

[illegible]

FRONT PAGE SUMMARY										Tour Sheet Serial Number		Vendor Software Version		Year		Month		Day		DAILY CHECKS										OP RM																																																																																																																	
License No 32310 Well Name ARCRCRES HZ PARKLAND G12-07-081-16										BEAV15AC 20161218 1A		RMS 2016.6.14.37064		2016		12		18		(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 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) Mast Inspection before Raising or Lowering (11) Crown Block Checked (12) Motor Vibs Checked										 																																																																																																																	
Contractor Beaver Drilling Ltd.										Contractor's License No 0X47		Rig No 15AC		Loc Type DLS		Unique Well Id 105/04-08-081-16W6/00		Rig No 15AC		Well Type HORIZ		Squad Date Time 17-Dec-2016		23:00																																																																																																																							
Signatures of Operator's Representative Dan Meyer										Signature of Contractor's Rig Manager Shaun Low																																																																																																																																					
<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>TOTAL</th> <th>FUEL @ 08:00 HRS</th> <th>WEATHER</th> </tr> </thead> <tbody> <tr> <td>Tour 1</td> <td></td> <td>1.75</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></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>5.25</td> <td>0.50</td> <td></td> <td></td> <td></td> <td>8.00</td> <td>23769</td> <td>7100</td> <td>05:00</td> </tr> <tr> <td>Tour 2</td> <td></td> <td>1.00</td> <td></td> <td></td> <td>0.75</td> <td>2.00</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></td> <td>3.00</td> <td>0.75</td> <td></td> <td></td> <td></td> <td>8.00</td> <td></td> <td></td> <td>-4</td> </tr> <tr> <td>TOTAL</td> <td></td> <td>2.75</td> <td></td> <td></td> <td>0.75</td> <td>2.00</td> <td>1.00</td> <td></td> <td></td> <td></td> <td></td> <td>7.75</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8.25</td> <td>1.50</td> <td></td> <td></td> <td></td> <td>24.00</td> <td></td> <td></td> <td>PARTLY CLOUDY</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	WEATHER	Tour 1		1.75								0.50											5.25	0.50				8.00	23769	7100	05:00	Tour 2		1.00			0.75	2.00	0.50														3.00	0.75				8.00			-4	TOTAL		2.75			0.75	2.00	1.00					7.75									8.25	1.50				24.00			PARTLY CLOUDY
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	WEATHER																																																																																																																			
Tour 1		1.75								0.50											5.25	0.50				8.00	23769	7100	05:00																																																																																																																		
Tour 2		1.00			0.75	2.00	0.50														3.00	0.75				8.00			-4																																																																																																																		
TOTAL		2.75			0.75	2.00	1.00					7.75									8.25	1.50				24.00			PARTLY CLOUDY																																																																																																																		

TOUR 1										SIGNATURE OF DRILLER Stefan Polny										START TIME 0:00										END TIME 8:00									
--------	--	--	--	--	--	--	--	--	--	-----------------------------------	--	--	--	--	--	--	--	--	--	-----------------	--	--	--	--	--	--	--	--	--	---------------	--	--	--	--	--	--	--	--	--

BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG									
Bit Number 1A RR Size 279 IADC Code Manufacturer Sicotte Type SS516GB Serial No 12629 JMS 14.3 14.3 14.3 Depth Out (m) 6.60 Depth In (m) 263.40 Total Drilled (m) 263.40 Hrs Run Today 1.75 Cumulative Hrs Run 2.75 Entry Date 17-Dec-2016										No Component OD ID Length 1 279mm PDC Bit 279 1 0.27 1 Mud Motor 203 1 8.14 1 X/O 165 71 0.80 1 UBHO Sub 165 63 0.75 2 NM Slick 155 71 17.73 1 x/o 4.5XH - 4"H90 165 57 0.45 6 1/2" Drill Collar 167 59 96.54 1 X/O SUB 165 57 0.79 1 DS40 Jars 165 57 5.35 21 4" CDS40 HWDP 101 65 193.23										Mud Type Water Time 01:30 03:00 Density 1070 1100 Funnel Viscosity 35 37 Fluid Loss 11 11.5 pH 11 11.5 Location Of Sample Shaker Shaker Depth 41.00 87.00 PVT 52.35 69.93										Time Depth Deviation Direction Type 02:00 40.47 0.50 87.5 DIRECTIONAL 03:00 69.47 0.20 77 DIRECTIONAL 04:15 103.32 0.30 67.9 DIRECTIONAL 05:00 131.78 0.40 46.1 DIRECTIONAL										From To Elapsed Code 0:00 0:30 0:50 7 0:30 2:15 1:45 2 2:15 7:30 5:25 20A 7:30 8:00 0:50 21									
CUTTING STRUCTURE TO 2 MD 3 BT 1 LOC 1 BRG 1										Kelly Down -21.17 Total 270.00 Weight of DC 28.00 Weight of String 36.00										Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 PARALLEL 152 105 16000 8.00 2 PARALLEL 152 105 16000 8.00										SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 8.00 1120 1080 1780 8.00 1120 1080 1780										Details Of Operations In Sequence & Remarks Rig & Top Drive Service. Functioned Rig Smart crown saver, high & low travel stops / limits, MCWS & ZMS. Serviced hydraulic I-BOP & functioned lower manual I-BOP. Visual inspection & service of PS-21 slips & inserts. Conducted level 1 visual inspection of mast & all over-head equipment. Drill 279mm surface hole from 29m to 270m MD. Pump Rate - 3.2 m3/min, WOB - 6 kdaN, Rotary - 120 RPM, Pump Pressure - 16,000 kPa, Torque - 7,000 ftlbs, Diff Pressure - 3,000 kPa. Accumulated time on reciprocating drill string, directional surveys & connections. Crew hand-over meeting. Discuss hazard id's & daily events.									
METRES DRILLED From To D-R-C RPM WOB 23.00 270.00 DRILL 160 6										HOLE CONDITION Hole Drag Up 1 Down 1 Torque At Bottom 7000 Fill On Bottom 0.00										REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 152 105 16000 8.00 2 152 105 16000 8.00										BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450										SAFETY Safety Topic MEHL 0 MACP Windy conditions. 37									
TOUR 2										SIGNATURE OF DRILLER Jordan Cawsey										START TIME 8:00										END TIME 16:00																			

BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG									
Bit Number 1A RR Size 279 IADC Code Manufacturer Sicotte Type SS516GB Serial No 12629 JMS 14.3 14.3 14.3 Depth Out (m) 459.00 Depth In (m) 6.60 Total Drilled (m) 452.40 Hrs Run Today 1.00 Cumulative Hrs Run 3.75 Entry Date 17-Dec-2016										No Component OD ID Length 1 279mm PDC Bit 279 1 0.27 1 Mud Motor 203 1 8.14 1 X/O 165 71 0.80 1 UBHO Sub 165 63 0.75 2 NM Slick 155 71 17.73 1 x/o 4.5XH - 4"H90 165 57 0.45 6 1/2" Drill Collar 167 59 96.54 1 X/O SUB 165 57 0.79 1 DS40 Jars 165 57 5.35 39 4" CDS40 HWDP 101 65 293.23										Mud Type Water Time 08:15 11:45 Density 1090 1080 Funnel Viscosity 35 70 Fluid Loss 0 0 pH 10 10 Location Of Sample Shaker Shaker Depth 261.00 459.00 PVT 62.8 81.8										Time Depth Deviation Direction Type 08:15 245.62 0.80 234.1 DIRECTIONAL 08:45 274.17 1.00 255.5 DIRECTIONAL 09:15 302.58 0.30 163.1 DIRECTIONAL 09:45 331.15 0.70 138.3 DIRECTIONAL 10:00 359.64 0.90 149.9 DIRECTIONAL 10:45 388.11 0.40 66.6 DIRECTIONAL										From To Elapsed Code 8:00 9:00 1:00 2 9:00 11:15 2:25 20A 11:15 12:00 0:45 5D 12:00 12:30 0:50 7 12:30 14:30 2:00 6B 14:30 14:45 0:25 21D 14:45 15:30 0:45 20D 15:30 16:00 0:50 21									
CUTTING STRUCTURE TO 2 MD 3 BT 1 LOC 1 BRG 1										Kelly Down -3.09 Total 459.00 Weight of DC 28.00 Weight of String 45.00										Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 COINDED 152 105 27000 8.00 2 COINDED 152 105 27000 8.00										SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 3.00 1090 1070 1790 3.00 1090 1070 1790										Details Of Operations In Sequence & Remarks Drill 279mm surface hole from 270m to 459m MD (TD). Pump Rate - 3.35 m3/min, WOB - 10 kdaN, Rotary - 160 RPM, Pump Pressure - 27,000 kPa, Torque - 12,000 ftlbs, Diff Pressure - 4,000 kPa. Accumulated MWD survey & connection time. Circulate and condition hole prior to tripping out of hole. Rig & Top Drive Service. Functioned Rig Smart crown saver, high & low travel stops / limits, MCWS & ZMS. Serviced hydraulic I-BOP & functioned lower manual I-BOP. Visual inspection & service of PS-21 slips & inserts. Conducted level 1 visual inspection of mast & all over-head equipment. Review JSA. Trip out of hole from 459m to 0m MD @ 30m/min. Wash through tight spots @ 305m, 202m, 150m and 130m. Review JSA. Rack back 1 stand of directional tools with Mud Motor and 2- Monels. Lay down MWD tool and break off 279mm Sicotte PDC Bit. Crew hand-over meeting. Discuss hazard id's & daily events.									
METRES DRILLED From To D-R-C RPM WOB 270.00 459.00 DRILL 160 10										HOLE CONDITION Hole Drag Up 2 Down 2 Torque At Bottom 12000 Fill On Bottom 0.00										REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 152 105 27000 8.00 2 152 105 27000 8.00										BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450										SAFETY Safety Topic MEHL 50 MACP Handling Tubulars									
TOUR 3										SIGNATURE OF DRILLER Stefan Polny										START TIME 16:00										END TIME 24:00																			

BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG									
Bit Number Size IADC Code Manufacturer Type Serial No JMS Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date										No Component OD ID Length Time 18:00 20:30 Density 1130 1140 Funnel Viscosity 65 62 Fluid Loss 0 pH 10.5 10 Location Of Sample Shaker suction Depth 459.00 459.00 PVT 42.74 42.7										Time Depth Deviation Direction Type 16:00 16:30 0:50 12A 16:30 16:45 0:25 21D 16:45 24:00 7:25 12B										From To Elapsed Code 16:00 16:30 0:50 12A 16:30 16:45 0:25 21D 16:45 24:00 7:25 12B																			
CUTTING STRUCTURE TO MD BT LOC BRG										Kelly Down Total Weight of DC Weight of String										Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 152 32 800 8.00 2 PARALLEL 152 32 800 8.00										SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 0.00 0 0 0 0.00 0 0 0										Details Of Operations In Sequence & Remarks Review JSA. Rig up to run 219.1mm Surface Casing with Copperhead. Change PS-21 slip inserts to manual inserts, remove BX4-500 hydraulic elevators and install 8ft ball extensions and 219.1mm side door casing elevators Cert # 100995. Pick up and install Copperhead power tongs. Safety meeting with Copperhead prior to rigging to and running 219.1mm Surface Casing. Review JSA. Make up Float Shoe and Float Collar and run 18 of 39 joints of 219.1mm Surface Casing from 6.6m to 230m MD @ 30m/min. Washed joints down at 1.0m/min from 25m to 230m MD.									
METRES DRILLED From To D-R-C RPM WOB										HOLE CONDITION Hole Drag Up Down Torque At Bottom Fill On Bottom										REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 152 32 800 8.00 2 152 32 800 8.00										BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450										SAFETY Safety Topic MEHL 0 MACP Running casing. 29									
TOUR 4										SIGNATURE OF DRILLER										START TIME										END TIME																			

[illegible]

[illegible]

