 159MM HOLE FROM 1837M - 1951M</b> <b>DIRECTIONAL SURVEYS / CONNECTION TIME</b> <b>RIG SERVICE FCN ANNUAL 24 SEC. C/O</b> <b>CREW CHANGE SAFETY MEETING</b>	
TO MDC LOC BRO		Kelly Down Total 1951.00 Weight of DC 61.57 Weight of String 67.00		Pump # Pressure Strokes/min Depth <b>1 7100 @ 55 @ 1952.00</b> <b>2 7100 @ 55 @ 1952.00</b>		Time Depth Deviation Direction Type <b>00:00 1821.77 15.40 340.2 DIRECTIONAL</b> <b>00:45 1831.28 16.80 341.2 DIRECTIONAL</b> <b>01:00 1840.79 18.10 338.7 DIRECTIONAL</b> <b>01:30 1850.35 19.00 338.4 DIRECTIONAL</b> <b>02:00 1859.92 20.10 338.7 DIRECTIONAL</b> <b>02:30 1869.43 22.10 339.6 DIRECTIONAL</b>		Details of Operations In Sequence & Remarks <b>DRILL 159MM HOLE FROM 1837M - 1951M</b> <b>DIRECTIONAL SURVEYS / CONNECTION TIME</b> <b>RIG SERVICE FCN ANNUAL 24 SEC. C/O</b> <b>CREW CHANGE SAFETY MEETING</b>	

TOUR <b>2</b>		SIGNATURE OF DRILLER <b>Jamie Little</b>		START TIME <b>8:00</b>		END TIME <b>20:00</b>	
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BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG	
Bit Number <b>2</b>	Size <b>159</b>	No <b>1</b>	Component <b>1 159MM BIT</b>	OD <b>159</b>	ID <b>126</b>	Length <b>1.020</b>	Mud Type <b>Water</b>	Water <input checked="" type="checkbox"/>	Oil <input type="checkbox"/>
IADC Code <b>M 4 3 3</b>	Manufacturer <b>HALLIBURTON</b>	Type <b>MMD64</b>	Serial No <b>12868526</b>	Jms <b>9.5 9.5 7.1 7.1</b>	Depth Out (m) <b>2048.00</b>	Depth In (m) <b>458.00</b>	Total Drilled (m) <b>1590.00</b>	Hrs Run Today <b>6.75</b>	Cumulative Hrs Run <b>31.00</b>
CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		DEVIATION SURVEYS		TIME LOG	
TO MDC LOC BRO		Kelly Down Total 2048.00 Weight of DC 51.29 Weight of String 69.00		Pump # Pressure Strokes/min Depth <b>1 6800 @ 55 @ 1952.00</b> <b>2 6600 @ 55 @ 2048.00</b>		Time Depth Deviation Direction Type <b>08:00 1936.17 24.00 338.9 DIRECTIONAL</b> <b>09:00 1945.72 25.70 340.2 DIRECTIONAL</b> <b>09:45 1955.28 27.10 339.6 DIRECTIONAL</b> <b>10:30 1964.81 27.70 338.3 DIRECTIONAL</b> <b>11:30 1974.33 28.90 340.2 DIRECTIONAL</b> <b>12:15 1983.98 29.50 341.4 DIRECTIONAL</b>		From To Elapsed Code <b>8:00 14:45 6:45 2</b> <b>14:45 17:15 2:30 20A</b> <b>17:15 17:30 0:25 5</b> <b>17:30 17:45 0:25 21</b> <b>17:45 19:15 1:50 6B</b> <b>19:15 19:30 0:25 7</b> <b>19:30 19:45 0:25 5</b> <b>19:45 20:00 0:25 21</b>	
METRES DRILLED From To D-R-C RPM WOB <b>1951.00 2048.00 DRILL 70 70 15.5</b>		HOLE CONDITION Hole Drag Up <b>4</b> Down <b>8</b> Torque At Bottom <b>6800</b> Fill On Bottom		Pump # Pressure Strokes/min Depth <b>1 6800 @ 55 @ 1952.00</b> <b>2 6600 @ 55 @ 2048.00</b>		Time Depth Deviation Direction Type <b>08:00 1936.17 24.00 338.9 DIRECTIONAL</b> <b>09:00 1945.72 25.70 340.2 DIRECTIONAL</b> <b>09:45 1955.28 27.10 339.6 DIRECTIONAL</b> <b>10:30 1964.81 27.70 338.3 DIRECTIONAL</b> <b>11:30 1974.33 28.90 340.2 DIRECTIONAL</b> <b>12:15 1983.98 29.50 341.4 DIRECTIONAL</b>		Details of Operations In Sequence & Remarks <b>DRILL 159mm HOLE F/ 1951m TO 2048m</b> <b>DIRECTIONAL SURVEYS &amp; CONNECTIONS</b> <b>CONDITION MUD &amp; CIRCULATE</b> <b>SAFETY MEETING PRIOR TO TRIPPING OUT OF HOLE</b> <b>TRIP OUT OF HOLE / BACK REAM TO 1713m / 10 MIN FLOW CHECK @ 1864M</b> <b>RIG SERVICE FUNCTIONED UPPER PIPE RAMS C/O 7 SEC.</b> <b>CIRCULATE BTMS UP</b> <b>SAFETY MEETING / CREW CHANGE HAND OVER / CTA 2-5 TRIP OUT OF HOLE</b>	
TO MDC LOC BRO		Kelly Down Total 2048.00 Weight of DC 51.29 Weight of String 69.00		Pump # Pressure Strokes/min Depth <b>1 6800 @ 55 @ 1952.00</b> <b>2 6600 @ 55 @ 2048.00</b>		Time Depth Deviation Direction Type <b>08:00 1936.17 24.00 338.9 DIRECTIONAL</b> <b>09:00 1945.72 25.70 340.2 DIRECTIONAL</b> <b>09:45 1955.28 27.10 339.6 DIRECTIONAL</b> <b>10:30 1964.81 27.70 338.3 DIRECTIONAL</b> <b>11:30 1974.33 28.90 340.2 DIRECTIONAL</b> <b>12:15 1983.98 29.50 341.4 DIRECTIONAL</b>		Details of Operations In Sequence & Remarks <b>DRILL 159mm HOLE F/ 1951m TO 2048m</b> <b>DIRECTIONAL SURVEYS &amp; CONNECTIONS</b> <b>CONDITION MUD &amp; CIRCULATE</b> <b>SAFETY MEETING PRIOR TO TRIPPING OUT OF HOLE</b> <b>TRIP OUT OF HOLE / BACK REAM TO 1713m / 10 MIN FLOW CHECK @ 1864M</b> <b>RIG SERVICE FUNCTIONED UPPER PIPE RAMS C/O 7 SEC.</b> <b>CIRCULATE BTMS UP</b> <b>SAFETY MEETING / CREW CHANGE HAND OVER / CTA 2-5 TRIP OUT OF HOLE</b>	
TO MDC LOC BRO		Kelly Down Total 2048.00 Weight of DC 51.29 Weight of String 69.00		Pump # Pressure Strokes/min Depth <b>1 6800 @ 55 @ 1952.00</b> <b>2 6600 @ 55 @ 2048.00</b>		Time Depth Deviation Direction Type <b>08:00 1936.17 24.00 338.9 DIRECTIONAL</b> <b>09:00 1945.72 25.70 340.2 DIRECTIONAL</b> <b>09:45 1955.28 27.10 339.6 DIRECTIONAL</b> <b>10:30 1964.81 27.70 338.3 DIRECTIONAL</b> <b>11:30 1974.33 28.90 340.2 DIRECTIONAL</b> <b>12:15 1983.98 29.50 341.4 DIRECTIONAL</b>		Details of Operations In Sequence & Remarks <b>DRILL 159mm HOLE F/ 1951m TO 2048m</b> <b>DIRECTIONAL SURVEYS &amp; CONNECTIONS</b> <b>CONDITION MUD &amp; CIRCULATE</b> <b>SAFETY MEETING PRIOR TO TRIPPING OUT OF HOLE</b> <b>TRIP OUT OF HOLE / BACK REAM TO 1713m / 10 MIN FLOW CHECK @ 1864M</b> <b>RIG SERVICE FUNCTIONED UPPER PIPE RAMS C/O 7 SEC.</b> <b>CIRCULATE BTMS UP</b> <b>SAFETY MEETING / CREW CHANGE HAND OVER / CTA 2-5 TRIP OUT OF HOLE</b>	

TOUR <b>3</b>		SIGNATURE OF DRILLER <b>Brody Olesen</b>		START TIME <b>20:00</b>		END TIME <b>24:00</b>	
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BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG	
Bit Number <b>2</b>	Size <b>159</b>	No <b>1</b>	Component <b>1 159MM BIT</b>	OD <b>159</b>	ID <b>126</b>	Length <b>1.020</b>	Mud Type <b>Water</b>	Water <input checked="" type="checkbox"/>	Oil <input type="checkbox"/>
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CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		DEVIATION SURVEYS		TIME LOG	
TO MDC LOC BRO		Kelly Down Total 2048.00 Weight of DC 51.29 Weight of String 69.00		Pump # Pressure Strokes/min Depth <b>2 6600 @ 55 @ 1713.00</b>		Time Depth Deviation Direction Type <b>20:00 22:30 2:30 6B</b> <b>22:30 22:45 0:25 21</b> <b>22:45 24:00 1:25 20D</b>		Details of Operations In Sequence & Remarks <b>TRIP OUT OF HOLE FLOW CHECK @ 1056M, 66M, O.O.H FCN BLIND RAMS WHILE OUT OF HOLE 7 SEC. C/O TRIP VOLUMES CALCULATED 8.77M3 ACTUAL 9.85M3 DIFFERENCE + 1.08M3</b> <b>SAFETY MEETING WITH DIRECTIONAL REVIEW CTA 2-6</b> <b>HANDLE DIRECTIONAL TOOLS CHANGE OUT JARS LAY OUT PULSE TOOL AND SLIDE REAMER CHANGE BIT</b>	
METRES DRILLED From To D-R-C RPM WOB <b>1951.00 2048.00 DRILL 70 70 15.5</b>		HOLE CONDITION Hole Drag Up <b>4</b> Down <b>8</b> Torque At Bottom <b>6800</b> Fill On Bottom		Pump # Pressure Strokes/min Depth <b>2 6600 @ 55 @ 1713.00</b>		Time Depth Deviation Direction Type <b>20:00 22:30 2:30 6B</b> <b>22:30 22:45 0:25 21</b> <b>22:45 24:00 1:25 20D</b>		Details of Operations In Sequence & Remarks <b>TRIP OUT OF HOLE FLOW CHECK @ 1056M, 66M, O.O.H FCN BLIND RAMS WHILE OUT OF HOLE 7 SEC. C/O TRIP VOLUMES CALCULATED 8.77M3 ACTUAL 9.85M3 DIFFERENCE + 1.08M3</b> <b>SAFETY MEETING WITH DIRECTIONAL REVIEW CTA 2-6</b> <b>HANDLE DIRECTIONAL TOOLS CHANGE OUT JARS LAY OUT PULSE TOOL AND SLIDE REAMER CHANGE BIT</b>	
TO MDC LOC BRO		Kelly Down Total 2048.00 Weight of DC 51.29 Weight of String 69.00		Pump # Pressure Strokes/min Depth <b>2 6600 @ 55 @ 1713.00</b>		Time Depth Deviation Direction Type <b>20:00 22:30 2:30 6B</b> <b>22:30 22:45 0:25 21</b> <b>22:45 24:00 1:25 20D</b>		Details of Operations In Sequence & Remarks <b>TRIP OUT OF HOLE FLOW CHECK @ 1056M, 66M, O.O.H FCN BLIND RAMS WHILE OUT OF HOLE 7 SEC. C/O TRIP VOLUMES CALCULATED 8.77M3 ACTUAL 9.85M3 DIFFERENCE + 1.08M3</b> <b>SAFETY MEETING WITH DIRECTIONAL REVIEW CTA 2-6</b> <b>HANDLE DIRECTIONAL TOOLS CHANGE OUT JARS LAY OUT PULSE TOOL AND SLIDE REAMER CHANGE BIT</b>	
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FRONT PAGE SUMMARY										Tour Sheet Serial Number		Vendor Software Version		Year	Month	Day	DAILY CHECKS										OP RM																																																																																																																																								
License No <b>33114</b> Well Name <b>ARCRES HZ DAWSON F9-21-79-14</b> Operator's # <b>17DR10057</b> Signature of Operator's Representative <b>Sheldon Kashuba</b>										<b>PREC542 20170414 1A</b> Surface Location <b>9-21-79-14 W6</b>		<b>RMS 2016.8.30.38074</b> Prov <b>BC</b> Loc Type <b>DLS</b> Unique Well ID <b>102/11-29-079-14W6/00</b>		2017	04	14	(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) H2S Signs Posted if Required (4) Well Licence & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines (8) Rig Site Health & Safety Meeting (once/crew/month) (9) CADC Rig Safety Inspection Checklist (weekly/monthly) (10) Mast Inspection before Raising or Lowering (11) Crown Saver Checked (12) Motor Vibs Checked										SK TT SK TT SK TT SK TT SK TT SK TT TT TT TT																																																																																																																																								
Contractor <b>Precision Drilling, div of PDC</b> Contractor's Job No <b>65</b> Signature of Contractor's Rig Manager <b>Travis Turko</b>										Rig No <b>542</b> Rig Release Date Time <b>11-Apr-2017</b> 13:45		Spool Date Time		(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) H2S Signs Posted if Required (4) Well Licence & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines (8) Rig Site Health & Safety Meeting (once/crew/month) (9) CADC Rig Safety Inspection Checklist (weekly/monthly) (10) Mast Inspection before Raising or Lowering (11) Crown Saver Checked (12) Motor Vibs Checked										SK TT SK TT SK TT SK TT SK TT SK TT TT TT TT																																																																																																																																											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Code</th> <th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th><th>12</th><th>13</th><th>14</th><th>15</th><th>16</th><th>17</th><th>18</th><th>19</th><th>20</th><th>21</th><th>22</th><th>23</th><th>24</th><th>25</th> <th>6</th> <th>7</th> </tr> </thead> <tbody> <tr> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">HOURS</td> <td>Tour 1</td> <td></td><td></td><td></td><td></td><td>0.50</td><td>3.75</td><td>0.50</td><td></td><td>0.75</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1.50</td><td>1.00</td><td></td><td></td><td></td> <td>8.00</td> <td>27770</td> </tr> <tr> <td>Tour 2</td> <td></td><td>7.50</td><td></td><td></td><td></td><td>2.00</td><td>0.25</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2.00</td><td>0.25</td><td></td><td></td><td></td> <td>12.00</td> <td>05:45</td> </tr> <tr> <td>Tour 3</td> <td></td><td>3.00</td><td></td><td></td><td></td><td></td><td>0.25</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.75</td><td></td><td></td><td></td><td></td> <td>4.00</td> <td>0</td> </tr> <tr> <td>TOTAL</td> <td></td><td>10.50</td><td></td><td></td><td></td><td>0.50</td><td>5.75</td><td>1.00</td><td></td><td>0.75</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>4.25</td><td>1.25</td><td></td><td></td><td></td> <td>24.00</td> <td>0</td> </tr> </tbody> </table>																									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	6	7	HOURS	Tour 1					0.50	3.75	0.50		0.75											1.50	1.00				8.00	27770	Tour 2		7.50				2.00	0.25													2.00	0.25				12.00	05:45	Tour 3		3.00					0.25													0.75					4.00	0	TOTAL		10.50				0.50	5.75	1.00		0.75										4.25	1.25				24.00	0	FUEL @ 08:00 HRS 27770 05:45 0	
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	6	7																																																																																																																																								
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TOUR <b>1</b> SIGNATURE OF DRILLER <b>Brody Olesen</b>										START TIME <b>0:00</b> END TIME <b>8:00</b>									
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BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG																																																																																																
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License No: 33114    Well Name: ARCRCRES HZ DAWSON F9-21-79-14 Contractor: Precision Drilling, div of PDC Signature of Operator's Representative: Sheldon Kashuba Signature of Contractor's Rig Manager: Travis Turko										PREC542 20170415 1A		RMS 2016.8.30.38074		2017	04	15	(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) HOS Signs Posted if Required (4) Well License & Stick Diagram Posted (5) Flare Lines Sealed (6) BOP Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines (1) Rig Site Health & Safety Meeting (once/monthly) (2) CADC Rig Safety Inspection Checklist (weekly/monthly) (3) Mast Inspection before Raising or Lowering (4) Crown Saver Checked (5) Motor Vibs Checked										SK TT SK TT SK TT SK TT SK TT SK TT TT TT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Remarks            0:00 5:45 5.75 2 DRILL 159MM HOLE FROM 2174M - 2277M            5:45 7:30 1.75 20A DIRECTIONAL SURVEYS / CONNECTION TIME            7:30 7:45 0.25 7 RIG SERVICE FCN ANNUAL 25 SEC. C/O            7:45 8:00 0.25 21 CREW CHANGE SAFETY MEETING         </td> </tr> <tr> <td colspan="2">TOUR 2</td> <td colspan="2">SIGNATURE OF DRILLER: Jamie Little</td> <td colspan="2">START TIME: 8:00</td> <td colspan="2">END TIME: 16:00</td> <td colspan="2"></td> </tr> <tr> <td colspan="25"> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">BITS</th> <th colspan="2">DRILLING ASSEMBLY</th> <th colspan="2">MUD RECORD</th> <th colspan="2">DEVIATION SURVEYS</th> <th colspan="2">TIME LOG</th> </tr> </thead> <tbody> <tr> <td>Bit Number</td> <td>3</td> <td>No</td> <td>1</td> <td>Component</td> <td>159MM BIT</td> <td>OD</td> <td>159</td> <td>ID</td> <td>159</td> <td>Length</td> <td>1.020</td> <td>Mud Type</td> <td>Water</td> <td>Oil</td> <td>✓</td> <td>Time</td> <td>08:45</td> <td>Depth</td> <td>2270.46</td> <td>Deviation</td> <td>77.50</td> <td>Direction</td> <td>342.3</td> <td>Type</td> <td></td> </tr> <tr> <td>Size</td> <td>159</td> <td></td> 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Strokes/min 55            Depth 239.00         </td> <td colspan="2">           Boiler No 1            Hours Run 0.00            pH 10.5            Stack Temp 0         </td> <td colspan="2">           Details Of Operations In Sequence &amp; Remarks            8:00 13:45 5.75 2 DRILL 159mm HOLE FROM 2399M - 2437M            13:45 15:30 1.75 20A DIRECTIONAL SURVEYS &amp; CONNECTIONS            15:30 15:45 0.25 7 RIG SERVICE FUNCTIONED UPPER PIPE RAMS C/O 7 SEC.            15:45 16:00 0.25 21 SAFETY MEETING / CREW CHANGE HAND OVER         </td> </tr> <tr> <td colspan="2">TOUR 3</td> <td colspan="2">SIGNATURE OF DRILLER: Brody Olesen</td> <td colspan="2">START TIME: 16:00</td> <td colspan="2">END TIME: 24:00</td> <td colspan="2"></td> </tr> <tr> <td colspan="25"> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">BITS</th> <th colspan="2">DRILLING ASSEMBLY</th> <th colspan="2">MUD RECORD</th> <th colspan="2">DEVIATION SURVEYS</th> <th 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REAMING            18:30 21:30 3.00 3B BACK REAM FROM 2437M - 1714M FLOW CHECK @ 2292M, 1714M TRIP            21:30 21:45 0.25 7 RIG SERVICE FCN LOWER PIPE RAMS 8 SEC. 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C/O 7:45 8:00 0.25 21 CREW CHANGE SAFETY MEETING		TOUR 2		SIGNATURE OF DRILLER: Jamie Little		START TIME: 8:00		END TIME: 16:00				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">BITS</th> <th colspan="2">DRILLING ASSEMBLY</th> <th colspan="2">MUD RECORD</th> <th colspan="2">DEVIATION SURVEYS</th> <th colspan="2">TIME LOG</th> </tr> </thead> <tbody> <tr> <td>Bit Number</td> <td>3</td> <td>No</td> <td>1</td> <td>Component</td> <td>159MM BIT</td> <td>OD</td> <td>159</td> <td>ID</td> <td>159</td> <td>Length</td> <td>1.020</td> <td>Mud Type</td> <td>Water</td> <td>Oil</td> <td>✓</td> <td>Time</td> <td>08:45</td> <td>Depth</td> <td>2270.46</td> <td>Deviation</td> <td>77.50</td> <td>Direction</td> <td>342.3</td> <td>Type</td> <td></td> </tr> <tr> <td>Size</td> <td>159</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> 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border-collapse: collapse;"> <thead> <tr> <th colspan="2">BITS</th> <th colspan="2">DRILLING ASSEMBLY</th> <th colspan="2">MUD RECORD</th> <th colspan="2">DEVIATION SURVEYS</th> <th colspan="2">TIME LOG</th> </tr> </thead> <tbody> <tr> <td>Bit Number</td> <td>3</td> <td>No</td> <td>1</td> <td>Component</td> <td>159MM BIT</td> <td>OD</td> <td>159</td> <td>ID</td> <td>159</td> <td>Length</td> <td>1.020</td> <td>Mud Type</td> <td>Water</td> <td>Oil</td> <td>✓</td> <td>Time</td> <td>16:00</td> <td>Depth</td> <td>2385.32</td> <td>Deviation</td> <td>89.40</td> <td>Direction</td> <td>340.7</td> <td>Type</td> <td></td> </tr> <tr> <td>Size</td> <td>159</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>IADC Code</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Manufacturer</td> <td>HALLIBURTON</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Type</td> <td>MMD64</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Serial No</td> <td>12869073</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Jtcs</td> <td>9.5</td> <td>9.5</td> <td>7.1</td> <td>7.1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Depth Out (m)</td> <td>2437.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Depth In (m)</td> <td>2048.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total Drilled (m)</td> <td>389.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hrs Run Today</td> <td>1.50</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Cumulative Hrs Run</td> <td>23.50</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Entry Date</td> <td>14-Apr-2017</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2">CUTTING STRUCTURE</td> <td colspan="2">HOLE CONDITION</td> <td colspan="2">REDUCED PUMP SPEED</td> <td colspan="2">BOILER</td> <td colspan="2">SAFETY</td> </tr> <tr> <td colspan="2">           Kelly Down: -0.99            Total: 2437.00            Weight of DC: 16.55            Weight of String: 66.00         </td> <td colspan="2">           Kelly Down: -0.99            Total: 2437.00            Weight of DC: 16.55            Weight of String: 66.00         </td> <td colspan="2">           Pump # 1            Pressure 6300            Strokes/min 55            Depth 243.00         </td> <td colspan="2">           Pump # 1            Pressure 6300            Strokes/min 55            Depth 243.00         </td> <td colspan="2">           Boiler No 1            Hours Run 0.00            pH 10.5            Stack Temp 0         </td> <td colspan="2">           Details Of Operations In Sequence &amp; 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C/O            21:45 23:45 2.00 3A REAM &amp; CLEAN FCN FROM 1714M - 2062M            23:45 24:00 0.25 21 CREW CHANGE SAFETY MEETING         </td> </tr> <tr> <td colspan="2">TOUR 4</td> <td colspan="2">SIGNATURE OF DRILLER: Brody Olesen</td> <td colspan="2">START TIME: 24:00</td> <td colspan="2">END TIME: 00:00</td> <td colspan="2"></td> </tr> </tbody> </table> </td> </tr> </tbody></table>																									BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG		Bit Number	3	No	1	Component	159MM BIT	OD	159	ID	159	Length	1.020	Mud Type	Water	Oil	✓	Time	08:45	Depth	2270.46	Deviation	77.50	Direction	342.3	Type		Size	159																								IADC Code																									Manufacturer	HALLIBURTON																								Type	MMD64																								Serial No	12869073																								Jtcs	9.5	9.5	7.1	7.1																					Depth Out (m)	2399.00																								Depth In (m)	2048.00																								Total Drilled (m)	351.00																								Hrs Run Today	5.75																								Cumulative Hrs Run	22.00																								Entry Date	14-Apr-2017																								CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		BOILER		SAFETY		Kelly Down: -10.38 Total: 2399.00 Weight of DC: 15.95 Weight of String: 66.00		Kelly Down: -10.38 Total: 2399.00 Weight of DC: 15.95 Weight of String: 66.00		Pump # 1 Pressure 6300 Strokes/min 55 Depth 239.00		Pump # 1 Pressure 6300 Strokes/min 55 Depth 239.00		Boiler No 1 Hours Run 0.00 pH 10.5 Stack Temp 0		Details Of Operations In Sequence & Remarks 8:00 13:45 5.75 2 DRILL 159mm HOLE FROM 2399M - 2437M 13:45 15:30 1.75 20A DIRECTIONAL SURVEYS & CONNECTIONS 15:30 15:45 0.25 7 RIG SERVICE FUNCTIONED UPPER PIPE RAMS C/O 7 SEC. 15:45 16:00 0.25 21 SAFETY MEETING / CREW CHANGE HAND OVER		TOUR 3		SIGNATURE OF DRILLER: Brody Olesen		START TIME: 16:00		END TIME: 24:00				<table border="1" style="width:100%; 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License No <b>33114</b> Well Name <b>ARCRES HZ DAWSON F9-21-79-14</b> Operator's # <b>17DR0057</b> Signature of Operator's Representative <b>Sheldon Kashuba</b>										PREC542 20170415 1A Surface Location <b>9-21-79-14 W6</b>		RMS 2016.8.30.38074 Prov <b>BC</b> Loc Type <b>DLS</b> Unique Well ID <b>102/11-29-079-14W6/00</b>		2017	04	15	(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) H2S Signs Posted if Required (4) Well Licence & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines (1) Rig Site Health & Safety Meeting (once/week/month) (2) CADC Rig Safety Inspection Checklist (weekly/monthly) (3) Mast Inspection before Raising or Lowering (4) Crown Saver Checked (5) Motor Vibs Checked										SK TT SK TT SK TT SK TT SK TT TT TT	SK TT SK TT SK TT SK TT SK TT TT TT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Contractor <b>Precision Drilling, div of PDC</b> Company Job No <b>65</b> Signature of Contractor's Rig Manager <b>Travis Turko</b>										Rig No <b>542</b> Well Type <b>HORIZ</b> Re Entry <input type="checkbox"/>		Spud Date Time <b>11-Apr-2017</b> 13:45																						Kelly Boring 6    Top Fuel 3322																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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TORQUE 4400FT/LBS</b> </td> <td colspan="2">           SOLIDS CONTROL            Equipment Name    Hours Run    Intake Density    Over Flow Density    Under Flow Density            Centrifuge #1 <b>0.00</b>    0    0    0            Centrifuge #2 <b>0.00</b>    0    0    0         </td> <td colspan="2">           MUD MATERIALS ADDED            Product    Amount    Type         </td> <td colspan="2">           Details Of Operations In Sequence &amp; Remarks            Remarks  <b>FCN CROWN SAVER TDCWS H/L STOPS AND LIMITS</b>  <b>V.I. TONGS AND LINES, SLIPS AND DIES, DOG COLLARS AND IRON ROUGHNECK</b>  <b>V.I. DRILL LINE AND ANCHOR, ACCUMULATOR, BOP AND MANIFOLD VALVE ALIGNMENT,</b>  <b>FCN FLARE AND REMOTE CHOKES V.I. 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FLARE AND DEGASSER LINE</b> <b>HID- SLIPS &amp; TRIPS AROUND SWAMP MATS COVERED WITH</b>		METRES DRILLED From    To    D-R-C    RPM    WOB		HOLE CONDITION Hole Drag    Up    6    Down    13 Torque At Bottom <b>7300</b> Fill On Bottom		REDUCED PUMP SPEED Pump #    Pressure    Strokes/min    Depth 1    6300    @    55    @    2398.00		BOILER BoilerNo    HoursRun    pH    StackTemp		SAFETY Safety Topic    MEHL    MACP		DRIVING HOME FOR LONG CHANGE 2898		TOUR <b>3</b> SIGNATURE OF DRILLER <b>Brody Olesen</b>																									START TIME <b>16:00</b> END TIME <b>24:00</b>		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">BITS</th> <th colspan="2">DRILLING ASSEMBLY</th> <th colspan="2">MUD RECORD</th> <th colspan="2">DEVIATION SURVEYS</th> <th colspan="2">TIME LOG</th> </tr> <tr> <th>Bit Number</th><th>Size</th> <th>No</th><th>Component</th> <th>OD</th><th>ID</th> <th>Time</th><th>Depth</th> <th>Deviation</th><th>Direction</th> </tr> </thead> <tbody> <tr> <td>3</td><td>159</td> <td>1</td><td>159MM BIT</td> <td>159</td><td>1</td> <td></td><td></td> <td></td><td></td> </tr> <tr> <td></td><td></td> <td>1</td><td>2"WB TB 3.7 STD, 1.82"</td> <td>126</td><td>1</td> <td></td><td></td> <td></td><td></td> </tr> <tr> <td></td><td></td> <td>1</td><td>4.75" NOM MAG PONY</td> <td>120</td><td>69</td> <td></td><td></td> <td></td><td></td> </tr> <tr> <td></td><td></td> <td>1</td><td>4.75" NOM MAG FLEX MONEL</td> <td>120</td><td>69</td> <td></td><td></td> <td></td><td></td> </tr> <tr> <td></td><td></td> <td>1</td><td>5" GAP SUB</td> <td>118</td><td>69</td> <td></td><td></td> <td></td><td></td> </tr> <tr> <td></td><td></td> <td>3</td><td>4.75" NOM MAG FLEX MONEL</td> <td>120</td><td>69</td> <td></td><td></td> <td></td><td></td> </tr> <tr> <td></td><td></td> <td>1</td><td>X/O SUB</td> <td>130</td><td>62</td> <td></td><td></td> <td></td><td></td> </tr> <tr> <td></td><td></td> <td>1</td><td>5.8" HYDMECH JARS</td> <td>133</td><td>57</td> <td></td><td></td> <td></td><td></td> </tr> <tr> <td></td><td></td> <td>1</td><td>X/O SUB</td> <td>130</td><td>62</td> <td></td><td></td> <td></td><td></td> </tr> <tr> <td></td><td></td> <td>40</td><td>4.5 HWDP</td> <td>114</td><td>73</td> <td></td><td></td> <td></td><td></td> </tr> <tr> <td colspan="2">           IADC Code            Manufacturer <b>HALLIBURTON</b>            Type <b>MMD64</b>            Serial No <b>12869073</b>            Jars <b>9.5 9.5 7.1 7.1</b>            Depth Out (m) <b>2437.00</b>            Depth In (m) <b>2048.00</b>            Total Drilled (m) <b>389.00</b>            Hrs Run Today <b>1.50</b>            Cumulative Hrs Run <b>23.50</b>            Entry Date <b>14-Apr-2017</b> </td> <td colspan="2">           Kelly Clean            Total <b>2437.00</b>            Weight of DC <b>16.55</b>            Weight of String <b>66.00</b> </td> <td colspan="2">           Mud Type <input checked="" type="checkbox"/> Water <input type="checkbox"/> Oil            Time            Density            Funnel Viscosity            Fluid Loss            pH            Location Of Sample            Depth            PVT            Circulation            Pump # <b>1</b>    Type <b>SINGLE</b>    Liner Size <b>127</b>    SPM <b>115</b>    Pressure <b>20500</b>    Hs Run <b>8.00</b> </td> <td colspan="2">           Remarks  <b>OFF BOTTOM TORQUE 4500 FT/LBS</b> </td> <td colspan="2">           SOLIDS CONTROL            Equipment Name    Hours Run    Intake Density    Over Flow Density    Under Flow Density            Centrifuge #1 <b>0.00</b>    0    0    0            Centrifuge #2 <b>0.00</b>    0    0    0         </td> <td colspan="2">           MUD MATERIALS ADDED            Product    Amount    Type         </td> <td colspan="2">           Details Of Operations In Sequence &amp; Remarks            Remarks  <b>FCN CROWN SAVER TDCWS H/L STOPS AND LIMITS</b>  <b>V.I. 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<b>33114</b> <b>ARCRES HZ DAWSON F9-21-79-14</b>										<b>PREC542 20170417 1A</b>		<b>RMS 2016.8.30.38074</b>		<b>2017</b>	<b>04</b>	<b>17</b>	(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) HOS Signs Posted if Required (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines (8) Rig Site Health & Safety Meeting (one/crow/month) (9) CADC Rig Safety Inspection Checklist (weekly/monthly) (10) Mast Inspection before Raising or Lowering (11) Crown Saver Checked (12) Motor Vibs Checked										SK TT SK TT SK TT SK TT SK TT SK TT TT TT TT																																																																																																																																										
<b>ARC Resources Ltd.</b> <b>17DR0057</b> Signature of Operator's Representative <b>Sheldon Kashuba</b>										<b>Precision Drilling, div of PDC</b> <b>65</b> Signature of Contractor's Rig Manager <b>Travis Turko</b>										<b>542</b> Spud Date Time <b>11-Apr-2017</b> Rig Release Date Time <b>13:45</b>		<b>BC</b> Loc Type <b>DLS</b> Unique Well Id <b>102/11-29-079-14W6/00</b> Well Type <b>HORIZ</b> Re Entry <input type="checkbox"/>										<b>CAODC</b> <b>NOV</b>																																																																																																																																					
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	TOTAL		10.50					5.50	0.75		0.50										5.50	1.25				24.00	FAIR																																																																																																																																										