FRONT PAGE SUMMARY										TOUR SHEET SERIAL NUMBER										VENDOR SOFTWARE VERSION										YEAR										MONTH										DAY										DAILY CHECKS										OP RM									
License No: 32310 Well Name: ARCRCRES HZ PARKLAND G12-07-081-16 Operator's #55: 17DR00014 Signature of Operator's Representative: Dean Boenhert										BEAV15AC 20170220 1A Surface Location: 12-7-81-16 W6 Contractor: Beaver Drilling Ltd. Signature of Contractor's Rig Manager: Luke Hardy										RMS 2016.6.14.37064 Prov: BC Loc Type: DLS Unique Well Id: 105/04-08-081-16W6/00 Rig No: 15AC Well Type: HORIZ Spool Date Time: 17-Dec-2016 23:00										(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) HDS Signs Posted if Required (4) Well Licence & Stick Diagram Posted (5) Flare Lines Sealed (6) BOP Tests Performed (7) Visually Inspected BOPs Flare Lines & Degassers Lines (1) Rig Site Health & Safety Meeting (once a month) (2) CAODC Rig Safety Inspection Checklist (weekly/monthly) (3) Mast Inspection before Raising or Lowering (4) Crown Saver Checked (5) Motor Units Checked										 																																							
TOUR 1										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 0:00										END TIME: 8:00																																																	
TOUR 2										SIGNATURE OF DRILLER: Stefan Polny										START TIME: 8:00										END TIME: 16:00																																																	
TOUR 3										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 4										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 5										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 6										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 7										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 8										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 9										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 10										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 11										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 12										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 13										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 14										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 15										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 16										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 17										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 18										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 19										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 20										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 21										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 22										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 23										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 24										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 25										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 26										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 27										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 28										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 29										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 30										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 31										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 32										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 33										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 34										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 35										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 36										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 37										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 38										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 39										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 40										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 41										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 42										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 43										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 44										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 45										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 46										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 47										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 48										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 49										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 50										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 51										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 52										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 53										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 54										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 55										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 56										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 57										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 58										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 59										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 60										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 61										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 62										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 63										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 64										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 65										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 66										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 67										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 68										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 69										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 70										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 71										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 72										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 73										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 74										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 75										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 76										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 77										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 78										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 79										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 80										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 81										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 82										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 83										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 84										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 85										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 86										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 87										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 88										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 89										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 90										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 91										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 92										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 93										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 94										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 95										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 96										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 97										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 98										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 99										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	
TOUR 100										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00										END TIME: 24:00																																																	

FRONT PAGE SUMMARY										Tour Sheet Serial Number		Vendor Software Version		Year		Month		Day		DAILY CHECKS										OP RM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
32310 ARCRCRES HZ PARKLAND G12-07-081-16										BEAV15AC 20170221 1A		RMS 2016.6.14.37064		2017		02		21		(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 Sealed (6) BOP Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines (8) Rig Site Health & Safety Meeting (once/week/month) (9) CADCRC Rig Safety Inspection Checklist (once/monthly) (10) Master Alibi Checked (11) Crossover Bar Checked (12) Master Alibi Checked										 																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Contractor: ARCRC Resources Ltd.										Contractor: Beaver Drilling Ltd.		Pro: BC		Lic Type: DLS		Unique Well Id: 105/04-08-081-16W6/00		Rig No: 15AC		Well Type: HORIZ		Squad Date Time: 17-Dec-2016		23:00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Signature of Operator's Representative: Dean Boenhert										Signature of Contractor's Rig Manager: Shaun Low		Rig Release Date Time:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Code																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th></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></th></tr> <tr> <td>Rig Up</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Drill Actual</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Reaming</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Coring</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Core Mud & Circ</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Trips</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Rig Service</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Repair Rig</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Cut Off Drill Line</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Dev Survey</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Wireline Logs</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Ran C&G</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Wait On Cement</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Nipple BOP</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Test BOP</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Drillstem Test</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Plug Back</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Squeeze Cement</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Fishing</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Dir Work</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Safety Meeting</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Tear Down</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Waiting On</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Rig Watch</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Other</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>																										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																											Core Mud & Circ																											Trips																											Rig Service																											Repair Rig																											Cut Off Drill Line																											Dev Survey																											Wireline Logs																											Ran C&G																											Wait On Cement																											Nipple BOP																											Test BOP																											Drillstem Test																											Plug Back																											Squeeze Cement																											Fishing																											Dir Work																											Safety Meeting																											Tear Down																											Waiting On																											Rig Watch																											Other																											TOTAL																										
	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Core Mud & Circ																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Trips																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Rig Service																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Repair Rig																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Cut Off Drill Line																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Dev Survey																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Wireline Logs																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Ran C&G																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Wait On Cement																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Nipple BOP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Test BOP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Drillstem Test																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Plug Back																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Squeeze Cement																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Fishing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Dir Work																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Safety Meeting																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Tear Down																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Waiting On																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Rig Watch																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Hourly Billing</td><td>6.6</td><td>Top Fuel</td><td>4411</td></tr> <tr> <td>FUEL @ 08:00 HRS</td><td>26271</td><td>7100</td><td></td></tr> <tr> <td>Time</td><td>05:00</td><td>Temp</td><td>-6</td></tr> <tr> <td>Current Conditions</td><td></td><td></td><td></td></tr> <tr> <td>LIGHT SNOW</td><td></td><td></td><td></td></tr> <tr> <td>Wind Direction</td><td>N</td><td>Wind Strength</td><td>UP TO 15 KM/H</td></tr> <tr> <td>Road Condition</td><td>POOR</td><td></td><td></td></tr> </table>																									Hourly Billing	6.6	Top Fuel	4411	FUEL @ 08:00 HRS	26271	7100		Time	05:00	Temp	-6	Current Conditions				LIGHT SNOW				Wind Direction	N	Wind Strength	UP TO 15 KM/H	Road Condition	POOR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Hourly Billing	6.6	Top Fuel	4411																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
FUEL @ 08:00 HRS	26271	7100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Time	05:00	Temp	-6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Current Conditions																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
LIGHT SNOW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Wind Direction	N	Wind Strength	UP TO 15 KM/H																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Road Condition	POOR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
TOUR 1 SIGNATURE OF DRILLER: Jordan Cawsey																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
START TIME: 0:00 END TIME: 8:00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
TOUR 2 SIGNATURE OF DRILLER: Stefan Polny																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
START TIME: 8:00 END TIME: 16:00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
TOUR 3 SIGNATURE OF DRILLER: Jordan Cawsey																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
START TIME: 16:00 END TIME: 24:00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Bit Number	Size	No	Component	OD	ID	Mud Type	Water	Time	Depth																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
2	200	1	200mm PDC Bit	200	1.026		<input checked="" type="checkbox"/>	00:15	1357.05																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		1	Mud Motor	175	1.864		<input type="checkbox"/>	01:00	1386.19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		1	NM Slick	165	72			01:30	1415.26																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		1	Gap Sub	164	79			02:15	1444.37																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		2	NM Slick	165	72			02:45	1488.48																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		1	x/o 4.5XH - 4"H90	163	63			04:00	1502.59																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		6	6 1/2" Drill Collar	167	59																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		1	4H90 X DS40 X/O	163	58																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		2	4" CDS40 HWDP	101	65																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		1	Jars	165	66																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		46	4" CDS40 HWDP	101	65																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		37	Drill Pipe	Standards	1077.68																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		0	Drill Pipe	Singles	0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Kelly Down		-0.37																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Total		1634.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of DC		30.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of BOP		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of Tool Joint		65.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			Weight of String		71.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

FRONT PAGE SUMMARY										Vendor Software Version		Year		Month		Day		DAILY CHECKS										OP RM																																																													
License No										Well Name										BEAV15AC 20170222 1A										RMS 2016.6.14.37064										2017										02										22																													
32310										ARCRES HZ PARKLAND G12-07-081-16										12-7-81-16 W6										BC										DLS										105/04-08-081-16W6/00										15AC										HORIZ																			
ARC Resources Ltd.										Beaver Drilling Ltd.										0047										17-Dec-2016										23:00																																																	
17DR0014										Signature of Operator's Representative										Signature of Contractor's Rig Manager										Rig Release Date Time																																																											
Dean Boenherth										Shaun Low																																																																															

Code	Rig Up																									TOTAL	FUEL @ 08:00 HRS	WEATHER
	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			
Tour 1		1.00	0.50				4.50														1.50	0.50					8.00	
Tour 2		6.50					0.50														1.00						8.00	
Tour 3		6.00																			1.50	0.50					8.00	
TOTAL		13.50	0.50				4.50	0.50													4.00	1.00					24.00	

TOUR 1		SIGNATURE OF DRILLER		JORDAN CAWSEY		START TIME		0:00		END TIME		8:00			
BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG		DETAILS OF OPERATIONS IN SEQUENCE & REMARKS					
Bit Number: 3 Size: 200 IADC Code: Halliburton Manufacturer: MMD64M Type: 948696 Serial No: 7.9 7.9 8.7 8.7 Jars: 7.9 8.7 Depth Out (m): 1692.00 Depth In (m): 32.00 Total Drilled (m): 1.00 Cumulative Hrs Run: 1.00 Entry Date: 21-Feb-2017		No: 1 Component: 200mm PDC Bit OD: 200 ID: 1.025 Length: 1.848 Mud Type: Mud Motor Water: 1150 Density: 1150 Funnel Viscosity: 31 Fluid Loss: 32 pH: 10 Location Of Sample: suction#2 Depth: 1692.18 PVT: 41.56 Circulation: 1 Jars Pump # 1: 127 85 17000 2.00 Pump # 2: 127 85 17000 2.00		Time: 05:00 06:30 Density: 1150 Funnel Viscosity: 31 Fluid Loss: 32 pH: 10 Location Of Sample: suction#2 Depth: 1692.18 PVT: 41.56 Circulation: 1 Jars Pump # 1: 127 85 17000 2.00 Pump # 2: 127 85 17000 2.00		Time: 05:00 06:30 Density: 1150 Funnel Viscosity: 31 Fluid Loss: 32 pH: 10 Location Of Sample: suction#2 Depth: 1692.18 PVT: 41.56 Circulation: 1 Jars Pump # 1: 127 85 17000 2.00 Pump # 2: 127 85 17000 2.00		From: 05:00 To: 06:30 Elapsed: 01:30 Code: 0000 Details of Operations In Sequence & Remarks:		From: 05:00 To: 06:30 Elapsed: 01:30 Code: 0000 Details of Operations In Sequence & Remarks:		From: 05:00 To: 06:30 Elapsed: 01:30 Code: 0000 Details of Operations In Sequence & Remarks:		From: 05:00 To: 06:30 Elapsed: 01:30 Code: 0000 Details of Operations In Sequence & Remarks:	
CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		BOILER		SAFETY		Waste Management		MEHL			
TO: 0000 MDC: 0000 LOC: 0000 BRG: 0000		Kelly: 0.36 Total: 1724.00 Weight of DC: 24.00 Weight of String: 71.00		Pump # 1: 127 85 17000 2.00 Pump # 2: 127 85 17000 2.00		Time: 05:00 06:30 Density: 1150 Funnel Viscosity: 31 Fluid Loss: 32 pH: 10 Location Of Sample: suction#2 Depth: 1692.18 PVT: 41.56 Circulation: 1 Jars Pump # 1: 127 85 17000 2.00 Pump # 2: 127 85 17000 2.00		From: 05:00 To: 06:30 Elapsed: 01:30 Code: 0000 Details of Operations In Sequence & Remarks:		From: 05:00 To: 06:30 Elapsed: 01:30 Code: 0000 Details of Operations In Sequence & Remarks:		From: 05:00 To: 06:30 Elapsed: 01:30 Code: 0000 Details of Operations In Sequence & Remarks:		From: 05:00 To: 06:30 Elapsed: 01:30 Code: 0000 Details of Operations In Sequence & Remarks:	
METRES DRILLED		HOLE CONDITION		REDUCED PUMP SPEED		BOILER		SAFETY		Waste Management		MEHL			
From: 05:00 To: 06:30 D-R-C: 0000 RPM: 0000 WOB: 0000		Kelly: 0.36 Total: 1724.00 Weight of DC: 24.00 Weight of String: 71.00		Pump # 1: 127 85 17000 2.00 Pump # 2: 127 85 17000 2.00		Time: 05:00 06:30 Density: 1150 Funnel Viscosity: 31 Fluid Loss: 32 pH: 10 Location Of Sample: suction#2 Depth: 1692.18 PVT: 41.56 Circulation: 1 Jars Pump # 1: 127 85 17000 2.00 Pump # 2: 127 85 17000 2.00		From: 05:00 To: 06:30 Elapsed: 01:30 Code: 0000 Details of Operations In Sequence & Remarks:		From: 05:00 To: 06:30 Elapsed: 01:30 Code: 0000 Details of Operations In Sequence & Remarks:		From: 05:00 To: 06:30 Elapsed: 01:30 Code: 0000 Details of Operations In Sequence & Remarks:		From: 05:00 To: 06:30 Elapsed: 01:30 Code: 0000 Details of Operations In Sequence & Remarks:	

TOUR 2		SIGNATURE OF DRILLER		STEFAN POLNY		START TIME		8:00		END TIME		16:00			
BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG		DETAILS OF OPERATIONS IN SEQUENCE & REMARKS					
Bit Number: 3 Size: 200 IADC Code: Halliburton Manufacturer: MMD64M Type: 948696 Serial No: 7.9 7.9 8.7 8.7 Jars: 7.9 8.7 Depth Out (m): 1692.00 Depth In (m): 150.00 Total Drilled (m): 6.50 Cumulative Hrs Run: 7.50 Entry Date: 21-Feb-2017		No: 1 Component: 200mm PDC Bit OD: 200 ID: 1.025 Length: 1.848 Mud Type: Mud Motor Water: 1150 Density: 1150 Funnel Viscosity: 31 Fluid Loss: 0 pH: 10.5 Location Of Sample: Suction Depth: 1805.14 PVT: 52.91 Circulation: 1 Jars Pump # 1: 127 86 23300 8.00 Pump # 2: 127 86 23300 8.00		Time: 13:30 Density: 1150 Funnel Viscosity: 31 Fluid Loss: 0 pH: 10.5 Location Of Sample: Suction Depth: 1805.14 PVT: 52.91 Circulation: 1 Jars Pump # 1: 127 86 23300 8.00 Pump # 2: 127 86 23300 8.00		Time: 13:30 Density: 1150 Funnel Viscosity: 31 Fluid Loss: 0 pH: 10.5 Location Of Sample: Suction Depth: 1805.14 PVT: 52.91 Circulation: 1 Jars Pump # 1: 127 86 23300 8.00 Pump # 2: 127 86 23300 8.00		From: 13:30 To: 14:30 Elapsed: 01:00 Code: 0000 Details of Operations In Sequence & Remarks:		From: 13:30 To: 14:30 Elapsed: 01:00 Code: 0000 Details of Operations In Sequence & Remarks:		From: 13:30 To: 14:30 Elapsed: 01:00 Code: 0000 Details of Operations In Sequence & Remarks:		From: 13:30 To: 14:30 Elapsed: 01:00 Code: 0000 Details of Operations In Sequence & Remarks:	
CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		BOILER		SAFETY		Waste Management		MEHL			
TO: 0000 MDC: 0000 LOC: 0000 BRG: 0000		Kelly: 0.36 Total: 1842.00 Weight of DC: 24.00 Weight of String: 72.00		Pump # 1: 127 86 23300 8.00 Pump # 2: 127 86 23300 8.00		Time: 13:30 Density: 1150 Funnel Viscosity: 31 Fluid Loss: 0 pH: 10.5 Location Of Sample: Suction Depth: 1805.14 PVT: 52.91 Circulation: 1 Jars Pump # 1: 127 86 23300 8.00 Pump # 2: 127 86 23300 8.00		From: 13:30 To: 14:30 Elapsed: 01:00 Code: 0000 Details of Operations In Sequence & Remarks:		From: 13:30 To: 14:30 Elapsed: 01:00 Code: 0000 Details of Operations In Sequence & Remarks:		From: 13:30 To: 14:30 Elapsed: 01:00 Code: 0000 Details of Operations In Sequence & Remarks:		From: 13:30 To: 14:30 Elapsed: 01:00 Code: 0000 Details of Operations In Sequence & Remarks:	
METRES DRILLED		HOLE CONDITION		REDUCED PUMP SPEED		BOILER		SAFETY		Waste Management		MEHL			
From: 13:30 To: 14:30 D-R-C: 0000 RPM: 0000 WOB: 0000		Kelly: 0.36 Total: 1842.00 Weight of DC: 24.00 Weight of String: 72.00		Pump # 1: 127 86 23300 8.00 Pump # 2: 127 86 23300 8.00		Time: 13:30 Density: 1150 Funnel Viscosity: 31 Fluid Loss: 0 pH: 10.5 Location Of Sample: Suction Depth: 1805.14 PVT: 52.91 Circulation: 1 Jars Pump # 1: 127 86 23300 8.00 Pump # 2: 127 86 23300 8.00		From: 13:30 To: 14:30 Elapsed: 01:00 Code: 0000 Details of Operations In Sequence & Remarks:		From: 13:30 To: 14:30 Elapsed: 01:00 Code: 0000 Details of Operations In Sequence & Remarks:		From: 13:30 To: 14:30 Elapsed: 01:00 Code: 0000 Details of Operations In Sequence & Remarks:		From: 13:30 To: 14:30 Elapsed: 01:00 Code: 0000 Details of Operations In Sequence & Remarks:	

TOUR 3		SIGNATURE OF DRILLER		JORDAN CAWSEY		START TIME		16:00		END TIME		24:00			
BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG		DETAILS OF OPERATIONS IN SEQUENCE & REMARKS					
Bit Number: 3 Size: 200 IADC Code: Halliburton Manufacturer: MMD64M Type: 948696 Serial No: 7.9 7.9 8.7 8.7 Jars: 7.9 8.7 Depth Out (m): 1692.00 Depth In (m): 234.00 Total Drilled (m): 6.00 Cumulative Hrs Run: 13.50 Entry Date: 21-Feb-2017		No: 1 Component: 200mm PDC Bit OD: 200 ID: 1.025 Length: 1.848 Mud Type: Mud Motor Water: 1140 Density: 1140 Funnel Viscosity: 31 Fluid Loss: 0 pH: 10.5 Location Of Sample: trough Depth: 1887.14 PVT: 42.95 Circulation: 1 Jars Pump # 1: 127 90 26000 8.00 Pump # 2: 127 90 26000 8.00		Time: 20:00 Density: 1140 Funnel Viscosity: 31 Fluid Loss: 0 pH: 10.5 Location Of Sample: trough Depth: 1887.14 PVT: 42.95 Circulation: 1 Jars Pump # 1: 127 90 26000 8.00 Pump # 2: 127 90 26000 8.00		Time: 20:00 Density: 1140 Funnel Viscosity: 31 Fluid Loss: 0 pH: 10.5 Location Of Sample: trough Depth: 1887.14 PVT: 42.95 Circulation: 1 Jars Pump # 1: 127 90 26000 8.00 Pump # 2: 127 90 26000 8.00		From: 20:00 To: 21:45 Elapsed: 01:45 Code: 0000 Details of Operations In Sequence & Remarks:		From: 20:00 To: 21:45 Elapsed: 01:45 Code: 0000 Details of Operations In Sequence & Remarks:		From: 20:00 To: 21:45 Elapsed: 01:45 Code: 0000 Details of Operations In Sequence & Remarks:		From: 20:00 To: 21:45 Elapsed: 01:45 Code: 0000 Details of Operations In Sequence & Remarks:	
CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		BOILER		SAFETY		Waste Management		MEHL			
TO: 0000 MDC: 0000 LOC: 0000 BRG: 0000		Kelly: 0.36 Total: 1926.00 Weight of DC: 17.33 Weight of String: 73.00		Pump # 1: 127 90 26000 8.00 Pump # 2: 127 90 26000 8.00		Time: 20:00 Density: 1140 Funnel Viscosity: 31 Fluid Loss: 0 pH: 10.5 Location Of Sample: trough Depth: 1887.14 PVT: 42.95 Circulation: 1 Jars Pump # 1: 127 90 26000 8.00 Pump # 2: 127 90 26000 8.00		From: 20:00 To: 21:45 Elapsed: 01:45 Code: 0000 Details of Operations In Sequence & Remarks:		From: 20:00 To: 21:45 Elapsed: 01:45 Code: 0000 Details of Operations In Sequence & Remarks:		From: 20:00 To: 21:45 Elapsed: 01:45 Code: 0000 Details of Operations In Sequence & Remarks:		From: 20:00 To: 21:45 Elapsed: 01:45 Code: 0000 Details of Operations In Sequence & Remarks:	
METRES DRILLED		HOLE CONDITION		REDUCED PUMP SPEED		BOILER		SAFETY		Waste Management		MEHL			
From: 20:00 To: 21:45 D-R-C: 0000 RPM: 0000 WOB: 0000		Kelly: 0.36 Total: 1926.00 Weight of DC: 17.33 Weight of String: 73.00		Pump # 1: 127 90 26000 8.00 Pump # 2: 127 90 26000 8.00		Time: 20:00 Density: 1140 Funnel Viscosity: 31 Fluid Loss: 0 pH: 10.5 Location Of Sample: trough Depth: 1887.14 PVT: 42.95 Circulation: 1 Jars Pump # 1: 127 90 26000 8.00 Pump # 2: 127 90 26000 8.00		From: 20:00 To: 21:45 Elapsed: 01:45 Code: 0000 Details of Operations In Sequence & Remarks:		From: 20:00 To: 21:45 Elapsed: 01:45 Code: 0000 Details of Operations In Sequence & Remarks:		From: 20:00 To: 21:45 Elapsed: 01:45 Code: 0000 Details of Operations In Sequence & Remarks:		From: 20:00 To: 21:45 Elapsed: 01:45 Code: 0000 Details of Operations In Sequence & Remarks:	

FRONT PAGE SUMMARY										TOUR SHEET NUMBER										VENDOR SOFTWARE VERSION										YEAR										MONTH										DAY										DAILY CHECKS										OP RM									
32310 ARCRCRES HZ PARKLAND G12-07-081-16										BEAV15AC 20170223 1A										RMS 2016.6.14.37064										2017										02										23										(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 Sealed (6) BOP Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines (8) Rig Site Health & Safety Meeting (once/month) (9) CADCRC Rig Safety Inspection Checklist (weekly/monthly) (10) Mast Inspection before Raising or Lowering (11) Crown Block Checked (12) Motor Vibs Checked										 									
License No: 32310 Well Name: ARCRCRES HZ PARKLAND G12-07-081-16 Contractor: Beaver Drilling Ltd. Operator's Representative: Dean Boehnerth Signature of Contractor's Rig Manager: Shaun Low										Surface Location: 12-7-81-16 W6 Prov: BC Loc Type: DLS Unique Well Id: 105/04-08-081-16W6/00 Rig No: 15AC Well Type: HORIZ Spool Date Time: 17-Dec-2016 Rig Release Date Time: 23:00																																																																					
TOUR 1										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 2										SIGNATURE OF DRILLER: Stefan Polny																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 3										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 4										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 5										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 6										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 7										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 8										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 9										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 10										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 11										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 12										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 13										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 14										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 15										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 16										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 17										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 18										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 19										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 20										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 21										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 22										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 23										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 24										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 25										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 26										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 27										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 28										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 29										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 30										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 31										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 32										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 33										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 34										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 35										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 36										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 37										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 38										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 39										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 40										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 41										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 42										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 43										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 44										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 45										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 46										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 47										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 48										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 49										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 50										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 51										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 52										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 53										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 54										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 55										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 56										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 57										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 58										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 59										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 60										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 61										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 62										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 63										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 64										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 65										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 66										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 67										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 68										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 69										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 70										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 71										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 72										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 73										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 74										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 75										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 76										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 77										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 78										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 79										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 80										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 81										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 82										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 83										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 84										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 85										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 86										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 87										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 88										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 89										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 90										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 91										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 92										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 93										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 94										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 95										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 96										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							
TOUR 97										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 0:00										END TIME: 8:00																																							
TOUR 98										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 8:00										END TIME: 16:00																																							
TOUR 99										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 16:00										END TIME: 24:00																																							
TOUR 100										SIGNATURE OF DRILLER: Jordan Cawsey																				START TIME: 24:00										END TIME: 0:00																																							