TOUR <b>1</b>		SIGNATURE OF DRILLER <b>Jamie Little</b>		START TIME <b>0:00</b>		END TIME <b>8:00</b>	
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BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG									
Bit Number <b>4</b> Size <b>159</b> IADC Code Manufacturer <b>REED</b> Type <b>SK513M-E1</b> Serial No <b>A233234</b> Jms <b>8.7 8.7 8.7</b> Depth Out (m) <b>2472.00</b> Depth In (m) <b>2437.00</b> Total Drilled (m) <b>35.00</b> Hrs Run Today <b>0.50</b> Cumulative Hrs Run <b>0.50</b> Entry Date <b>17-Apr-2017</b>										No. <b>1</b> Component <b>159MM BIT</b> OD <b>159</b> ID <b>1</b> Length <b>1.020</b> 1 5" MTR 67, 8 STG, 1.75" 123 1 9.17 1 4.75 SLIDE REAMER 156 57 1.42 1 4.75" NON WAG FLEX MONEL 120 69 9.26 1 5" GAP SUB 118 69 1.68 3 4.75" NON WAG FLEX MONEL 120 69 27.72 1 X/O SUB 130 62 0.80 1 5.8" HYDMECH JARS 133 57 5.19 1 X/O SUB 130 62 0.80 1 4.5 HWDP 114 73 9.34 151 4.5" PT43 DP 114 91 1.42 1 PT43 X/O SUB 133 58 0.81 1 AGITATOR 135 68 5.79 0 Drill Pipe Stands <b>0.00</b> 0 Drill Pipe Singles <b>0.00</b>										Mud Type <input type="checkbox"/> Water <input checked="" type="checkbox"/> Oil Other <input type="checkbox"/> Time Density Funnel Viscosity Fluid Loss pH Location Of Sample Depth PVT Circulation Pump # Type Liner Size SPM Pressure Hrs Run <b>1 SINGLE 127 115 21000 2.00</b>										Time Depth Deviation Direction Type 10:15 2534.54 90.30 327.2 DIRECTIONAL 10:30 2544.10 88.90 325.7 DIRECTIONAL 10:45 2553.67 88.90 325.8 DIRECTIONAL 11:15 2563.18 89.20 324.2 DIRECTIONAL 11:30 2572.75 89.40 323.1 DIRECTIONAL 11:45 2582.33 89.70 321.3 DIRECTIONAL										From To Elapsed Code Details Of Operations In Sequence & Remarks Remarks FCN CROWN SAVER TDCWS H/L STOPS AND LIMITS V.I. TONGS AND LINES, SLIPS AND DIES, DOG COLLARS AND IRON ROUGHNECK V.I. DRILL LINE AND ANCHOR, ACCUMULATOR, BOP AND MANIFOLD VALVE ALIGNMENT, FCN FLARE AND REMOTE CHOKES V.I. FLARE AND DEGASSER LINE									
CUTTING STRUCTURE TO <input type="checkbox"/> Gage MDC <input type="checkbox"/> CUC LOC <input type="checkbox"/> Reason Pulled BSG <input type="checkbox"/> Total Run (in) <b>70.00</b> Weight of String <b>61.00</b>										Kelly Down <b>-13.19</b> Total <b>2472.00</b> Weight of DC Weight of String <b>61.00</b>										OFF BOTTOM TORQUE - 3600 FT/LBS REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth <b>1 5400 @ 55 @ 1207.60</b> <b>1 6200 @ 55 @ 1822.60</b> <b>1 7700 @ 55 @ 2203.60</b>										BOILER BoilerNo HoursRun pH StackTemp SAFETY Handling Dir. Tools MEHL 2853 MACP										METRES DRILLED From To D-R-C RPM WOB Hole Drag Up <b>6</b> Down <b>12</b> Torque At Bottom <b>8000</b> Fill On Bottom									