FRONT PAGE SUMMARY										Vendor Software Version		Year		Month		Day		DAILY CHECKS										OP RM																																																																																																																																												
License No: 32310 Well Name: ARCRCRES HZ PARKLAND G12-07-081-16 Tour Sheet Serial Number: BEAV15AC 20170223 1A RMS 2016.6.14.37064 Surface Location: 12-7-81-16 W6 Prov: BC Loc Type: DLS Unique Well ID: 105/04-08-081-16W6/00 Contractor: Beaver Drilling Ltd. 15AC Well Type: HORIZ Re Entry: <input type="checkbox"/>										(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/week/month) (9) CADC Rig Safety Inspection Checklist (weekly/monthly) (10) Mast Inspection before Raising or Lowering (11) Crown Block Checked (12) Motor Vibs Checked										 																																																																																																																																																				
Operator's Name: 17DR0014 Signature of Operator's Representative: Dean Boehert Signature of Contractor's Rig Manager: Shaun Low										Spool Date Time: 17-Dec-2016 23:00 Rig Release Date Time:												Rainy Starting: 6.6 Top Fuel: 3732 FUEL @ 08:00 HRS 20016 7100 Time: 06:00 Temp: -10 OVERCAST Wind Direction: N Wind Strength: UP TO 15 KM/H Road Condition: FAIR																																																																																																																																																		
<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> </tr> </thead> <tbody> <tr> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">HOURS</td> <td>Tour 1</td> <td></td><td>5.50</td><td></td><td></td><td></td><td></td><td></td><td></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>1.50</td><td>0.50</td><td></td><td></td><td></td> </tr> <tr> <td>Tour 2</td> <td></td><td>5.00</td><td></td><td></td><td>1.00</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>1.75</td><td>0.25</td><td></td><td></td><td></td> </tr> <tr> <td>Tour 3</td> <td></td><td>4.50</td><td></td><td></td><td>1.00</td><td></td><td></td><td></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>1.50</td><td>0.50</td><td></td><td></td><td></td> </tr> <tr> <td>TOTAL</td> <td></td><td>15.00</td><td></td><td></td><td>2.00</td><td></td><td></td><td></td><td>1.00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>4.75</td><td>1.25</td><td></td><td></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	HOURS	Tour 1		5.50							0.50											1.50	0.50				Tour 2		5.00			1.00															1.75	0.25				Tour 3		4.50			1.00				0.50											1.50	0.50				TOTAL		15.00			2.00				1.00											4.75	1.25				TOTAL: 8.00 20016 7100 Time: 06:00 Temp: -10 OVERCAST Wind Direction: N Wind Strength: UP TO 15 KM/H Road Condition: FAIR																
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																																																																																																																																															
HOURS	Tour 1		5.50							0.50											1.50	0.50																																																																																																																																																		
	Tour 2		5.00			1.00															1.75	0.25																																																																																																																																																		
	Tour 3		4.50			1.00				0.50											1.50	0.50																																																																																																																																																		
	TOTAL		15.00			2.00				1.00											4.75	1.25																																																																																																																																																		
TOUR 1										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 0:00					END TIME: 8:00																																																																																																																																															
BITS Bit Number: 3 Size: 200 IADC Code: Manufacturer: Halliburton Type: MMD64M Serial No: 948696 Jaws: 7.9 7.9 8.7 8.7 Depth Out (m): 1692.00 Depth In (m): 294.00 Total Drilled (m): 19.00 Cumulative Hrs Run: 21-Feb-2017 Entry Date: 21-Feb-2017										DRILLING ASSEMBLY <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No</th> <th>Component</th> <th>OD</th> <th>ID</th> <th>Length</th> </tr> </thead> <tbody> <tr><td>1</td><td>200mm PDC Bit</td><td>200</td><td>1</td><td>0.25</td></tr> <tr><td>1</td><td>Mud Motor</td><td>175</td><td>1</td><td>8.48</td></tr> <tr><td>1</td><td>NM Pony</td><td>162</td><td>72</td><td>1.42</td></tr> <tr><td>1</td><td>NM Flex Monel</td><td>167</td><td>72</td><td>9.40</td></tr> <tr><td>1</td><td>Gap Sub</td><td>164</td><td>79</td><td>1.72</td></tr> <tr><td>1</td><td>UBHO Sub</td><td>165</td><td>65</td><td>0.80</td></tr> <tr><td>3</td><td>NM Flex Monel</td><td>167</td><td>72</td><td>27.88</td></tr> <tr><td>1</td><td>4.5XHXDS40 X/O</td><td>165</td><td>60</td><td>0.81</td></tr> <tr><td>2</td><td>4" CDS40 HWDP</td><td>101</td><td>65</td><td>18.87</td></tr> <tr><td>1</td><td>Jars</td><td>165</td><td>66</td><td>4.95</td></tr> <tr><td>46</td><td>4" CDS40 HWDP</td><td>101</td><td>65</td><td>18.87</td></tr> </tbody> </table> Kelly Open: -0.48 Total: 1986.00 Weight of DC: 0.00 Weight of String: 73.00										No	Component	OD	ID	Length	1	200mm PDC Bit	200	1	0.25	1	Mud Motor	175	1	8.48	1	NM Pony	162	72	1.42	1	NM Flex Monel	167	72	9.40	1	Gap Sub	164	79	1.72	1	UBHO Sub	165	65	0.80	3	NM Flex Monel	167	72	27.88	1	4.5XHXDS40 X/O	165	60	0.81	2	4" CDS40 HWDP	101	65	18.87	1	Jars	165	66	4.95	46	4" CDS40 HWDP	101	65	18.87	MUD RECORD Mud Type: Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Time: 06:00 Density: 1140 Funnel Viscosity: 31 Fluid Loss: 10 pH: 10 Location Of Sample: trough Depth: 1974.13 PVT: 27.16 Circulation: Pump # 1, Type COINTEGRATED, Liner Size 127, SPM 90, Pressure 27600, Hrs Run 8.00 2, Type COINTEGRATED, Liner Size 127, SPM 90, Pressure 27600, Hrs Run 8.00										DEVIATION SURVEYS <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Time</th> <th>Depth</th> <th>Deviation</th> <th>Direction</th> <th>Type</th> </tr> </thead> <tbody> <tr><td>14:15</td><td>2028.47</td><td>69.10</td><td>73.8</td><td>DIRECTIONAL</td></tr> </tbody> </table> SOLIDS CONTROL <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Equipment Name</th> <th>Hours Run</th> <th>Intake Density</th> <th>Over Flow Density</th> <th>Under Flow Density</th> </tr> </thead> <tbody> <tr><td>8.00</td><td>1140</td><td>1130</td><td>1380</td><td></td></tr> <tr><td>8.00</td><td>1140</td><td>1130</td><td>1380</td><td></td></tr> </tbody> </table> MUD MATERIALS ADDED <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Product</th> <th>Amount</th> <th>Type</th> </tr> </thead> <tbody> <tr><td>1</td><td>127</td><td>90</td></tr> <tr><td>2</td><td>127</td><td>90</td></tr> </tbody> </table> REDUCED PUMP SPEED <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Pump #</th> <th>Pressure</th> <th>Strokes/min</th> <th>Depth</th> </tr> </thead> <tbody> <tr><td>1</td><td>5600</td><td>80</td><td>1998.00</td></tr> <tr><td>2</td><td></td><td></td><td></td></tr> </tbody> </table> BOILER <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>BoilerNo</th> <th>HoursRun</th> <th>pH</th> <th>StackTemp</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td></tr> </tbody> </table> TIME LOG <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>From</th> <th>To</th> <th>Elapsed</th> <th>Code</th> <th>Details Of Operations In Sequence & Remarks</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>										Time	Depth	Deviation	Direction	Type	14:15	2028.47	69.10	73.8	DIRECTIONAL	Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density	8.00	1140	1130	1380		8.00	1140	1130	1380		Product	Amount	Type	1	127	90	2	127	90	Pump #	Pressure	Strokes/min	Depth	1	5600	80	1998.00	2				BoilerNo	HoursRun	pH	StackTemp					From	To	Elapsed	Code	Details Of Operations In Sequence & Remarks										
No	Component	OD	ID	Length																																																																																																																																																																				
1	200mm PDC Bit	200	1	0.25																																																																																																																																																																				
1	Mud Motor	175	1	8.48																																																																																																																																																																				
1	NM Pony	162	72	1.42																																																																																																																																																																				
1	NM Flex Monel	167	72	9.40																																																																																																																																																																				
1	Gap Sub	164	79	1.72																																																																																																																																																																				
1	UBHO Sub	165	65	0.80																																																																																																																																																																				
3	NM Flex Monel	167	72	27.88																																																																																																																																																																				
1	4.5XHXDS40 X/O	165	60	0.81																																																																																																																																																																				
2	4" CDS40 HWDP	101	65	18.87																																																																																																																																																																				
1	Jars	165	66	4.95																																																																																																																																																																				
46	4" CDS40 HWDP	101	65	18.87																																																																																																																																																																				
Time	Depth	Deviation	Direction	Type																																																																																																																																																																				
14:15	2028.47	69.10	73.8	DIRECTIONAL																																																																																																																																																																				
Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density																																																																																																																																																																				
8.00	1140	1130	1380																																																																																																																																																																					
8.00	1140	1130	1380																																																																																																																																																																					
Product	Amount	Type																																																																																																																																																																						
1	127	90																																																																																																																																																																						
2	127	90																																																																																																																																																																						
Pump #	Pressure	Strokes/min	Depth																																																																																																																																																																					
1	5600	80	1998.00																																																																																																																																																																					
2																																																																																																																																																																								
BoilerNo	HoursRun	pH	StackTemp																																																																																																																																																																					
From	To	Elapsed	Code	Details Of Operations In Sequence & Remarks																																																																																																																																																																				
TOUR 2										SIGNATURE OF DRILLER: Stefan Polny										START TIME: 8:00					END TIME: 16:00																																																																																																																																															
BITS Bit Number: 3 Size: 200 IADC Code: Manufacturer: Halliburton Type: MMD64M Serial No: 948696 Jaws: 7.9 7.9 8.7 8.7 Depth Out (m): 1692.00 Depth In (m): 362.00 Total Drilled (m): 5.00 Cumulative Hrs Run: 24.00 Entry Date: 21-Feb-2017										DRILLING ASSEMBLY <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No</th> <th>Component</th> <th>OD</th> <th>ID</th> <th>Length</th> </tr> </thead> <tbody> <tr><td>1</td><td>200mm PDC Bit</td><td>200</td><td>1</td><td>0.25</td></tr> <tr><td>1</td><td>Mud Motor</td><td>175</td><td>1</td><td>8.48</td></tr> <tr><td>1</td><td>NM Pony</td><td>162</td><td>72</td><td>1.42</td></tr> <tr><td>1</td><td>NM Flex Monel</td><td>167</td><td>72</td><td>9.40</td></tr> <tr><td>1</td><td>Gap Sub</td><td>164</td><td>79</td><td>1.72</td></tr> <tr><td>1</td><td>UBHO Sub</td><td>165</td><td>65</td><td>0.80</td></tr> <tr><td>3</td><td>NM Flex Monel</td><td>167</td><td>72</td><td>27.88</td></tr> <tr><td>1</td><td>4.5XHXDS40 X/O</td><td>165</td><td>60</td><td>0.81</td></tr> <tr><td>2</td><td>4" CDS40 HWDP</td><td>101</td><td>65</td><td>18.87</td></tr> <tr><td>1</td><td>Jars</td><td>165</td><td>66</td><td>4.95</td></tr> <tr><td>46</td><td>4" CDS40 HWDP</td><td>101</td><td>65</td><td>18.87</td></tr> </tbody> </table> Kelly Open: -29.78 Total: 2054.00 Weight of DC: 24.00 Weight of String: 72.00										No	Component	OD	ID	Length	1	200mm PDC Bit	200	1	0.25	1	Mud Motor	175	1	8.48	1	NM Pony	162	72	1.42	1	NM Flex Monel	167	72	9.40	1	Gap Sub	164	79	1.72	1	UBHO Sub	165	65	0.80	3	NM Flex Monel	167	72	27.88	1	4.5XHXDS40 X/O	165	60	0.81	2	4" CDS40 HWDP	101	65	18.87	1	Jars	165	66	4.95	46	4" CDS40 HWDP	101	65	18.87	MUD RECORD Mud Type: Water <input type="checkbox"/> Oil <input checked="" type="checkbox"/> Time: 14:30 Density: 1140 Funnel Viscosity: 31 Fluid Loss: 0 pH: 10 Location Of Sample: Suction Depth: 2047.00 PVT: 13.96 Circulation: Pump # 1, Type PARALLEL, Liner Size 127, SPM 90, Pressure 23400, Hrs Run 8.00 2, Type PARALLEL, Liner Size 127, SPM 90, Pressure 23400, Hrs Run 8.00										DEVIATION SURVEYS <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Time</th> <th>Depth</th> <th>Deviation</th> <th>Direction</th> <th>Type</th> </tr> </thead> <tbody> <tr><td>14:15</td><td>2028.47</td><td>69.10</td><td>73.8</td><td>DIRECTIONAL</td></tr> </tbody> </table> SOLIDS CONTROL <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Equipment Name</th> <th>Hours Run</th> <th>Intake Density</th> <th>Over Flow Density</th> <th>Under Flow Density</th> </tr> </thead> <tbody> <tr><td>6.00</td><td>1140</td><td>1115</td><td>1355</td><td></td></tr> <tr><td>6.00</td><td>1140</td><td>1115</td><td>1355</td><td></td></tr> </tbody> </table> MUD MATERIALS ADDED <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Product</th> <th>Amount</th> <th>Type</th> </tr> </thead> <tbody> <tr><td>1</td><td>127</td><td>90</td></tr> <tr><td>2</td><td>127</td><td>90</td></tr> </tbody> </table> REDUCED PUMP SPEED <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Pump #</th> <th>Pressure</th> <th>Strokes/min</th> <th>Depth</th> </tr> </thead> <tbody> <tr><td>1</td><td>9000</td><td>90</td><td>2054.00</td></tr> <tr><td>2</td><td></td><td></td><td></td></tr> </tbody> </table> BOILER <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>BoilerNo</th> <th>HoursRun</th> <th>pH</th> <th>StackTemp</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td></tr> </tbody> </table> TIME LOG <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>From</th> <th>To</th> <th>Elapsed</th> <th>Code</th> <th>Details Of Operations In Sequence & Remarks</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>										Time	Depth	Deviation	Direction	Type	14:15	2028.47	69.10	73.8	DIRECTIONAL	Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density	6.00	1140	1115	1355		6.00	1140	1115	1355		Product	Amount	Type	1	127	90	2	127	90	Pump #	Pressure	Strokes/min	Depth	1	9000	90	2054.00	2				BoilerNo	HoursRun	pH	StackTemp					From	To	Elapsed	Code	Details Of Operations In Sequence & Remarks										
No	Component	OD	ID	Length																																																																																																																																																																				
1	200mm PDC Bit	200	1	0.25																																																																																																																																																																				
1	Mud Motor	175	1	8.48																																																																																																																																																																				
1	NM Pony	162	72	1.42																																																																																																																																																																				
1	NM Flex Monel	167	72	9.40																																																																																																																																																																				
1	Gap Sub	164	79	1.72																																																																																																																																																																				
1	UBHO Sub	165	65	0.80																																																																																																																																																																				
3	NM Flex Monel	167	72	27.88																																																																																																																																																																				
1	4.5XHXDS40 X/O	165	60	0.81																																																																																																																																																																				
2	4" CDS40 HWDP	101	65	18.87																																																																																																																																																																				
1	Jars	165	66	4.95																																																																																																																																																																				
46	4" CDS40 HWDP	101	65	18.87																																																																																																																																																																				
Time	Depth	Deviation	Direction	Type																																																																																																																																																																				
14:15	2028.47	69.10	73.8	DIRECTIONAL																																																																																																																																																																				
Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density																																																																																																																																																																				
6.00	1140	1115	1355																																																																																																																																																																					
6.00	1140	1115	1355																																																																																																																																																																					