TOUR <b>2</b>		SIGNATURE OF DRILLER <b>Brody Olesen</b>		START TIME <b>8:00</b>		END TIME <b>20:00</b>	
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BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG									
Bit Number <b>4</b> Size <b>159</b> IADC Code Manufacturer <b>REED</b> Type <b>SK513M-E1</b> Serial No <b>A233234</b> Jms <b>8.7 8.7 8.7</b> Depth Out (m) <b>2915.00</b> Depth In (m) <b>2437.00</b> Total Drilled (m) <b>478.00</b> Hrs Run Today <b>7.50</b> Cumulative Hrs Run <b>8.00</b> Entry Date <b>17-Apr-2017</b>										No. <b>1</b> Component <b>159MM BIT</b> OD <b>159</b> ID <b>1</b> Length <b>1.020</b> 1 5" MTR 67, 8 STG, 1.75" 123 1 9.17 1 4.75 SLIDE REAMER 156 57 1.42 1 4.75" NON WAG FLEX MONEL 120 69 9.26 1 5" GAP SUB 118 69 1.68 3 4.75" NON WAG FLEX MONEL 120 69 27.72 1 X/O SUB 130 62 0.80 1 5.8" HYDMECH JARS 133 57 5.19 1 X/O SUB 130 62 0.80 1 4.5 HWDP 114 73 9.34 151 4.5" PT43 DP 114 91 1.42 1 PT43 X/O SUB 133 58 0.81 1 AGITATOR 135 68 5.79 0 Drill Pipe Stands <b>0.00</b> 0 Drill Pipe Singles <b>0.00</b>										Mud Type <input type="checkbox"/> Water <input checked="" type="checkbox"/> Oil Other <input type="checkbox"/> Time Density Funnel Viscosity Fluid Loss pH Location Of Sample Depth PVT Circulation Pump # Type Liner Size SPM Pressure Hrs Run <b>1 SINGLE 127 115 21000 12.00</b>										Time Depth Deviation Direction Type 10:15 2534.54 90.30 327.2 DIRECTIONAL 10:30 2544.10 88.90 325.7 DIRECTIONAL 10:45 2553.67 88.90 325.8 DIRECTIONAL 11:15 2563.18 89.20 324.2 DIRECTIONAL 11:30 2572.75 89.40 323.1 DIRECTIONAL 11:45 2582.33 89.70 321.3 DIRECTIONAL										From To Elapsed Code Details Of Operations In Sequence & Remarks Remarks FCN CROWN SAVER TDCWS H/L STOPS AND LIMITS V.I. TONGS AND LINES, SLIPS AND DIES, DOG COLLARS AND IRON ROUGHNECK V.I. DRILL LINE AND ANCHOR, ACCUMULATOR, BOP AND MANIFOLD VALVE ALIGNMENT, FCN FLARE AND REMOTE CHOKES V.I. FLARE AND DEGASSER LINE HD - 6FT STEP LADDER LEANING ON HAND RAIL BY LER POTENTIAL TO FALL OFF									
CUTTING STRUCTURE TO <input type="checkbox"/> Gage MDC <input type="checkbox"/> CUC LOC <input type="checkbox"/> Reason Pulled BSG <input type="checkbox"/> Total Run (in) <b>59.75</b> Weight of String <b>62.00</b>										Kelly Down <b>-0.60</b> Total <b>2915.00</b> Weight of DC Weight of String <b>62.00</b>										OFF BOTTOM TORQUE - 4000 ft/lbs REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth <b>1 6900 @ 55 @ 2989.60</b> <b>1 6950 @ 55 @ 3741.60</b> <b>1 7100 @ 55 @ 3743.60</b>										BOILER BoilerNo HoursRun pH StackTemp SAFETY DERRICK CONNECTIONS MEHL 2853 MACP										METRES DRILLED From To D-R-C RPM WOB Hole Drag Up <b>6</b> Down <b>12</b> Torque At Bottom <b>9800</b> Fill On Bottom									

TOUR <b>3</b>		SIGNATURE OF DRILLER <b>Jamie Little</b>		START TIME <b>20:00</b>		END TIME <b>24:00</b>	
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BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG									
Bit Number <b>4</b> Size <b>159</b> IADC Code Manufacturer <b>REED</b> Type <b>SK513M-E1</b> Serial No <b>A233234</b> Jms <b>8.7 8.7 8.7</b> Depth Out (m) <b>3111.00</b> Depth In (m) <b>2437.00</b> Total Drilled (m) <b>674.00</b> Hrs Run Today <b>2.50</b> Cumulative Hrs Run <b>10.50</b> Entry Date <b>17-Apr-2017</b>										No. <b>1</b> Component <b>159MM BIT</b> OD <b>159</b> ID <b>1</b> Length <b>1.020</b> 1 5" MTR 67, 8 STG, 1.75" 123 1 9.17 1 4.75 SLIDE REAMER 156 57 1.42 1 4.75" NON WAG FLEX MONEL 120 69 9.26 1 5" GAP SUB 118 69 1.68 3 4.75" NON WAG FLEX MONEL 120 69 27.72 1 X/O SUB 130 62 0.80 1 5.8" HYDMECH JARS 133 57 5.19 1 X/O SUB 130 62 0.80 1 4.5 HWDP 114 73 9.34 151 4.5" PT43 DP 114 91 1.42 1 PT43 X/O SUB 133 58 0.81 1 AGITATOR 135 68 5.79 0 Drill Pipe Stands <b>0.00</b> 0 Drill Pipe Singles <b>0.00</b>										Mud Type <input type="checkbox"/> Water <input checked="" type="checkbox"/> Oil Other <input type="checkbox"/> Time Density Funnel Viscosity Fluid Loss pH Location Of Sample Depth PVT Circulation Pump # Type Liner Size SPM Pressure Hrs Run <b>1 SINGLE 127 115 20500 4.00</b>										Time Depth Deviation Direction Type 23:45 3070.24 88.90 299.6 DIRECTIONAL 23:45 3070.24 88.90 299.6 DIRECTIONAL 23:45 3070.24 88.90 299.6 DIRECTIONAL										From To Elapsed Code Details Of Operations In Sequence & Remarks Remarks FCN CROWN SAVER TDCWS H/L STOPS AND LIMITS V.I. TONGS AND LINES, SLIPS AND DIES, DOG COLLARS AND IRON ROUGHNECK V.I. DRILL LINE AND ANCHOR, ACCUMULATOR, BOP AND MANIFOLD VALVE ALIGNMENT, FCN FLARE AND REMOTE CHOKES V.I. FLARE AND DEGASSER LINE HD- RAIN & SNOW MIXED COMING DOWN MAKING SLIPPERY SPOTS AROUND RIG									
CUTTING STRUCTURE TO <input type="checkbox"/> Gage MDC <input type="checkbox"/> CUC LOC <input type="checkbox"/> Reason Pulled BSG <input type="checkbox"/> Total Run (in) <b>64.19</b> Weight of String <b>62.00</b>										Kelly Down <b>-5.42</b> Total <b>3111.00</b> Weight of DC Weight of String <b>62.00</b>										OFF BTM. TORQUE 4100FT/LBS REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth <b>1 7100 @ 55 @ 3971.60</b> <b>1 6900 @ 55 @ 3111.60</b>										BOILER BoilerNo HoursRun pH StackTemp SAFETY DERRICK CONNECTIONS MEHL 2898 MACP										METRES DRILLED From To D-R-C RPM WOB Hole Drag Up <b>8</b> Down <b>17</b> Torque At Bottom <b>10800</b> Fill On Bottom									

FRONT PAGE SUMMARY										Tour Sheet Serial Number		Vendor Software Version		Year	Month	Day	DAILY CHECKS										OP RM																																																																																																																																								
License No <b>33114</b> Well Name <b>ARCRES HZ DAWSON F9-21-79-14</b> Operator's # <b>17DR0057</b> Signature of Operator's Representative <b>Sheldon Kashuba</b>										<b>PREC542 20170417 1A</b> Surface Location <b>9-21-79-14 W6</b>		<b>RMS 2016.8.30.38074</b> Prox <b>BC</b>		Loc Type <b>DLS</b>		Unique Well Id <b>102/11-29-079-14W6/00</b>		(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) HOS Signs Posted if Required (4) Well Licence & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines (1) Rig Site Health & Safety Meeting (one/crow/month) (2) CADC Rig Safety Inspection Checklist (weekly/monthly) (3) Mast Inspection before Raising or Lowering (4) Crown Saver Checked (5) Mast Vibs Checked										SK TT SK TT SK TT SK TT SK TT SK TT TT TT TT																																																																																																																																							
Contractor <b>Precision Drilling, div of PDC</b> Contractor's Job No <b>65</b> Signature of Contractor's Rig Manager <b>Travis Turko</b>										Spud Date Time <b>11-Apr-2017</b>		Rig Release Date Time <b>13:45</b>																																																																																																																																																							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Code</th> <th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th><th>12</th><th>13</th><th>14</th><th>15</th><th>16</th><th>17</th><th>18</th><th>19</th><th>20</th><th>21</th><th>22</th><th>23</th><th>24</th><th>25</th> <th>6</th> <th>Top Fuel</th> </tr> </thead> <tbody> <tr> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">HOURS</td> <td>Tour 1</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>8.00</td> <td>32754</td> </tr> <tr> <td>Tour 2</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>12.00</td> <td>05:45</td> </tr> <tr> <td>Tour 3</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>4.00</td> <td>-1</td> </tr> <tr> <td>TOTAL</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>24.00</td> <td></td> </tr> </tbody> </table>																									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	6	Top Fuel	HOURS	Tour 1																									8.00	32754	Tour 2																									12.00	05:45	Tour 3																									4.00	-1	TOTAL																									24.00		FUEL @ 08:00 HRS <b>0</b>	
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	6	Top Fuel																																																																																																																																								
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Signature of Driller <b>Jamie Little</b>																									START TIME <b>0:00</b>		END TIME <b>8:00</b>																																																																																																																																								

TOUR 1										TOUR 2										TOUR 3										TOUR 4									
Signature of Driller <b>Jamie Little</b>										Signature of Driller <b>Brody Olesen</b>										Signature of Driller <b>Jamie Little</b>										Signature of Driller <b>Jamie Little</b>									
START TIME <b>0:00</b>										START TIME <b>8:00</b>										START TIME <b>20:00</b>										START TIME <b>24:00</b>									
END TIME <b>8:00</b>										END TIME <b>20:00</b>										END TIME <b>24:00</b>										END TIME <b>24:00</b>									

TOUR 1										TOUR 2										TOUR 3										TOUR 4									
Signature of Driller <b>Jamie Little</b>										Signature of Driller <b>Brody Olesen</b>										Signature of Driller <b>Jamie Little</b>										Signature of Driller <b>Jamie Little</b>									
START TIME <b>0:00</b>										START TIME <b>8:00</b>										START TIME <b>20:00</b>										START TIME <b>24:00</b>									
END TIME <b>8:00</b>										END TIME <b>20:00</b>										END TIME <b>24:00</b>										END TIME <b>24:00</b>									