Product	Amount	Type																																																																																																																																																																						
1	127	90																																																																																																																																																																						
2	127	90																																																																																																																																																																						
Pump #	Pressure	Strokes/min	Depth																																																																																																																																																																					
1	9000	90	2054.00																																																																																																																																																																					
2																																																																																																																																																																								
BoilerNo	HoursRun	pH	StackTemp																																																																																																																																																																					
From	To	Elapsed	Code	Details Of Operations In Sequence & Remarks																																																																																																																																																																				
TOUR 3										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00					END TIME: 24:00																																																																																																																																															
BITS Bit Number: 3 Size: 200 IADC Code: Manufacturer: Halliburton Type: MMD64M Serial No: 948696 Jaws: 7.9 7.9 8.7 8.7 Depth Out (m): 2122.00 Depth In (m): 1692.00 Total Drilled (m): 430.00 Cumulative Hrs Run: 29.00 Entry Date: 21-Feb-2017										DRILLING ASSEMBLY <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No</th> <th>Component</th> <th>OD</th> <th>ID</th> <th>Length</th> </tr> </thead> <tbody> <tr><td>1</td><td>200mm PDC Bit</td><td>200</td><td>1</td><td>0.25</td></tr> <tr><td>1</td><td>Mud Motor</td><td>175</td><td>1</td><td>8.48</td></tr> <tr><td>1</td><td>NM Pony</td><td>162</td><td>72</td><td>1.42</td></tr> <tr><td>1</td><td>NM Flex Monel</td><td>167</td><td>72</td><td>9.40</td></tr> <tr><td>1</td><td>Gap Sub</td><td>164</td><td>79</td><td>1.72</td></tr> <tr><td>1</td><td>UBHO Sub</td><td>165</td><td>65</td><td>0.80</td></tr> <tr><td>3</td><td>NM Flex Monel</td><td>167</td><td>72</td><td>27.88</td></tr> <tr><td>1</td><td>4.5XHXDS40 X/O</td><td>165</td><td>60</td><td>0.81</td></tr> <tr><td>2</td><td>4" CDS40 HWDP</td><td>101</td><td>65</td><td>18.87</td></tr> <tr><td>1</td><td>Jars</td><td>165</td><td>66</td><td>4.95</td></tr> <tr><td>46</td><td>4" CDS40 HWDP</td><td>101</td><td>65</td><td>18.87</td></tr> </tbody> </table> Kelly Open: -20.11 Total: 2122.00 Weight of DC: 24.00 Weight of String: 72.00										No	Component	OD	ID	Length	1	200mm PDC Bit	200	1	0.25	1	Mud Motor	175	1	8.48	1	NM Pony	162	72	1.42	1	NM Flex Monel	167	72	9.40	1	Gap Sub	164	79	1.72	1	UBHO Sub	165	65	0.80	3	NM Flex Monel	167	72	27.88	1	4.5XHXDS40 X/O	165	60	0.81	2	4" CDS40 HWDP	101	65	18.87	1	Jars	165	66	4.95	46	4" CDS40 HWDP	101	65	18.87	MUD RECORD Mud Type: Water <input type="checkbox"/> Oil <input checked="" type="checkbox"/> Time: 23:45 Density: 1150 Funnel Viscosity: 55 Fluid Loss: 10 pH: 10 Location Of Sample: tank#2 Depth: 2122.00 PVT: 66.58 Circulation: Pump # 1, Type PARALLEL, Liner Size 127, SPM 90, Pressure 34300, Hrs Run 8.00 2, Type PARALLEL, Liner Size 127, SPM 90, Pressure 34300, Hrs Run 8.00										DEVIATION SURVEYS <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Time</th> <th>Depth</th> <th>Deviation</th> <th>Direction</th> <th>Type</th> </tr> </thead> <tbody> <tr><td>22:00</td><td>2096.55</td><td>82.60</td><td>76</td><td>DIRECTIONAL</td></tr> <tr><td>23:00</td><td>2106.26</td><td>84.90</td><td>76.4</td><td>DIRECTIONAL</td></tr> </tbody> </table> SOLIDS CONTROL <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Equipment Name</th> <th>Hours Run</th> <th>Intake Density</th> <th>Over Flow Density</th> <th>Under Flow Density</th> </tr> </thead> <tbody> <tr><td>8.00</td><td>1155</td><td>1140</td><td>1530</td><td></td></tr> <tr><td>0.00</td><td>0</td><td>0</td><td>0</td><td></td></tr> </tbody> </table> MUD MATERIALS ADDED <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Product</th> <th>Amount</th> <th>Type</th> </tr> </thead> <tbody> <tr><td>1</td><td>127</td><td>90</td></tr> <tr><td>2</td><td>127</td><td>90</td></tr> </tbody> </table> REDUCED PUMP SPEED <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Pump #</th> <th>Pressure</th> <th>Strokes/min</th> <th>Depth</th> </tr> </thead> <tbody> <tr><td>1</td><td>9000</td><td>90</td><td>2054.00</td></tr> <tr><td>2</td><td></td><td></td><td></td></tr> </tbody> </table> BOILER <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>BoilerNo</th> <th>HoursRun</th> <th>pH</th> <th>StackTemp</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td></tr> </tbody> </table> TIME LOG <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>From</th> <th>To</th> <th>Elapsed</th> <th>Code</th> <th>Details Of Operations In Sequence & Remarks</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>										Time	Depth	Deviation	Direction	Type	22:00	2096.55	82.60	76	DIRECTIONAL	23:00	2106.26	84.90	76.4	DIRECTIONAL	Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density	8.00	1155	1140	1530		0.00	0	0	0		Product	Amount	Type	1	127	90	2	127	90	Pump #	Pressure	Strokes/min	Depth	1	9000	90	2054.00	2				BoilerNo	HoursRun	pH	StackTemp					From	To	Elapsed	Code	Details Of Operations In Sequence & Remarks					
No	Component	OD	ID	Length																																																																																																																																																																				
1	200mm PDC Bit	200	1	0.25																																																																																																																																																																				
1	Mud Motor	175	1	8.48																																																																																																																																																																				
1	NM Pony	162	72	1.42																																																																																																																																																																				
1	NM Flex Monel	167	72	9.40																																																																																																																																																																				
1	Gap Sub	164	79	1.72																																																																																																																																																																				
1	UBHO Sub	165	65	0.80																																																																																																																																																																				
3	NM Flex Monel	167	72	27.88																																																																																																																																																																				
1	4.5XHXDS40 X/O	165	60	0.81																																																																																																																																																																				
2	4" CDS40 HWDP	101	65	18.87																																																																																																																																																																				
1	Jars	165	66	4.95																																																																																																																																																																				
46	4" CDS40 HWDP	101	65	18.87																																																																																																																																																																				
Time	Depth	Deviation	Direction	Type																																																																																																																																																																				
22:00	2096.55	82.60	76	DIRECTIONAL																																																																																																																																																																				
23:00	2106.26	84.90	76.4	DIRECTIONAL																																																																																																																																																																				
Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density																																																																																																																																																																				
8.00	1155	1140	1530																																																																																																																																																																					
0.00	0	0	0																																																																																																																																																																					
Product	Amount	Type																																																																																																																																																																						
1	127	90																																																																																																																																																																						
2	127	90																																																																																																																																																																						
Pump #	Pressure	Strokes/min	Depth																																																																																																																																																																					
1	9000	90	2054.00																																																																																																																																																																					
2																																																																																																																																																																								
BoilerNo	HoursRun	pH	StackTemp																																																																																																																																																																					
From	To	Elapsed	Code	Details Of Operations In Sequence & Remarks																																																																																																																																																																				
TOUR 4										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 24:00					END TIME: 00:00																																																																																																																																															
BITS Bit Number: 3 Size: 200 IADC Code: Manufacturer: Halliburton Type: MMD64M Serial No: 948696 Jaws: 7.9 7.9 8.7 8.7 Depth Out (m): 2122.00 Depth In (m): 1692.00 Total Drilled (m): 430.00 Cumulative Hrs Run: 29.00 Entry Date: 21-Feb-2017										DRILLING ASSEMBLY <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No</th> <th>Component</th> <th>OD</th> <th>ID</th> <th>Length</th> </tr> </thead> <tbody> <tr><td>1</td><td>200mm PDC Bit</td><td>200</td><td>1</td><td>0.25</td></tr> <tr><td>1</td><td>Mud Motor</td><td>175</td><td>1</td><td>8.48</td></tr> <tr><td>1</td><td>NM Pony</td><td>162</td><td>72</td><td>1.42</td></tr> <tr><td>1</td><td>NM Flex Monel</td><td>167</td><td>72</td><td>9.40</td></tr> <tr><td>1</td><td>Gap Sub</td><td>164</td><td>79</td><td>1.72</td></tr> <tr><td>1</td><td>UBHO Sub</td><td>165</td><td>65</td><td>0.80</td></tr> <tr><td>3</td><td>NM Flex Monel</td><td>167</td><td>72</td><td>27.88</td></tr> <tr><td>1</td><td>4.5XHXDS40 X/O</td><td>165</td><td>60</td><td>0.81</td></tr> <tr><td>2</td><td>4" CDS40 HWDP</td><td>101</td><td>65</td><td>18.87</td></tr> <tr><td>1</td><td>Jars</td><td>165</td><td>66</td><td>4.95</td></tr> <tr><td>46</td><td>4" CDS40 HWDP</td><td>101</td><td>65</td><td>18.87</td></tr> </tbody> </table> Kelly Open: -20.11 Total: 2122.00 Weight of DC: 24.00 Weight of String: 72.00										No	Component	OD	ID	Length	1	200mm PDC Bit	200	1	0.25	1	Mud Motor	175	1	8.48	1	NM Pony	162	72	1.42	1	NM Flex Monel	167	72	9.40	1	Gap Sub	164	79	1.72	1	UBHO Sub	165	65	0.80	3	NM Flex Monel	167	72	27.88	1	4.5XHXDS40 X/O	165	60	0.81	2	4" CDS40 HWDP	101	65	18.87	1	Jars	165	66	4.95	46	4" CDS40 HWDP	101	65	18.87	MUD RECORD Mud Type: Water <input type="checkbox"/> Oil <input checked="" type="checkbox"/> Time: 23:45 Density: 1150 Funnel Viscosity: 55 Fluid Loss: 10 pH: 10 Location Of Sample: tank#2 Depth: 2122.00 PVT: 66.58 Circulation: Pump # 1, Type PARALLEL, Liner Size 127, SPM 90, Pressure 34300, Hrs Run 8.00 2, Type PARALLEL, Liner Size 127, SPM 90, Pressure 34300, Hrs Run 8.00										DEVIATION SURVEYS <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Time</th> <th>Depth</th> <th>Deviation</th> <th>Direction</th> <th>Type</th> </tr> </thead> <tbody> <tr><td>22:00</td><td>2096.55</td><td>82.60</td><td>76</td><td>DIRECTIONAL</td></tr> <tr><td>23:00</td><td>2106.26</td><td>84.90</td><td>76.4</td><td>DIRECTIONAL</td></tr> </tbody> </table> SOLIDS CONTROL <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Equipment Name</th> <th>Hours Run</th> <th>Intake Density</th> <th>Over Flow Density</th> <th>Under Flow Density</th> </tr> </thead> <tbody> <tr><td>8.00</td><td>1155</td><td>1140</td><td>1530</td><td></td></tr> <tr><td>0.00</td><td>0</td><td>0</td><td>0</td><td></td></tr> </tbody> </table> MUD MATERIALS ADDED <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Product</th> <th>Amount</th> <th>Type</th> </tr> </thead> <tbody> <tr><td>1</td><td>127</td><td>90</td></tr> <tr><td>2</td><td>127</td><td>90</td></tr> </tbody> </table> REDUCED PUMP SPEED <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Pump #</th> <th>Pressure</th> <th>Strokes/min</th> <th>Depth</th> </tr> </thead> <tbody> <tr><td>1</td><td>9000</td><td>90</td><td>2054.00</td></tr> <tr><td>2</td><td></td><td></td><td></td></tr> </tbody> </table> BOILER <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>BoilerNo</th> <th>HoursRun</th> <th>pH</th> <th>StackTemp</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td></tr> </tbody> </table> TIME LOG <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>From</th> <th>To</th> <th>Elapsed</th> <th>Code</th> <th>Details Of Operations In Sequence & Remarks</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>										Time	Depth	Deviation	Direction	Type	22:00	2096.55	82.60	76	DIRECTIONAL	23:00	2106.26	84.90	76.4	DIRECTIONAL	Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density	8.00	1155	1140	1530		0.00	0	0	0		Product	Amount	Type	1	127	90	2	127	90	Pump #	Pressure	Strokes/min	Depth	1	9000	90	2054.00	2				BoilerNo	HoursRun	pH	StackTemp					From	To	Elapsed	Code	Details Of Operations In Sequence & Remarks					
No	Component	OD	ID	Length																																																																																																																																																																				
1	200mm PDC Bit	200	1	0.25																																																																																																																																																																				
1	Mud Motor	175	1	8.48																																																																																																																																																																				
1	NM Pony	162	72	1.42																																																																																																																																																																				
1	NM Flex Monel	167	72	9.40																																																																																																																																																																				
1	Gap Sub	164	79	1.72																																																																																																																																																																				
1	UBHO Sub	165	65	0.80																																																																																																																																																																				
3	NM Flex Monel	167	72	27.88																																																																																																																																																																				
1	4.5XHXDS40 X/O	165	60	0.81																																																																																																																																																																				
2	4" CDS40 HWDP	101	65	18.87																																																																																																																																																																				
1	Jars	165	66	4.95																																																																																																																																																																				
46	4" CDS40 HWDP	101	65	18.87																																																																																																																																																																				
Time	Depth	Deviation	Direction	Type																																																																																																																																																																				
22:00	2096.55	82.60	76	DIRECTIONAL																																																																																																																																																																				
23:00	2106.26	84.90	76.4	DIRECTIONAL																																																																																																																																																																				
Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density																																																																																																																																																																				
8.00	1155	1140	1530																																																																																																																																																																					
0.00	0	0	0																																																																																																																																																																					
Product	Amount	Type																																																																																																																																																																						
1	127	90																																																																																																																																																																						
2	127	90																																																																																																																																																																						
Pump #	Pressure	Strokes/min	Depth																																																																																																																																																																					
1	9000	90	2054.00																																																																																																																																																																					
2																																																																																																																																																																								
BoilerNo	HoursRun	pH	StackTemp																																																																																																																																																																					
From	To	Elapsed	Code	Details Of Operations In Sequence & Remarks																																																																																																																																																																				