TOUR 1										TOUR 2										TOUR 3										TOUR 4									
Signature of Driller <b>Jamie Little</b>										Signature of Driller <b>Brody Olesen</b>										Signature of Driller <b>Jamie Little</b>										Signature of Driller <b>Jamie Little</b>									
START TIME <b>0:00</b>										START TIME <b>8:00</b>										START TIME <b>20:00</b>										START TIME <b>24:00</b>									
END TIME <b>8:00</b>										END TIME <b>20:00</b>										END TIME <b>24:00</b>										END TIME <b>24:00</b>									









FRONT PAGE SUMMARY															Tour Sheet Serial Number		Vendor Software Version		Year	Month	Day	DAILY CHECKS										OP RM	
License No 33114 Well Name ARCRCRES HZ DAWSON F9-21-79-14															PREC542 20170417 1A		RMS 2016.8.30.38074		2017	04	17	(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) HOS Signs Posted if Required (4) Well Licence & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines (8) Rig Site Health & Safety Meeting (one/crew/month) (9) CADC Rig Safety Inspection Checklist (weekly/monthly) (10) Mast Inspection before Raising or Lowering (11) Crown Saver Checked (12) Motor Vibs Checked										SK TT SK TT SK TT SK TT SK TT SK TT TT TT TT	
Contractor Precision Drilling, div of PDC															Prox BC		Loc Type DLS		Unique Well Id 102/11-29-079-14W6/00		Rig No 542		Well Type HORIZ		Re Entry								
Company Job No 65															Spud Date Time 11-Apr-2017		13:45																
Signature of Operator's Representative Sheldon Kashuba															Signature of Contractor's Rig Manager Travis Turko																		
HOURS	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	FUEL @ 08:00 HRS						
	Rig Up																										32754						
	Tour 1	0.50						5.50	0.25		0.50										0.25	1.00					05:45						
	Tour 2	7.50						0.25													4.00	0.25					12:00						
	Tour 3	2.50						0.25													1.25						4.00						
TOTAL	10.50						5.50	0.75		0.50										5.50	1.25						24.00						
TOUR 1		SIGNATURE OF DRILLER Jamie Little															START TIME 0:00		END TIME 8:00														
BITS		Drilling Assembly		Mud Record		Deviation Surveys		Time Log																									
Bit Number 4 Size 159 IADC Code REED Manufacturer SK513M-E1 Type A233234 Serial No 8.7 8.7 8.7 Jms 8.7 8.7 Depth Out (m) 2472.00 Depth In (m) 2437.00 Total Drilled (m) 35.00 Hrs Run Today 0.50 Cumulative Hrs Run 0.50 Entry Date 17-Apr-2017		No Component OD ID Length 1 159MM BIT 159 1 0.20 1 5" MTR 67, 8 STG, 1.75" 123 1 9.17 1 4.75 SLIDE REAMER 156 57 1.42 1 4.75 NON WAG FLEX MONEL 120 69 9.26 1 5" GAP SUB 118 69 1.68 3 4.75 NON WAG FLEX MONEL 120 69 27.72 1 X/O SUB 130 62 0.80 1 5.8" HYDMECH JARS 133 57 5.19 1 X/O SUB 130 62 0.80 1 4.5 HWDP 114 73 9.34 151 4.5" PT43 DP 114 91 1.42 1 PT43 X/O SUB 133 58 0.81 1 AGITATOR 135 68 5.79 0 Drill Pipe 0.00 0 Drill Pipe 0.00		Mud Type Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/> Time Density Funnel Viscosity Fluid Loss pH Location Of Sample Depth PVT Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 115 21000 2.00		Time Depth Deviation Direction Type 19:30 2869.40 89.30 299.1 DIRECTIONAL		Details Of Operations In Sequence & Remarks Remarks FCN CROWN SAVER TDCWS H/L STOPS AND LIMITS V.I. TONGS AND LINES, SLIPS AND DIES, DOG COLLARS AND IRON ROUGHNECK V.I. DRILL LINE AND ANCHOR, ACCUMULATOR, BOP AND MANIFOLD VALVE ALIGNMENT, FCN FLARE AND REMOTE CHOKES V.I. FLARE AND DEGASSER LINE																									
CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		BOILER		SAFETY																									
Kelly Down -13.19 Total 2472.00 Weight of DC 70.00 Weight of String 61.00		Hole Drag Up 6 Down 12 Torque At Bottom 8000 Fill On Bottom		Pump # Pressure Strokes/min Depth 1 5400 @ 55 @ 1207.60 1 6200 @ 55 @ 1822.60 1 7700 @ 55 @ 2203.60		BoilerNo HoursRun pH StackTemp		Handling Dir. Tools 2853 MEHL MACP																									
TOUR 2		SIGNATURE OF DRILLER Brody Olesen															START TIME 8:00		END TIME 20:00														
BITS		Drilling Assembly		Mud Record		Deviation Surveys		Time Log																									
Bit Number 4 Size 159 IADC Code REED Manufacturer SK513M-E1 Type A233234 Serial No 8.7 8.7 8.7 Jms 8.7 8.7 Depth Out (m) 2915.00 Depth In (m) 2437.00 Total Drilled (m) 478.00 Hrs Run Today 7.50 Cumulative Hrs Run 8.00 Entry Date 17-Apr-2017		No Component OD ID Length 1 159MM BIT 159 1 0.20 1 5" MTR 67, 8 STG, 1.75" 123 1 9.17 1 4.75 SLIDE REAMER 156 57 1.42 1 4.75 NON WAG FLEX MONEL 120 69 9.26 1 5" GAP SUB 118 69 1.68 3 4.75 NON WAG FLEX MONEL 120 69 27.72 1 X/O SUB 130 62 0.80 1 5.8" HYDMECH JARS 133 57 5.19 1 X/O SUB 130 62 0.80 1 4.5 HWDP 114 73 9.34 151 4.5" PT43 DP 114 91 1.42 1 PT43 X/O SUB 133 58 0.81 1 AGITATOR 135 68 5.79 0 Drill Pipe 0.00 0 Drill Pipe 0.00		Mud Type Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/> Time Density Funnel Viscosity Fluid Loss pH Location Of Sample Depth PVT Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 115 21000 12.00		Time Depth Deviation Direction Type 19:30 2869.40 89.30 299.1 DIRECTIONAL		Details Of Operations In Sequence & Remarks Remarks FCN CROWN SAVER TDCWS H/L STOPS AND LIMITS V.I. TONGS AND LINES, SLIPS AND DIES, DOG COLLARS AND IRON ROUGHNECK V.I. DRILL LINE AND ANCHOR, ACCUMULATOR, BOP AND MANIFOLD VALVE ALIGNMENT, FCN FLARE AND REMOTE CHOKES V.I. FLARE AND DEGASSER LINE H/D - 6FT STEP LADDER LEANING ON HAND RAIL BY LER POTENTIAL TO FALL OFF																									
CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		BOILER		SAFETY																									
Kelly Down -0.60 Total 2915.00 Weight of DC 59.75 Weight of String 62.00		Hole Drag Up 6 Down 12 Torque At Bottom 9800 Fill On Bottom		Pump # Pressure Strokes/min Depth 1 6900 @ 55 @ 2599.60 1 6950 @ 55 @ 2741.60 1 7100 @ 55 @ 2743.60		BoilerNo HoursRun pH StackTemp		Handling Dir. Tools 2853 MEHL MACP																									
TOUR 3		SIGNATURE OF DRILLER Jamie Little															START TIME 20:00		END TIME 24:00														
BITS		Drilling Assembly		Mud Record		Deviation Surveys		Time Log																									
Bit Number 4 Size 159 IADC Code REED Manufacturer SK513M-E1 Type A233234 Serial No 8.7 8.7 8.7 Jms 8.7 8.7 Depth Out (m) 3111.00 Depth In (m) 2437.00 Total Drilled (m) 674.00 Hrs Run Today 2.50 Cumulative Hrs Run 10.50 Entry Date 17-Apr-2017		No Component OD ID Length 1 159MM BIT 159 1 0.20 1 5" MTR 67, 8 STG, 1.75" 123 1 9.17 1 4.75 SLIDE REAMER 156 57 1.42 1 4.75 NON WAG FLEX MONEL 120 69 9.26 1 5" GAP SUB 118 69 1.68 3 4.75 NON WAG FLEX MONEL 120 69 27.72 1 X/O SUB 130 62 0.80 1 5.8" HYDMECH JARS 133 57 5.19 1 X/O SUB 130 62 0.80 1 4.5 HWDP 114 73 9.34 151 4.5" PT43 DP 114 91 1.42 1 PT43 X/O SUB 133 58 0.81 1 AGITATOR 135 68 5.79 0 Drill Pipe 0.00 0 Drill Pipe 0.00		Mud Type Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/> Time Density Funnel Viscosity Fluid Loss pH Location Of Sample Depth PVT Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 115 20500 4.00		Time Depth Deviation Direction Type 4.00 1200 1130 1840 0.00 0 0 0		Details Of Operations In Sequence & Remarks Remarks FCN CROWN SAVER TDCWS H/L STOPS AND LIMITS V.I. TONGS AND LINES, SLIPS AND DIES, DOG COLLARS AND IRON ROUGHNECK V.I. DRILL LINE AND ANCHOR, ACCUMULATOR, BOP AND MANIFOLD VALVE ALIGNMENT, FCN FLARE AND REMOTE CHOKES V.I. FLARE AND DEGASSER LINE H/D- RAIN & SNOW MIXED COMING DOWN MAKING SLIPPERY SPOTS AROUND RIG																									
CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		BOILER		SAFETY																									
Kelly Down -5.42 Total 3111.00 Weight of DC 64.19 Weight of String 62.00		Hole Drag Up 8 Down 17 Torque At Bottom 10800 Fill On Bottom		Pump # Pressure Strokes/min Depth 1 7100 @ 55 @ 2971.60 1 6900 @ 55 @ 3111.60		BoilerNo HoursRun pH StackTemp		Handling Dir. Tools 2898 MEHL MACP																									