FRONT PAGE SUMMARY															DAILY CHECKS										OP RM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
License No: 32310 Well Name: ARCRS HZ PARKLAND G12-07-081-16 Tour Sheet Serial Number: BEAV15AC 20170224 1A Vendor Software Version: RMS 2016.6.14.37064 Year: 2017 Month: 02 Day: 24 Surface Location: 12-7-81-16 W6 Prov: BC Loc Type: DLS Unique Well ID: 105/04-08-081-16W6/00 Contractor: Beaver Drilling Ltd. Spud Date Time: 17-Dec-2016 23:00 Signature of Operator's Representative: Dean Boenert Signature of Contractor's Rig Manager: Shaun Low															(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/crew/month) (2) CADC Rig Safety Inspection Checklist (weekly/monthly) (3) Mast Inspection before Raising or Lowering (4) Crown Block Checked (5) Motor Vibs Checked										 																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
<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> </tr> </thead> <tbody> <tr> <td rowspan="4">HOURS</td> <td>Rig Up</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Drill Actual</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Reaming</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Coring</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Core Mud & Circ</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Tips</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Rig Service</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Repair Rig</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Cut Off Drill Line</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Dev Survey</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Wireline Logs</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Run Cap & Cement</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Wait On Cement</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Nipple BOP</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Test BOP</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Drillstem Test</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Plug Back</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Squeeze Cement</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Fishing</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Dr Work</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Safety Meeting</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Tear Down</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Waiting On</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Rig Watch</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <td>Other</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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></td> <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> </tr> <tr> <td></td> <td>8.00</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><td></td> </tr> <tr> <td></td> <td>8.00</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><td></td> </tr> <tr> <td></td> <td>8.00</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><td></td> </tr> <tr> <td></td> <td>24.00</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><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	HOURS	Rig Up																									Drill Actual																									Reaming																									Coring																										Core Mud & Circ																										Tips																										Rig Service																										Repair Rig																										Cut Off Drill Line																										Dev Survey																										Wireline Logs																										Run Cap & 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																										TOTAL																										8.00																										8.00																										8.00																										24.00																									Rainy: 6.6 Top Fuel: 3320 FUEL @ 08:00 HRS 17236 7100 05:30 -11 OVERCAST Wind Direction: N Wind Strength: UP TO 15 KM/H Road Condition: POOR	
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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
HOURS	Rig Up																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Drill Actual																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Reaming																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Coring																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Core Mud & Circ																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Tips																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Rig Service																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Repair Rig																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Cut Off Drill Line																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Dev Survey																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Wireline Logs																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Run Cap & 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	8.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	8.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	8.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	24.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
TOUR 1 SIGNATURE OF DRILLER: Jordan Cawsey															START TIME: 0:00 END TIME: 8:00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
BITS Bit Number: 4 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E229398 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 2122.00 Depth In (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 0.00 Entry Date: 24-Feb-2017															DRILLING ASSEMBLY <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No</th> <th>Component</th> <th>OD</th> <th>ID</th> <th>Length</th> </tr> </thead> <tbody> <tr><td>1</td><td>159mm PDC Bit</td><td>159</td><td>1</td><td>0.22</td></tr> <tr><td>1</td><td>475 Mud Motor</td><td>125</td><td>1</td><td>9.16</td></tr> <tr><td>1</td><td>Slide reamer</td><td>130</td><td>58</td><td>1.44</td></tr> <tr><td>1</td><td>4.75" Flex monel</td><td>115</td><td>70</td><td>9.21</td></tr> <tr><td>1</td><td>Gap sub</td><td>130</td><td>68</td><td>1.71</td></tr> <tr><td>2</td><td>4.75" Flex monel</td><td>115</td><td>70</td><td>18.46</td></tr> <tr><td>1</td><td>4.75" X/O</td><td>128</td><td>60</td><td>0.80</td></tr> <tr><td>5</td><td>4" CDS40 Drill Pipe</td><td>102</td><td>64</td><td>48.53</td></tr> <tr><td>1</td><td>Drilling Jars</td><td>130</td><td>58</td><td>6.18</td></tr> <tr><td>193</td><td>4" CDS40 Drill Pipe</td><td>102</td><td>64</td><td>192.2</td></tr> <tr><td>18</td><td>4" CDS40 HWDP</td><td>101</td><td>65</td><td>176.4</td></tr> </tbody> </table> Kelly Down: -24.49 Total: 2122.00 Weight of DC: 24.00 Weight of String: 70.00										No	Component	OD	ID	Length	1	159mm PDC Bit	159	1	0.22	1	475 Mud Motor	125	1	9.16	1	Slide reamer	130	58	1.44	1	4.75" Flex monel	115	70	9.21	1	Gap sub	130	68	1.71	2	4.75" Flex monel	115	70	18.46	1	4.75" X/O	128	60	0.80	5	4" CDS40 Drill Pipe	102	64	48.53	1	Drilling Jars	130	58	6.18	193	4" CDS40 Drill Pipe	102	64	192.2	18	4" CDS40 HWDP	101	65	176.4	MUD RECORD Mud Type: Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Time: 05:30 Density: 1155 Funnel Viscosity: 59 Fluid Loss: pH Location Of Sample: tank#2 Depth: 2122.00 PVT: 60.33 Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 1 0 0.00 2 SINGLE 127 1 0 0.00										DEVIATION SURVEYS <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Time</th> <th>Depth</th> <th>Deviation</th> <th>Direction</th> <th>Type</th> </tr> </thead> <tbody> <tr><td>7:30</td><td>8:00</td><td>0.50</td><td>21D</td><td></td></tr> </tbody> </table> SOLIDS CONTROL <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Equipment Name</th> <th>Hours Run</th> <th>Intake Density</th> <th>Over Flow Density</th> <th>Under Flow Density</th> </tr> </thead> <tbody> <tr><td>Equipment 1</td><td>0.00</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>Equipment 2</td><td>0.00</td><td>0</td><td>0</td><td>0</td></tr> </tbody> </table> MUD MATERIALS ADDED <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Product</th> <th>Amount</th> <th>Type</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td></tr> </tbody> </table>										Time	Depth	Deviation	Direction	Type	7:30	8:00	0.50	21D		Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density	Equipment 1	0.00	0	0	0	Equipment 2	0.00	0	0	0	Product	Amount	Type				TIME LOG Details Of Operations In Sequence & Remarks Crew hand-over & safety discussion. Discuss hazard id's and daily tasks. Reviewed JSA's. Remarks: Boiler #2 fuel @ 05:00 hrs: 6192 liters. Hazard id: We caught our pill while tripping and worker tried to stop the mist coming out of the pipe with his hands / my reaction is to immediately move the stand down to prevent a mess and his hands were in a potential crush point. We chatted and agreed if it happened again he would get the KatchKan rather than trying to stop it with his hands.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
No	Component	OD	ID	Length																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	159mm PDC Bit	159	1	0.22																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	475 Mud Motor	125	1	9.16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	Slide reamer	130	58	1.44																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	4.75" Flex monel	115	70	9.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	Gap sub	130	68	1.71																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
2	4.75" Flex monel	115	70	18.46																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	4.75" X/O	128	60	0.80																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
5	4" CDS40 Drill Pipe	102	64	48.53																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	Drilling Jars	130	58	6.18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
193	4" CDS40 Drill Pipe	102	64	192.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
18	4" CDS40 HWDP	101	65	176.4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Time	Depth	Deviation	Direction	Type																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
7:30	8:00	0.50	21D																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Equipment 1	0.00	0	0	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Equipment 2	0.00	0	0	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Product	Amount	Type																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
TOUR 2 SIGNATURE OF DRILLER: Stefan Polny															START TIME: 8:00 END TIME: 16:00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
BITS Bit Number: 4 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E229398 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 2122.00 Depth In (m): 82.00 Total Drilled (m): 1.50 Hrs Run Today: 1.50 Cumulative Hrs Run: 1.50 Entry Date: 24-Feb-2017															DRILLING ASSEMBLY <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No</th> <th>Component</th> <th>OD</th> <th>ID</th> <th>Length</th> </tr> </thead> <tbody> <tr><td>1</td><td>159mm PDC Bit</td><td>159</td><td>1</td><td>0.22</td></tr> <tr><td>1</td><td>475 Mud Motor</td><td>125</td><td>1</td><td>9.16</td></tr> <tr><td>1</td><td>Slide reamer</td><td>130</td><td>58</td><td>1.44</td></tr> <tr><td>1</td><td>4.75" Flex monel</td><td>115</td><td>70</td><td>9.21</td></tr> <tr><td>1</td><td>Gap sub</td><td>130</td><td>68</td><td>1.71</td></tr> <tr><td>2</td><td>4.75" Flex monel</td><td>115</td><td>70</td><td>18.46</td></tr> <tr><td>1</td><td>4.75" X/O</td><td>128</td><td>60</td><td>0.80</td></tr> <tr><td>5</td><td>4" CDS40 Drill Pipe</td><td>102</td><td>64</td><td>48.53</td></tr> <tr><td>1</td><td>Drilling Jars</td><td>130</td><td>58</td><td>6.18</td></tr> <tr><td>193</td><td>4" CDS40 Drill Pipe</td><td>102</td><td>64</td><td>192.2</td></tr> <tr><td>27</td><td>4" CDS40 HWDP</td><td>101</td><td>65</td><td>256.2</td></tr> </tbody> </table> Kelly Down: -21.90 Total: 2204.00 Weight of DC: 21.00 Weight of String: 67.00										No	Component	OD	ID	Length	1	159mm PDC Bit	159	1	0.22	1	475 Mud Motor	125	1	9.16	1	Slide reamer	130	58	1.44	1	4.75" Flex monel	115	70	9.21	1	Gap sub	130	68	1.71	2	4.75" Flex monel	115	70	18.46	1	4.75" X/O	128	60	0.80	5	4" CDS40 Drill Pipe	102	64	48.53	1	Drilling Jars	130	58	6.18	193	4" CDS40 Drill Pipe	102	64	192.2	27	4" CDS40 HWDP	101	65	256.2	MUD RECORD Mud Type: Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Time: 16:00 Density: 1165 Funnel Viscosity: 65 Fluid Loss: 0 pH Location Of Sample: Trough Depth: 2203.98 PVT: 66.59 Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 120 28000 3.00 2 SINGLE 127 1 28000 0.00										DEVIATION SURVEYS <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Time</th> <th>Depth</th> <th>Deviation</th> <th>Direction</th> <th>Type</th> </tr> </thead> <tbody> <tr><td>15:45</td><td>2180.05</td><td>92.60</td><td>89.1</td><td>DIRECTIONAL</td></tr> </tbody> </table> SOLIDS CONTROL <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Equipment Name</th> <th>Hours Run</th> <th>Intake Density</th> <th>Over Flow Density</th> <th>Under Flow Density</th> </tr> </thead> <tbody> <tr><td>Equipment 1</td><td>2.00</td><td>1170</td><td>1135</td><td>1390</td></tr> <tr><td>Equipment 2</td><td>0.00</td><td>0</td><td>0</td><td>0</td></tr> </tbody> </table> MUD MATERIALS ADDED <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Product</th> <th>Amount</th> <th>Type</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td></tr> </tbody> </table>										Time	Depth	Deviation	Direction	Type	15:45	2180.05	92.60	89.1	DIRECTIONAL	Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density	Equipment 1	2.00	1170	1135	1390	Equipment 2	0.00	0	0	0	Product	Amount	Type				TIME LOG Details Of Operations In Sequence & Remarks Remarks: **Completed service & visual inspection of PipeCat.** Hazard ID: Noticed the Drawworks drum area had an abundance of drilling line wickers. / Inspected the line & cleaned work area prior to slip & cut of drilling line.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