FRONT PAGE SUMMARY										Tour Sheet Serial Number		Vendor Software Version		Year	Month	Day	DAILY CHECKS										OP RM																																																																																																																																										
PREC452 20170418 1A										RMS 2016.8.30.38074		2017	04	18	(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) HOS Signs Posted if Required (4) Well License & Stick Diagram Posted (5) Flare Lines Sealed (6) BOP Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines (8) Rig Site Health & Safety Meeting (once/week/month) (9) CADC Rig Safety Inspection Checklist (weekly/monthly) (10) Master Inspection before Raising or Lowering (11) Crown Saver Checked (12) Motor Vibs Checked										SK TT SK TT SK TT SK TT SK TT SK TT TT TT TT																																																																																																																																												
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Sheldon Kashuba										Travis Turko																																																																																																																																																											
<table border="1"> <thead> <tr> <th>Code</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> <th>11</th> <th>12</th> <th>13</th> <th>14</th> <th>15</th> <th>16</th> <th>17</th> <th>18</th> <th>19</th> <th>20</th> <th>21</th> <th>22</th> <th>23</th> <th>24</th> <th>25</th> <th>TOTAL</th> <th>FUEL @ 08:00 HRS</th> </tr> </thead> <tbody> <tr> <td>Tour 1</td> <td></td> <td>5.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.25</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2.50</td> <td>0.25</td> <td></td> <td></td> <td></td> <td></td> <td>8.00</td> <td>27296</td> </tr> <tr> <td>Tour 2</td> <td></td> <td>7.50</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.25</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.25</td> <td></td> <td></td> <td></td> <td></td> <td>3.50</td> <td>0.50</td> <td></td> <td></td> <td></td> <td></td> <td>12.00</td> <td>05:45</td> </tr> <tr> <td>Tour 3</td> <td></td> <td>2.50</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.25</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.25</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4.00</td> <td>05:45</td> </tr> <tr> <td>TOTAL</td> <td></td> <td>15.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.75</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.25</td> <td></td> <td></td> <td></td> <td></td> <td>7.25</td> <td>0.75</td> <td></td> <td></td> <td></td> <td></td> <td>24.00</td> <td>05:45</td> </tr> </tbody> </table>																										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	TOTAL	FUEL @ 08:00 HRS	Tour 1		5.00						0.25												2.50	0.25					8.00	27296	Tour 2		7.50						0.25							0.25					3.50	0.50					12.00	05:45	Tour 3		2.50						0.25												1.25						4.00	05:45	TOTAL		15.00						0.75							0.25					7.25	0.75					24.00	05:45
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<b>CUTTING STRUCTURE</b> TO Gage MDC LOC BRG 61.68										<b>HOLE CONDITION</b> Hole Drag Up 8 Down 18 Torque At Bottom 11200 Fill On Bottom										<b>REDUCED PUMP SPEED</b> Pump # Pressure Strokes/min Depth 1 6800 @ 55 @ 3250.00 1 7100 @ 55 @ 3339.00										<b>BOILER</b> BoilerNo HoursRun pH StackTemp 1 0.00 10.5 0 2 8.00 10.5 320										Remarks FCN CROWN SAVER TDCWS H/L STOPS AND LIMITS V.I. TONGS AND LINES, SLIPS AND DIES, DOG COLLARS AND IRON ROUGHNECK V.I. DRILL LINE AND ANCHOR, ACCUMULATOR, BOP AND MANIFOLD VALVE ALIGNMENT, FCN FLARE AND REMOTE CHOKES V.I. FLARE AND DEGASSER LINE OBS - HAND USING HIS FOOT TO TRY AND SET SLIPS SAFETY Safety Topic MEHL MACP 2898																																																																																																																													
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<b>CUTTING STRUCTURE</b> TO Gage MDC LOC BRG 55.48										<b>HOLE CONDITION</b> Hole Drag Up 11 Down 21 Torque At Bottom 11600 Fill On Bottom										<b>REDUCED PUMP SPEED</b> Pump # Pressure Strokes/min Depth 1 7000 @ 55 @ 3476.00 1 7100 @ 55 @ 3525.00										<b>BOILER</b> BoilerNo HoursRun pH StackTemp 1 0.00 10.5 0 2 12.00 10.5 320										Remarks FCN CROWN SAVER TDCWS H/L STOPS AND LIMITS V.I. TONGS AND LINES, SLIPS AND DIES, DOG COLLARS AND IRON ROUGHNECK V.I. DRILL LINE AND ANCHOR, ACCUMULATOR, BOP AND MANIFOLD VALVE ALIGNMENT, FCN FLARE AND REMOTE CHOKES V.I. FLARE AND DEGASSER LINE OBS - PROPER LOCKOUTS WHILE SERVICING IRON ROUGHNECK SAFETY Safety Topic MEHL MACP 2898																																																																																																																													
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<b>CUTTING STRUCTURE</b> TO Gage MDC LOC BRG 55.41										<b>HOLE CONDITION</b> Hole Drag Up 11 Down 22 Torque At Bottom 12500 Fill On Bottom										<b>REDUCED PUMP SPEED</b> Pump # Pressure Strokes/min Depth 2 7700 @ 55 @ 3755.00										<b>BOILER</b> BoilerNo HoursRun pH StackTemp 1 0.00 10.5 0 2 4.00 10.5 320										Remarks FCN CROWN SAVER TDCWS H/L STOPS AND LIMITS V.I. TONGS AND LINES, SLIPS AND DIES, DOG COLLARS AND IRON ROUGHNECK V.I. DRILL LINE AND ANCHOR, ACCUMULATOR, BOP AND MANIFOLD VALVE ALIGNMENT, FCN FLARE AND REMOTE CHOKES V.I. FLARE AND DEGASSER LINE H/D - ICE AROUND LER BUILDING MAKING A SLIP HAZARD SAFETY Safety Topic MEHL MACP 2853																																																																																																																													