No	Component	OD	ID	Length																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	159mm PDC Bit	159	1	0.22																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	475 Mud Motor	125	1	9.16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	Slide reamer	130	58	1.44																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	4.75" Flex monel	115	70	9.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	Gap sub	130	68	1.71																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
2	4.75" Flex monel	115	70	18.46																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	4.75" X/O	128	60	0.80																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
5	4" CDS40 Drill Pipe	102	64	48.53																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	Drilling Jars	130	58	6.18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
193	4" CDS40 Drill Pipe	102	64	192.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
27	4" CDS40 HWDP	101	65	256.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Time	Depth	Deviation	Direction	Type																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15:45	2180.05	92.60	89.1	DIRECTIONAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Equipment 1	2.00	1170	1135	1390																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Equipment 2	0.00	0	0	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Product	Amount	Type																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
TOUR 3 SIGNATURE OF DRILLER: Jordan Cawsey															START TIME: 16:00 END TIME: 24:00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
BITS Bit Number: 4 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E229398 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 2122.00 Depth In (m): 565.00 Total Drilled (m): 4.50 Hrs Run Today: 6.00 Cumulative Hrs Run: 6.00 Entry Date: 24-Feb-2017															DRILLING ASSEMBLY <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No</th> <th>Component</th> <th>OD</th> <th>ID</th> <th>Length</th> </tr> </thead> <tbody> <tr><td>1</td><td>159mm PDC Bit</td><td>159</td><td>1</td><td>0.22</td></tr> <tr><td>1</td><td>475 Mud Motor</td><td>125</td><td>1</td><td>9.16</td></tr> <tr><td>1</td><td>Slide reamer</td><td>130</td><td>58</td><td>1.44</td></tr> <tr><td>1</td><td>4.75" Flex monel</td><td>115</td><td>70</td><td>9.21</td></tr> <tr><td>1</td><td>Gap sub</td><td>130</td><td>68</td><td>1.71</td></tr> <tr><td>2</td><td>4.75" Flex monel</td><td>115</td><td>70</td><td>18.46</td></tr> <tr><td>1</td><td>4.75" X/O</td><td>128</td><td>60</td><td>0.80</td></tr> <tr><td>5</td><td>4" CDS40 Drill Pipe</td><td>102</td><td>64</td><td>48.53</td></tr> <tr><td>1</td><td>Drilling Jars</td><td>130</td><td>58</td><td>6.18</td></tr> <tr><td>193</td><td>4" CDS40 Drill Pipe</td><td>102</td><td>64</td><td>192.2</td></tr> <tr><td>48</td><td>4" CDS40 HWDP</td><td>101</td><td>65</td><td>455.3</td></tr> </tbody> </table> Kelly Down: -0.19 Total: 2687.00 Weight of DC: 0.00 Weight of String: 68.00										No	Component	OD	ID	Length	1	159mm PDC Bit	159	1	0.22	1	475 Mud Motor	125	1	9.16	1	Slide reamer	130	58	1.44	1	4.75" Flex monel	115	70	9.21	1	Gap sub	130	68	1.71	2	4.75" Flex monel	115	70	18.46	1	4.75" X/O	128	60	0.80	5	4" CDS40 Drill Pipe	102	64	48.53	1	Drilling Jars	130	58	6.18	193	4" CDS40 Drill Pipe	102	64	192.2	48	4" CDS40 HWDP	101	65	455.3	MUD RECORD Mud Type: Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Time: 21:45 23:45 Density: 1180 1180 Funnel Viscosity: 62 61 Fluid Loss: pH Location Of Sample: trough trough Depth: 2497.55 2685.66 PVT: 76.83 70.94 Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 120 34000 8.00 2 SINGLE 127 1 34000 0.00										DEVIATION SURVEYS <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Time</th> <th>Depth</th> <th>Deviation</th> <th>Direction</th> <th>Type</th> </tr> </thead> <tbody> <tr><td>17:45</td><td>2246.44</td><td>90.40</td><td>105.5</td><td>DIRECTIONAL</td></tr> <tr><td>18:00</td><td>2255.89</td><td>91.00</td><td>107.4</td><td>DIRECTIONAL</td></tr> <tr><td>18:00</td><td>2265.86</td><td>90.10</td><td>109.8</td><td>DIRECTIONAL</td></tr> <tr><td>18:30</td><td>2274.83</td><td>88.20</td><td>111.8</td><td>DIRECTIONAL</td></tr> <tr><td>18:45</td><td>2284.34</td><td>86.90</td><td>113.8</td><td>DIRECTIONAL</td></tr> <tr><td>19:00</td><td>2293.89</td><td>87.00</td><td>116.3</td><td>DIRECTIONAL</td></tr> </tbody> </table> SOLIDS CONTROL <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Equipment Name</th> <th>Hours Run</th> <th>Intake Density</th> <th>Over Flow Density</th> <th>Under Flow Density</th> </tr> </thead> <tbody> <tr><td>Equipment 1</td><td>8.00</td><td>1180</td><td>1150</td><td>1950</td></tr> <tr><td>Equipment 2</td><td>2.00</td><td>1180</td><td>1150</td><td>1950</td></tr> </tbody> </table> MUD MATERIALS ADDED <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Product</th> <th>Amount</th> <th>Type</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td></tr> </tbody> </table>										Time	Depth	Deviation	Direction	Type	17:45	2246.44	90.40	105.5	DIRECTIONAL	18:00	2255.89	91.00	107.4	DIRECTIONAL	18:00	2265.86	90.10	109.8	DIRECTIONAL	18:30	2274.83	88.20	111.8	DIRECTIONAL	18:45	2284.34	86.90	113.8	DIRECTIONAL	19:00	2293.89	87.00	116.3	DIRECTIONAL	Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density	Equipment 1	8.00	1180	1150	1950	Equipment 2	2.00	1180	1150	1950	Product	Amount	Type				TIME LOG Details Of Operations In Sequence & Remarks Remarks: Hazard id: Worker was wearing dirty safety glasses / asked him to go inside and clean them.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
No	Component	OD	ID	Length																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	159mm PDC Bit	159	1	0.22																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	475 Mud Motor	125	1	9.16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	Slide reamer	130	58	1.44																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	4.75" Flex monel	115	70	9.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	Gap sub	130	68	1.71																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
2	4.75" Flex monel	115	70	18.46																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	4.75" X/O	128	60	0.80																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
5	4" CDS40 Drill Pipe	102	64	48.53																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	Drilling Jars	130	58	6.18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
193	4" CDS40 Drill Pipe	102	64	192.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
48	4" CDS40 HWDP	101	65	455.3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Time	Depth	Deviation	Direction	Type																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
17:45	2246.44	90.40	105.5	DIRECTIONAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
18:00	2255.89	91.00	107.4	DIRECTIONAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
18:00	2265.86	90.10	109.8	DIRECTIONAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
18:30	2274.83	88.20	111.8	DIRECTIONAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
18:45	2284.34	86.90	113.8	DIRECTIONAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
19:00	2293.89	87.00	116.3	DIRECTIONAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Equipment 1	8.00	1180	1150	1950																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Equipment 2	2.00	1180	1150	1950																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Product	Amount	Type																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
TOUR 4 SIGNATURE OF DRILLER: Jordan Cawsey															START TIME: 0:00 END TIME: 8:00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
BITS Bit Number: 4 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E229398 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 2122.00 Depth In (m): 565.00 Total Drilled (m): 4.50 Hrs Run Today: 6.00 Cumulative Hrs Run: 6.00 Entry Date: 24-Feb-2017															DRILLING ASSEMBLY <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No</th> <th>Component</th> <th>OD</th> <th>ID</th> <th>Length</th> </tr> </thead> <tbody> <tr><td>1</td><td>159mm PDC Bit</td><td>159</td><td>1</td><td>0.22</td></tr> <tr><td>1</td><td>475 Mud Motor</td><td>125</td><td>1</td><td>9.16</td></tr> <tr><td>1</td><td>Slide reamer</td><td>130</td><td>58</td><td>1.44</td></tr> <tr><td>1</td><td>4.75" Flex monel</td><td>115</td><td>70</td><td>9.21</td></tr> <tr><td>1</td><td>Gap sub</td><td>130</td><td>68</td><td>1.71</td></tr> <tr><td>2</td><td>4.75" Flex monel</td><td>115</td><td>70</td><td>18.46</td></tr> <tr><td>1</td><td>4.75" X/O</td><td>128</td><td>60</td><td>0.80</td></tr> <tr><td>5</td><td>4" CDS40 Drill Pipe</td><td>102</td><td>64</td><td>48.53</td></tr> <tr><td>1</td><td>Drilling Jars</td><td>130</td><td>58</td><td>6.18</td></tr> <tr><td>193</td><td>4" CDS40 Drill Pipe</td><td>102</td><td>64</td><td>192.2</td></tr> <tr><td>48</td><td>4" CDS40 HWDP</td><td>101</td><td>65</td><td>455.3</td></tr> </tbody> </table> Kelly Down: -0.19 Total: 2687.00 Weight of DC: 0.00 Weight of String: 68.00										No	Component	OD	ID	Length	1	159mm PDC Bit	159	1	0.22	1	475 Mud Motor	125	1	9.16	1	Slide reamer	130	58	1.44	1	4.75" Flex monel	115	70	9.21	1	Gap sub	130	68	1.71	2	4.75" Flex monel	115	70	18.46	1	4.75" X/O	128	60	0.80	5	4" CDS40 Drill Pipe	102	64	48.53	1	Drilling Jars	130	58	6.18	193	4" CDS40 Drill Pipe	102	64	192.2	48	4" CDS40 HWDP	101	65	455.3	MUD RECORD Mud Type: Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Time: 21:45 23:45 Density: 1180 1180 Funnel Viscosity: 62 61 Fluid Loss: pH Location Of Sample: trough trough Depth: 2497.55 2685.66 PVT: 76.83 70.94 Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 120 34000 8.00 2 SINGLE 127 1 34000 0.00										DEVIATION SURVEYS <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Time</th> <th>Depth</th> <th>Deviation</th> <th>Direction</th> <th>Type</th> </tr> </thead> <tbody> <tr><td>17:45</td><td>2246.44</td><td>90.40</td><td>105.5</td><td>DIRECTIONAL</td></tr> <tr><td>18:00</td><td>2255.89</td><td>91.00</td><td>107.4</td><td>DIRECTIONAL</td></tr> <tr><td>18:00</td><td>2265.86</td><td>90.10</td><td>109.8</td><td>DIRECTIONAL</td></tr> <tr><td>18:30</td><td>2274.83</td><td>88.20</td><td>111.8</td><td>DIRECTIONAL</td></tr> <tr><td>18:45</td><td>2284.34</td><td>86.90</td><td>113.8</td><td>DIRECTIONAL</td></tr> <tr><td>19:00</td><td>2293.89</td><td>87.00</td><td>116.3</td><td>DIRECTIONAL</td></tr> </tbody> </table> SOLIDS CONTROL <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Equipment Name</th> <th>Hours Run</th> <th>Intake Density</th> <th>Over Flow Density</th> <th>Under Flow Density</th> </tr> </thead> <tbody> <tr><td>Equipment 1</td><td>8.00</td><td>1180</td><td>1150</td><td>1950</td></tr> <tr><td>Equipment 2</td><td>2.00</td><td>1180</td><td>1150</td><td>1950</td></tr> </tbody> </table> MUD MATERIALS ADDED <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Product</th> <th>Amount</th> <th>Type</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td></tr> </tbody> </table>										Time	Depth	Deviation	Direction	Type	17:45	2246.44	90.40	105.5	DIRECTIONAL	18:00	2255.89	91.00	107.4	DIRECTIONAL	18:00	2265.86	90.10	109.8	DIRECTIONAL	18:30	2274.83	88.20	111.8	DIRECTIONAL	18:45	2284.34	86.90	113.8	DIRECTIONAL	19:00	2293.89	87.00	116.3	DIRECTIONAL	Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density	Equipment 1	8.00	1180	1150	1950	Equipment 2	2.00	1180	1150	1950	Product	Amount	Type				TIME LOG Details Of Operations In Sequence & Remarks Remarks: Hazard id: Worker was wearing dirty safety glasses / asked him to go inside and clean them.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
No	Component	OD	ID	Length																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	159mm PDC Bit	159	1	0.22																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	475 Mud Motor	125	1	9.16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	Slide reamer	130	58	1.44																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	4.75" Flex monel	115	70	9.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	Gap sub	130	68	1.71																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
2	4.75" Flex monel	115	70	18.46																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	4.75" X/O	128	60	0.80																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
5	4" CDS40 Drill Pipe	102	64	48.53																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	Drilling Jars	130	58	6.18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
193	4" CDS40 Drill Pipe	102	64	192.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
48	4" CDS40 HWDP	101	65	455.3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Time	Depth	Deviation	Direction	Type																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
17:45	2246.44	90.40	105.5	DIRECTIONAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
18:00	2255.89	91.00	107.4	DIRECTIONAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
18:00	2265.86	90.10	109.8	DIRECTIONAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
18:30	2274.83	88.20	111.8	DIRECTIONAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
18:45	2284.34	86.90	113.8	DIRECTIONAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
19:00	2293.89	87.00	116.3	DIRECTIONAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Equipment 1	8.00	1180	1150	1950																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Equipment 2	2.00	1180	1150	1950																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Product	Amount	Type																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