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License No: 33114    Well Name: ARCRCES HZ DAWSON F9-21-79-14 Operator's #55: 17DR0057 Signature of Operator's Representative: Sheldon Kashuba										PREC542 20170418 1A Surface Location: 9-21-79-14 W6 Contractor: Precision Drilling, div of PDC Company's Job No: 65 Signature of Contractor's Rig Manager: Travis Turko		BC Run Card: 542 Well Type: DLS Re Entry: <input type="checkbox"/>		RMS 2016.8.30.38074 Unique Well ID: 102/11-29-079-14W6/00 Spool Date Time: 11-Apr-2017 Rig Release Date Time: 13:45		(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) HOS Signs Posted if Required (4) Well Licence & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines (1) Rig Site Health & Safety Meeting (once/week/month) (2) CADC Rig Safety Inspection Checklist (weekly/monthly) (3) Mast Inspection before Raising or Lowering (4) Crown Saver Checked (5) Motor Vibs Checked										SK TT SK TT SK TT SK TT SK TT SK TT TT TT TT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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1, Pressure 127, Strokes/min 115, Depth 8.00       </td> </tr> <tr> <td colspan="10">         SOLIDS CONTROL: Centrifuge #1 8.00, Intake Density 1200, Over Flow Density 1130, Under Flow Density 1840       </td> </tr> <tr> <td colspan="10">         MUD MATERIALS ADDED: Product, Amount, Type       </td> </tr> <tr> <td colspan="10">         BOILER: BoilerNo, HoursRun, pH, StackTemp       </td> </tr> <tr> <td colspan="10">         SAFETY: Safety Topic, MEHL, MACP       </td> </tr> <tr> <td colspan="10">         USING STEAM: 2898       </td> </tr> <tr> <td colspan="10">         TOUR 2    SIGNATURE OF DRILLER: Brody Olesen    START TIME: 8:00    END TIME: 20:00       </td> </tr> <tr> <td colspan="10"> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">BITS</th> <th colspan="2">DRILLING ASSEMBLY</th> <th colspan="2">MUD RECORD</th> <th colspan="2">DEVIATION SURVEYS</th> <th colspan="2">TIME LOG</th> </tr> </thead> <tbody> <tr> <td>Bit Number: 4</td> <td>Size: 159</td> <td>No: 1</td> <td>Component: 159MM BIT</td> <td>OD: 159</td> <td>ID: 120</td> <td>Mud Type: Water</td> <td>Other: <input type="checkbox"/></td> <td>Time: 1</td> <td>8:17</td> </tr> <tr> <td>IADC Code: REED</td> <td>Manufacturer: SK513M-E1</td> <td>No: 1</td> <td>Component: 4.75 SLIDE REAMER</td> <td>OD: 159</td> <td>ID: 120</td> <td>Time: 1</td> <td>8:17</td> <td></td> <td></td> </tr> <tr> <td>Serial No: A233234</td> <td>Type: 1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 4.75" NON WAG FLEX MONEL</td> <td>OD: 120</td> <td>ID: 69</td> <td>Density: 1.42</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Jts: 8.7, 8.7, 8.7</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 4.75" NON WAG FLEX MONEL</td> <td>OD: 118</td> <td>ID: 69</td> <td>Funnel Viscosity: 9.26</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Depth Out (m): 3713.00</td> <td>1.5" GAP SUB</td> <td>No: 3</td> <td>Component: 4.75" NON WAG FLEX MONEL</td> <td>OD: 120</td> <td>ID: 69</td> <td>Fluid Loss: 1.68</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Depth In (m): 2437.00</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>pH: 7.77</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total Drilled (m): 1276.00</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>Location Of Sample: 0.80</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hrs Run Today: 7.50</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>Depth: 5.19</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Cumulative Hrs Run: 23.00</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>PVT: 5.19</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Entry Date: 17-Apr-2017</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>Circulation: 73.934</td> <td></td> <td></td> <td></td> </tr> <tr> <td>CUTTING STRUCTURE</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>Pump # 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1	Pressure: 127	Strokes/min: 115	Depth: 2.00	TO: 55.41	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	TO: 55.41				LOC: 55.41	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	LOC: 55.41				BRG: 55.41	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	BRG: 55.41				METRES DRILLED	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	METRES DRILLED				From: 0	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	From: 0				To: 0	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	To: 0				D-R-C: 0	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	D-R-C: 0				RPM: 0	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	RPM: 0				WOB: 0	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	WOB: 0				HOLE CONDITION: Hole Drag Up 11, Down 22, Torque At Bottom 12500, Fill On Bottom 12500										REDUCED PUMP SPEED: Pump # 2, Pressure 7700, Strokes/min 55, Depth 3755.00										SOLIDS CONTROL: Centrifuge #1 8.00, Intake Density 1210, Over Flow Density 1160, Under Flow Density 1810										MUD MATERIALS ADDED: Product, Amount, Type										BOILER: BoilerNo, HoursRun, pH, StackTemp										SAFETY: Safety Topic, MEHL, MACP										DERRICK CONNECTIONS: 2853									
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TOUR 2    SIGNATURE OF DRILLER: Brody Olesen    START TIME: 8:00    END TIME: 20:00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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1</td> <td>Pressure: 127</td> <td>Strokes/min: 115</td> <td>Depth: 2.00</td> </tr> <tr> <td>TO: 55.41</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>TO: 55.41</td> <td></td> <td></td> <td></td> </tr> <tr> <td>LOC: 55.41</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>LOC: 55.41</td> <td></td> <td></td> <td></td> </tr> <tr> <td>BRG: 55.41</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>BRG: 55.41</td> <td></td> <td></td> <td></td> </tr> <tr> <td>METRES DRILLED</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>METRES DRILLED</td> <td></td> <td></td> <td></td> </tr> <tr> <td>From: 0</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>From: 0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>To: 0</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>To: 0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>D-R-C: 0</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>D-R-C: 0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>RPM: 0</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>RPM: 0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>WOB: 0</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>WOB: 0</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="10">         HOLE CONDITION: Hole Drag Up 11, Down 22, Torque At Bottom 12500, Fill On Bottom 12500       </td> </tr> <tr> <td colspan="10">         REDUCED PUMP SPEED: Pump # 2, Pressure 7700, Strokes/min 55, Depth 3755.00       </td> </tr> <tr> <td colspan="10">         SOLIDS CONTROL: Centrifuge #1 8.00, Intake Density 1210, Over Flow Density 1160, Under Flow Density 1810       </td> </tr> <tr> <td colspan="10">         MUD MATERIALS ADDED: Product, Amount, Type       </td> </tr> <tr> <td colspan="10">         BOILER: BoilerNo, HoursRun, pH, StackTemp       </td> </tr> <tr> <td colspan="10">         SAFETY: Safety Topic, MEHL, MACP       </td> </tr> <tr> <td colspan="10">         DERRICK CONNECTIONS: 2853       </td> </tr> </tbody> </table>										BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG		Bit Number: 4	Size: 159	No: 1	Component: 159MM BIT	OD: 159	ID: 120	Mud Type: Water	Other: <input type="checkbox"/>	Time: 1	8:17	IADC Code: REED	Manufacturer: SK513M-E1	No: 1	Component: 4.75 SLIDE REAMER	OD: 159	ID: 120	Time: 1	8:17			Serial No: A233234	Type: 1.5" GAP SUB	No: 1	Component: 4.75" NON WAG FLEX MONEL	OD: 120	ID: 69	Density: 1.42				Jts: 8.7, 8.7, 8.7	1.5" GAP SUB	No: 1	Component: 4.75" NON WAG FLEX MONEL	OD: 118	ID: 69	Funnel Viscosity: 9.26				Depth Out (m): 3850.00	1.5" GAP SUB	No: 3	Component: 4.75" NON WAG FLEX MONEL	OD: 120	ID: 69	Fluid Loss: 1.68				Depth In (m): 2437.00	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	pH: 7.77				Total Drilled (m): 1413.00	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	Location Of Sample: 0.80				Hrs Run Today: 2.50	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	Depth: 5.19				Cumulative Hrs Run: 25.50	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	PVT: 5.19				Entry Date: 17-Apr-2017	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	Circulation: 73.934				CUTTING STRUCTURE	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	Pump # 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<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">BITS</th> <th colspan="2">DRILLING ASSEMBLY</th> <th colspan="2">MUD RECORD</th> <th colspan="2">DEVIATION SURVEYS</th> <th colspan="2">TIME LOG</th> </tr> </thead> <tbody> <tr> <td>Bit Number: 4</td> <td>Size: 159</td> <td>No: 1</td> <td>Component: 159MM BIT</td> <td>OD: 159</td> <td>ID: 120</td> <td>Mud Type: Water</td> <td>Other: <input type="checkbox"/></td> <td>Time: 1</td> <td>8:17</td> </tr> <tr> <td>IADC Code: REED</td> <td>Manufacturer: SK513M-E1</td> <td>No: 1</td> <td>Component: 4.75 SLIDE REAMER</td> <td>OD: 159</td> <td>ID: 120</td> <td>Time: 1</td> <td>8:17</td> <td></td> <td></td> </tr> <tr> <td>Serial No: A233234</td> <td>Type: 1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 4.75" NON WAG FLEX MONEL</td> <td>OD: 120</td> <td>ID: 69</td> <td>Density: 1.42</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Jts: 8.7, 8.7, 8.7</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 4.75" NON WAG FLEX MONEL</td> <td>OD: 118</td> <td>ID: 69</td> <td>Funnel Viscosity: 9.26</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Depth Out (m): 3850.00</td> <td>1.5" GAP SUB</td> <td>No: 3</td> <td>Component: 4.75" NON WAG FLEX MONEL</td> <td>OD: 120</td> <td>ID: 69</td> <td>Fluid Loss: 1.68</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Depth In (m): 2437.00</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>pH: 7.77</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total Drilled (m): 1413.00</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>Location Of Sample: 0.80</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hrs Run Today: 2.50</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>Depth: 5.19</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Cumulative Hrs Run: 25.50</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>PVT: 5.19</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Entry Date: 17-Apr-2017</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>Circulation: 73.934</td> <td></td> <td></td> <td></td> </tr> <tr> <td>CUTTING STRUCTURE</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>Pump # 1</td> <td>Pressure: 127</td> <td>Strokes/min: 115</td> <td>Depth: 2.00</td> </tr> <tr> <td>TO: 55.41</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>TO: 55.41</td> <td></td> <td></td> <td></td> </tr> <tr> <td>LOC: 55.41</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>LOC: 55.41</td> <td></td> <td></td> <td></td> </tr> <tr> <td>BRG: 55.41</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>BRG: 55.41</td> <td></td> <td></td> <td></td> </tr> <tr> <td>METRES DRILLED</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>METRES DRILLED</td> <td></td> <td></td> <td></td> </tr> <tr> <td>From: 0</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>From: 0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>To: 0</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>To: 0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>D-R-C: 0</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>D-R-C: 0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>RPM: 0</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>RPM: 0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>WOB: 0</td> <td>1.5" GAP SUB</td> <td>No: 1</td> <td>Component: 1 X/O SUB</td> <td>OD: 130</td> <td>ID: 62</td> <td>WOB: 0</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="10">         HOLE CONDITION: Hole Drag Up 11, Down 22, Torque At Bottom 12500, Fill On Bottom 12500       </td> </tr> <tr> <td colspan="10">         REDUCED PUMP SPEED: Pump # 2, Pressure 7700, Strokes/min 55, Depth 3755.00       </td> </tr> <tr> <td colspan="10">         SOLIDS CONTROL: Centrifuge #1 8.00, Intake Density 1210, Over Flow Density 1160, Under Flow Density 1810       </td> </tr> <tr> <td colspan="10">         MUD MATERIALS ADDED: Product, Amount, Type       </td> </tr> <tr> <td colspan="10">         BOILER: BoilerNo, HoursRun, pH, StackTemp       </td> </tr> <tr> <td colspan="10">         SAFETY: Safety Topic, MEHL, MACP       </td> </tr> <tr> <td colspan="10">         DERRICK CONNECTIONS: 2853       </td> </tr> </tbody> </table>										BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG		Bit Number: 4	Size: 159	No: 1	Component: 159MM BIT	OD: 159	ID: 120	Mud Type: Water	Other: <input type="checkbox"/>	Time: 1	8:17	IADC Code: REED	Manufacturer: SK513M-E1	No: 1	Component: 4.75 SLIDE REAMER	OD: 159	ID: 120	Time: 1	8:17			Serial No: A233234	Type: 1.5" GAP SUB	No: 1	Component: 4.75" NON WAG FLEX MONEL	OD: 120	ID: 69	Density: 1.42				Jts: 8.7, 8.7, 8.7	1.5" GAP SUB	No: 1	Component: 4.75" NON WAG FLEX MONEL	OD: 118	ID: 69	Funnel Viscosity: 9.26				Depth Out (m): 3850.00	1.5" GAP SUB	No: 3	Component: 4.75" NON WAG FLEX MONEL	OD: 120	ID: 69	Fluid Loss: 1.68				Depth In (m): 2437.00	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	pH: 7.77				Total Drilled (m): 1413.00	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	Location Of Sample: 0.80				Hrs Run Today: 2.50	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	Depth: 5.19				Cumulative Hrs Run: 25.50	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	PVT: 5.19				Entry Date: 17-Apr-2017	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	Circulation: 73.934				CUTTING STRUCTURE	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	Pump # 1	Pressure: 127	Strokes/min: 115	Depth: 2.00	TO: 55.41	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	TO: 55.41				LOC: 55.41	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	LOC: 55.41				BRG: 55.41	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	BRG: 55.41				METRES DRILLED	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	METRES DRILLED				From: 0	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	From: 0				To: 0	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	To: 0				D-R-C: 0	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	D-R-C: 0				RPM: 0	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	RPM: 0				WOB: 0	1.5" GAP SUB	No: 1	Component: 1 X/O SUB	OD: 130	ID: 62	WOB: 0				HOLE CONDITION: Hole Drag Up 11, Down 22, Torque At Bottom 12500, Fill On Bottom 12500										REDUCED PUMP SPEED: Pump # 2, Pressure 7700, Strokes/min 55, Depth 3755.00										SOLIDS CONTROL: Centrifuge #1 8.00, Intake Density 1210, Over Flow Density 1160, Under Flow Density 1810										MUD MATERIALS ADDED: Product, Amount, Type										BOILER: BoilerNo, HoursRun, pH, StackTemp										SAFETY: Safety Topic, MEHL, MACP										DERRICK CONNECTIONS: 2853																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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HOLE CONDITION: Hole Drag Up 11, Down 22, Torque At Bottom 12500, Fill On Bottom 12500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
REDUCED PUMP SPEED: Pump # 2, Pressure 7700, Strokes/min 55, Depth 3755.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
SOLIDS CONTROL: Centrifuge #1 8.00, Intake Density 1210, Over Flow Density 1160, Under Flow Density 1810																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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BOILER: BoilerNo, HoursRun, pH, StackTemp																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
SAFETY: Safety Topic, MEHL, MACP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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FRONT PAGE SUMMARY										Tour Sheet Serial Number		Vendor Software Version		Year	Month	Day	DAILY CHECKS										OP RM																						
License No <b>33114</b> Well Name <b>ARCRES HZ DAWSON F9-21-79-14</b> Contractor <b>Precision Drilling, div of PDC</b> Company Job No <b>65</b> Signature of Operator's Representative <b>Sheldon Kashuba</b> Signature of Contractor's Rig Manager <b>Travis Turko</b>										<b>PREC542 20170419 1A</b> Surface Location <b>9-21-79-14 W6</b>		<b>RMS 2016.8.30.38074</b> Prov <b>BC</b> Loc Type <b>DLS</b> Unique Well ID <b>102111-29-079-14W6/00</b>		2017	04	19	(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) H2S Signs Posted if Required (4) Well Licence & Stick Diagram Posted (5) Flare Lines Scaled (6) BOP Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines (1) Rig Site Health & Safety Meeting (one/crow/month) (2) CADC Rig Safety Inspection Checklist (weekly/monthly) (3) Mast Inspection before Raising or Lowering (4) Crown Saver Checked (5) Motor Vibs Checked										SK TT SK TT SK TT SK TT SK TT SK TT TT TT																						
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 String 6 Top Fuel 3676		FUEL @ 08:00 HRS 23620 0		Time 05:45 Temp -7 Wind Direction SE Wind Strength UP TO 19 KM/H Road Condition GOOD		WEATHER PARTLY CLOUDY																																	
TOUR <b>1</b> SIGNATURE OF DRILLER <b>Jamie Little</b>										START TIME <b>0:00</b> END TIME <b>8:00</b>																																							
<b>BITS</b> Bit Number <b>4</b> Size <b>159</b> IADC Code Manufacturer <b>REED</b> Type <b>SK513M-E1</b> Serial No <b>A233234</b> Jms <b>8.7 8.7 8.7</b> Depth Out (m) <b>4060.00</b> Depth In (m) <b>2437.00</b> Total Drilled (m) <b>1623.00</b> Hrs Run Today <b>5.25</b> Cumulative Hrs Run <b>30.75</b> Entry Date <b>17-Apr-2017</b>										<b>DRILLING ASSEMBLY</b> No Component OD ID Length 1 159MM BIT 159 1 0.20 5" MTR 67, 8 STD, 1.75" 123 1 8.17 1 4.75 SLIDE REAMER 156 57 1.42 1 4.75" NON WAG FLEX MONEL 120 69 9.26 1 5" GAP SUB 118 69 1.68 3 4.75" NON WAG FLEX MONEL 120 69 27.72 1 X/O SUB 130 62 0.80 1 5.8" HYDMECH JARS 133 57 5.19 1 X/O SUB 130 62 0.80 1 4.5 HWDP 114 73 9.34 151 4.5" PT43 DP 114 91 1.42 1 PT43 X/O SUB 133 58 0.81 1 AGITATOR 135 68 5.79 21 Drill Pipe Stands 602.24 0 Drill Pipe Singles 0.00 Kelly Casing -19.67 Total 4060.00 Weight of DC Weight of String 65.00										<b>MUD RECORD</b> Mud Type Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Time 06:00 Density 1200 Funnel Viscosity 56 Fluid Loss pH Location Of Sample TROUGH Depth 4045.00 PVT 52.3 Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 115 25600 3.00 1 SINGLE 127 115 25600 5.00										<b>DEVIATION SURVEYS</b> Time Depth Deviation Direction Type 05:15 4004.89 91.10 300.8 06:30 4033.51 91.20 298.5 07:30 4033.08 90.70 300.8 <b>SOLIDS CONTROL</b> Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density Centrifuge #1 8.00 1210 1150 1840 Centrifuge #2 0.00 0 0 0 <b>MUD MATERIALS ADDED</b> Product Amount Type										<b>TIME LOG</b> From To Elapsed Code Details Of Operations In Sequence & Remarks Remarks FCN CROWN SAVER TDCWS H/L STOPS AND LIMITS V.I. TONGS AND LINES, SLIPS AND DIES, DOG COLLARS AND IRON ROUGHNECK V.I. DRILL LINE AND ANCHOR, ACCUMULATOR, BOP AND MANIFOLD VALVE ALIGNMENT, FCN FLARE AND REMOTE CHOKES V.I. FLARE AND DEGASSER LINE									
<b>CUTTING STRUCTURE</b> TO 3 MDL 8 LOC RO BRG S Weight of DC Weight of String										<b>HOLE CONDITION</b> Hole Drag Up 13 Down 23 Torque At Bottom 12500 Fill On Bottom										<b>REDUCED PUMP SPEED</b> Pump # Pressure Strokes/min Depth 1 7800 @ 55 @ 3900.00 1 8200 @ 55 @ 4049.00										<b>BOILER</b> BoilerNo HoursRun pH StackTemp SAFETY Working With Steam Safety Topic MEHL 2898 MACP																			
TOUR <b>2</b> SIGNATURE OF DRILLER <b>Brody Olesen</b>										START TIME <b>8:00</b> END TIME <b>20:00</b>																																							
<b>BITS</b> Bit Number <b>5</b> Size <b>159</b> IADC Code Manufacturer <b>REED</b> Type <b>SK513M-E1</b> Serial No <b>A233235</b> Jms <b>8.7 8.7 8.7</b> Depth Out (m) <b>4060.00</b> Depth In (m) <b>4060.00</b> Total Drilled (m) <b>0.00</b> Hrs Run Today <b>0.00</b> Cumulative Hrs Run <b>0.00</b> Entry Date <b>19-Apr-2017</b>										<b>DRILLING ASSEMBLY</b> No Component OD ID Length 1 159MM BIT 159 1 0.20 5" MTR 67, 8 STD, 1.75" 123 1 9.09 1 4.75 SLIDE REAMER 156 57 1.42 1 4.75" NON WAG FLEX MONEL 120 69 9.26 1 5" GAP SUB 118 69 1.68 3 4.75" NON WAG FLEX MONEL 120 69 27.72 1 X/O SUB 130 62 0.80 1 5.8" HYDMECH JARS 133 57 5.19 1 X/O SUB 130 62 0.80 1 4.5 HWDP 114 73 9.34 151 4.5" PT43 DP 114 91 1.42 1 PT43 X/O SUB 133 58 0.81 1 AGITATOR 135 68 5.79 21 Drill Pipe Stands 602.24 0 Drill Pipe Singles 0.00 Kelly Casing -19.59 Total 4060.00 Weight of DC Weight of String										<b>MUD RECORD</b> Mud Type Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Time Density Funnel Viscosity Fluid Loss pH Location Of Sample Depth PVT Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 115 24750 1.00										<b>DEVIATION SURVEYS</b> Time Depth Deviation Direction Type <b>SOLIDS CONTROL</b> Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density Centrifuge #1 0.00 0 0 0 <b>MUD MATERIALS ADDED</b> Product Amount Type										<b>TIME LOG</b> From To Elapsed Code Details Of Operations In Sequence & Remarks Remarks FCN CROWN SAVER TDCWS H/L STOPS AND LIMITS V.I. TONGS AND LINES, SLIPS AND DIES, DOG COLLARS AND IRON ROUGHNECK V.I. DRILL LINE AND ANCHOR, ACCUMULATOR, BOP AND MANIFOLD VALVE ALIGNMENT, FCN FLARE AND REMOTE CHOKES V.I. FLARE AND DEGASSER LINE OBS - 3RD PARTY WORKER ON CATWALK WHILE LAYING DOWN MUD MOTOR									
<b>CUTTING STRUCTURE</b> TO 3 MDL 8 LOC RO BRG S Weight of DC Weight of String										<b>HOLE CONDITION</b> Hole Drag Up 13 Down 23 Torque At Bottom Fill On Bottom										<b>REDUCED PUMP SPEED</b> Pump # Pressure Strokes/min Depth 1 8200 @ 55 @ 4049.00										<b>BOILER</b> BoilerNo HoursRun pH StackTemp SAFETY TRIPPING OUT Safety Topic MEHL 2808 MACP																			
TOUR <b>3</b> SIGNATURE OF DRILLER <b>Jamie Little</b>										START TIME <b>20:00</b> END TIME <b>24:00</b>																																							
<b>BITS</b> Bit Number <b>5</b> Size <b>159</b> IADC Code Manufacturer <b>REED</b> Type <b>SK513M-E1</b> Serial No <b>A233235</b> Jms <b>8.7 8.7 8.7</b> Depth Out (m) <b>4081.00</b> Depth In (m) <b>4060.00</b> Total Drilled (m) <b>21.00</b> Hrs Run Today <b>0.50</b> Cumulative Hrs Run <b>0.50</b> Entry Date <b>19-Apr-2017</b>										<b>DRILLING ASSEMBLY</b> No Component OD ID Length 1 159MM BIT 159 1 0.20 5" MTR 67, 8 STD, 1.75" 123 1 9.09 1 4.75 SLIDE REAMER 156 57 1.42 1 4.75" NON WAG FLEX MONEL 120 69 9.26 1 5" GAP SUB 118 69 1.68 3 4.75" NON WAG FLEX MONEL 120 69 27.72 1 X/O SUB 130 62 0.80 1 5.8" HYDMECH JARS 133 57 5.19 1 X/O SUB 130 62 0.80 1 4.5 HWDP 114 73 9.34 151 4.5" PT43 DP 114 91 1.42 1 PT43 X/O SUB 133 58 0.81 1 AGITATOR 135 68 5.79 21 Drill Pipe Stands 602.24 0 Drill Pipe Singles 0.00 Kelly Casing 1.41 Total 4081.00 Weight of DC Weight of String 64.00										<b>MUD RECORD</b> Mud Type Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Time Density Funnel Viscosity Fluid Loss pH Location Of Sample Depth PVT Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 115 31400 1.00										<b>DEVIATION SURVEYS</b> Time Depth Deviation Direction Type <b>SOLIDS CONTROL</b> Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density <b>MUD MATERIALS ADDED</b> Product Amount Type										<b>TIME LOG</b> From To Elapsed Code Details Of Operations In Sequence & Remarks Remarks FCN CROWN SAVER TDCWS H/L STOPS AND LIMITS V.I. TONGS AND LINES, SLIPS AND DIES, DOG COLLARS AND IRON ROUGHNECK V.I. DRILL LINE AND ANCHOR, ACCUMULATOR, BOP AND MANIFOLD VALVE ALIGNMENT, FCN FLARE AND REMOTE CHOKES V.I. FLARE AND DEGASSER LINE									
<b>CUTTING STRUCTURE</b> TO 3 MDL 8 LOC RO BRG S Weight of DC Weight of String										<b>HOLE CONDITION</b> Hole Drag Up 15 Down 25 Torque At Bottom 13100 Fill On Bottom										<b>REDUCED PUMP SPEED</b> Pump # Pressure Strokes/min Depth 1 6700 @ 55 @ 2119.00 1 7900 @ 55 @ 3141.00 1 9000 @ 55 @ 4959.00										<b>BOILER</b> BoilerNo HoursRun pH StackTemp SAFETY TRIPPING IN THE HOLE Safety Topic MEHL 2853 MACP																			











TOUR **1** SIGNATURE OF DRILLER **Jamie Little** START TIME **0:00** END TIME **8:00**

[illegible]

TOUR **2** SIGNATURE OF DRILLER **Brody Olesen** START TIME **8:00** END TIME **20:00**

[illegible]

TOUR	<b>3</b>	SIGNATURE OF DRILLER	<b>Jamie Little</b>			START TIME	<b>20:00</b>	END TIME	<b>24:00</b>
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[illegible]

[illegible]

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FRONT PAGE SUMMARY										Tour Sheet Serial Number		Vendor Software Version		Year		Month		Day		DAILY CHECKS										OP RM																																																																																																																																																								
License No 33114 Well Name ARGRES HZ DAWSON F9-21-79-14										PREC542 20170424 1A		RMS 2016.8.30.38074		2017		04		24		(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) HOS Signs Posted if Required (4) Well Licence & Stick Diagram Posted (5) Flare Lines Sealed (6) BOP Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines (8) Rig Site Health & Safety Meeting (once/week/month) (9) CADC Rig Safety Inspection Checklist (once/week/month) (10) Mast Inspection before Raising or Lowering (11) Crown Block Checked (12) Motor Vibs Checked										TB TT																																																																																																																																																								
Contractor Precision Drilling, div of PDC										BC		DLS		102/11-29-079-14W6/00		542		HORIZ		Re Entry										TB TT																																																																																																																																																								
Contractor's Job No 65										Signature Of Contractor's Rig Manager		11-Apr-2017		13:45		Rig Release Date Time										TT																																																																																																																																																												
Terry Bobocel										Travis Turko		22-Apr-2017		20:00																																																																																																																																																																								
<table><tr><th>Code</th><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th><th>12</th><th>13</th><th>14</th><th>15</th><th>16</th><th>17</th><th>18</th><th>19</th><th>20</th><th>21</th><th>22</th><th>23</th><th>24</th><th>25</th></tr><tr><td></td><td>Rig Up</td><td>Drill Actual</td><td>Reaming</td><td>Coring</td><td>Cond Mud &amp; Circ</td><td>Trips</td><td>Rig Service</td><td>Repair Rig</td><td>Cut Off Drill Line</td><td>Dev Survey</td><td>Wireline Logs</td><td>Run Cag &amp; Cement</td><td>Wait On Cement</td><td>Nipple BOP</td><td>Test BOP</td><td>Drillstem Test</td><td>Plug Back</td><td>Squeeze Cement</td><td>Fishing</td><td>Dr Work</td><td>Safety Meeting</td><td>Tear Down</td><td>Waiting On</td><td>Rig Watch</td><td>Other</td></tr><tr><td>Tour 1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>8.00</td><td></td><td></td><td></td></tr><tr><td>Tour 2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.25</td><td>3.75</td><td></td><td></td><td></td></tr><tr><td>Tour 3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.25</td><td>11.75</td><td></td><td></td><td></td></tr><tr><td>TOTAL</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>																									Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drill Line	Dev Survey	Wireline Logs	Run Cag & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dr Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	Tour 1																						8.00				Tour 2																					0.25	3.75				Tour 3																					0.25	11.75				TOTAL																										FUEL @ 08:00 HRS	
Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25																																																																																																																																																													
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drill Line	Dev Survey	Wireline Logs	Run Cag & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dr Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other																																																																																																																																																													
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TOUR 1 SIGNATURE OF DRILLER Jamie Little										START TIME 0:00										END TIME 8:00				
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BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG									
Bit Number										No Component OD ID Length										Mud Type Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/>										Time Depth Deviation Direction Type										From To Elapsed Code									
Size																																								Details Of Operations In Sequence & Remarks									
IADC Code																																								0:00 8:00 8:00 22 CONTINUE RIGGING OUT									
Manufacturer																																																	
Type																																																	
Serial No																																																	
Jets																																																	
Depth Out (m)																																																	
Depth In (m)																																																	
Total Drilled (m)																																																	
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Entry Date																																																	
CUTTING STRUCTURE										Kelly Casing										Circulation										MUD MATERIALS ADDED										Remarks									
TO										Total										Pump # Type Liner Size SPM Pressure Hrs Run										Product Amount Type																			
MDC										Weight of DC																																							
LOC										Weight of String																																							
BRG																																																	
METRES DRILLED										HOLE CONDITION										REDUCED PUMP SPEED										BOILER										SAFETY									
From To D-R-C RPM WOB										Hole Drag Up Down										Pump # Pressure Strokes/min Depth										BoilerNo HoursRun pH StackTemp										Safety Topic MEHL MACP									
																														1 0.00 10.5 0																			
																														2 0.00 10.5 0																			

TOUR 2 SIGNATURE OF DRILLER Brody Olesen										START TIME 8:00										END TIME 12:00				
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BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG									
Bit Number										No Component OD ID Length										Mud Type Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/>										Time Depth Deviation Direction Type										From To Elapsed Code									
Size																																								Details Of Operations In Sequence & Remarks									
IADC Code																																								8:00 8:15 0.25 21 SAFETY MEETING									
Manufacturer																																								8:15 12:00 3.75 22 FINISH RIGGING OUT.									
Type																																																	
Serial No																																																	
Jets																																																	
Depth Out (m)																																																	
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Total Drilled (m)																																																	
Hrs Run Today																																																	
Cumulative Hrs Run																																																	
Entry Date																																																	
CUTTING STRUCTURE										Kelly Casing										Circulation										MUD MATERIALS ADDED										Remarks									
TO										Total										Pump # Type Liner Size SPM Pressure Hrs Run										Product Amount Type																			
MDC										Weight of DC																																							
LOC										Weight of String																																							
BRG																																																	
METRES DRILLED										HOLE CONDITION										REDUCED PUMP SPEED										BOILER										SAFETY									
From To D-R-C RPM WOB										Hole Drag Up Down										Pump # Pressure Strokes/min Depth										BoilerNo HoursRun pH StackTemp										Safety Topic MEHL MACP									

TOUR 3 SIGNATURE OF DRILLER Travis Turko										START TIME 12:00										END TIME 24:00				
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BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG									
Bit Number										No Component OD ID Length										Mud Type Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/>										Time Depth Deviation Direction Type										From To Elapsed Code									
Size																																								Details Of Operations In Sequence & Remarks									
IADC Code																																																	
Manufacturer																																																	
Type																																																	
Serial No																																																	
Jets																																																	
Depth Out (m)																																																	
Depth In (m)																																																	
Total Drilled (m)																																																	
Hrs Run Today																																																	
Cumulative Hrs Run																																																	
Entry Date																																																	
CUTTING STRUCTURE										Kelly Casing										Circulation										MUD MATERIALS ADDED										Remarks									
TO										Total										Pump # Type Liner Size SPM Pressure Hrs Run										Product Amount Type																			
MDC										Weight of DC																																							
LOC										Weight of String																																							
BRG																																																	
METRES DRILLED										HOLE CONDITION										REDUCED PUMP SPEED										BOILER										SAFETY									
From To D-R-C RPM WOB										Hole Drag Up Down										Pump # Pressure Strokes/min Depth										BoilerNo HoursRun pH StackTemp										Safety Topic MEHL MACP									