FRONT PAGE SUMMARY										Tour Sheet Number		Vendor Software Version		Year		Month		Day		DAILY CHECKS										OP RM																																																																																																																																																																																																																							
32310 ARGRES HZ PARKLAND G12-07-081-16										BEAV15AC 20170225 1A		RMS 2016.6.14.37064		2017		02		25		(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) HSE 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/week/month) (9) CADCDC Rig Safety Inspection Checklist (weekly/monthly) (10) Mast Inspection before Raising or Lowering (11) Crown Block Checked (12) Motor Kicks Checked										(1) Rig Site Health & Safety Meeting (once/week/month) (2) CADCDC Rig Safety Inspection Checklist (weekly/monthly) (3) Mast Inspection before Raising or Lowering (4) Crown Block Checked (5) Motor Kicks Checked																																																																																																																																																																																																																							
License No: 32310 Well Name: ARGRES HZ PARKLAND G12-07-081-16 Contractor: Beaver Drilling Ltd. Operator's PPE: 0X47 Signature of Operator's Representative: Dan Meyer Signature of Contractor's Rig Manager: Shaun Low										12-7-81-16 W6		BC		DLS		15AC		HORIZ		17-Dec-2016		23:00																																																																																																																																																																																																																															
<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 colspan="2">FUEL @ 08:00 HRS</th> </tr> </thead> <tbody> <tr> <td>Tour 1</td> <td></td><td>3.50</td><td></td><td></td><td></td><td>1.25</td><td>0.50</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>1.75</td><td>0.50</td><td></td><td></td><td></td> <td>8.00</td> <td>14178</td> </tr> <tr> <td>Tour 2</td> <td></td><td></td><td></td><td></td><td></td><td></td><td>5.50</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>1.75</td><td>0.25</td><td></td><td></td><td></td> <td>8.00</td> <td>7100</td> </tr> <tr> <td>Tour 3</td> <td></td><td></td><td></td><td></td><td></td><td></td><td>4.75</td><td></td><td></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>0.75</td><td></td><td></td><td></td> <td>8.00</td> <td></td> </tr> <tr> <td>TOTAL</td> <td></td><td>3.50</td><td></td><td></td><td></td><td>1.25</td><td>10.75</td><td>1.00</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>6.00</td><td>1.50</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	FUEL @ 08:00 HRS		Tour 1		3.50				1.25	0.50	0.50													1.75	0.50				8.00	14178	Tour 2							5.50	0.50													1.75	0.25				8.00	7100	Tour 3							4.75														2.50	0.75				8.00		TOTAL		3.50				1.25	10.75	1.00													6.00	1.50				24.00		6.6		3562																																																																													
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																																																																																																																																																																																																																											
Tour 1		3.50				1.25	0.50	0.50													1.75	0.50				8.00	14178																																																																																																																																																																																																																										
Tour 2							5.50	0.50													1.75	0.25				8.00	7100																																																																																																																																																																																																																										
Tour 3							4.75														2.50	0.75				8.00																																																																																																																																																																																																																											
TOTAL		3.50				1.25	10.75	1.00													6.00	1.50				24.00																																																																																																																																																																																																																											
TOUR 1 SIGNATURE OF DRILLER: Jordan Cawsey 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> </thead> <tbody> <tr> <td colspan="2"> Bit Number: 4 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E229398 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 2122.00 Depth In (m): 933.00 Total Drilled (m): 3.50 Hrs Run Today: 9.50 Cumulative Hrs Run: 24-Feb-2017 Entry Date: 24-Feb-2017 </td> <td colspan="2"> No: 1 Component: 159mm PDC Bit OD: 159 ID: 102.2 Length: 1.816 1 475 Mud Motor 125 1 9.16 1 Slide reamer 130 58 1.44 1 4.75" Flex monel 115 70 9.21 1 Gap sub 130 68 1.71 2 4.75" Flex monel 115 70 18.40 1 4.75" X/O 128 60 0.80 5 4" CDS40 Drill Pipe 102 64 48.53 1 Drilling Jars 130 58 6.18 193 4" CDS40 Drill Pipe 102 64 129.23 48 4" CDS40 HWDP 101 65 45.51 </td> <td colspan="2"> Mud Type: Water Other: <input checked="" type="checkbox"/> Time: 00:30 03:00 Density: 1180 1180 Funnel Viscosity: 60 59 Fluid Loss: pH Location of Sample: trough trough Depth: 2717.00 2890.00 PVT: 68 63.89 Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 120 34000 6.00 2 SINGLE 127 120 34000 1.00 </td> <td colspan="2"> Time: 00:15 2669.79 88.80 120.2 00:45 2698.90 90.00 117.9 01:00 2727.99 90.30 118.7 01:15 2757.10 91.80 118.4 02:00 2786.20 91.00 119.3 02:30 2815.31 90.30 121 SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 7.00 1180 1150 1950 7.00 1180 1150 1950 MUD MATERIALS ADDED Product Amount Type Base Oil 8 m3 EnerBar 36 sxs </td> <td colspan="2"> From: 0:00 To: 0:30 Elapsed: 0:50 Code: 7 Details Of Operations In Sequence & Remarks Rig & Top Drive Service. Functioned Rig Smart crown saver, high & low travel stops / limits. MCWS & ZMS. Serviced hydraulic BOP & functional lower manual BOP. Visual inspection & service of PS-21 slips & inserts. Functioned Lower Pipe Rams 6 seconds to close. Conducted level 1 visual inspection of Drawworks, PipeCat, Mast & all over-head equipment. Completed pre-shift fall protection equipment visual inspection. Visual inspection of BOP & valves completed by Luke Hardy & Dan Meyer. 0:30 4:00 3:50 2 Directional drill 159mm lateral section of main hole from 2887m to 3055m MD. Pump Rate - 1.27 m3/min, WOB - 12 kdaN, Rotary - 70 RPM, Pump Pressure -34,000 kPa, Torque - 12,000 ft/lbs, Diff Pressure - 8,200 kPa. Sliding Parameters: WOB - 24kdaN, Diff Pressure- 3,500 kPa. 4:00 5:45 1:75 20A Accumulated EM survey & connection time. 5:45 7:00 1:25 5 Circulate & condition hole. Check all surface equipment for pressure loss, everything appears to be ok. Review JSA. Flow check at 3035m. Pump 3.2m3 1445kg/m3 weighted pill with a 0.73m3 recovery. 7:00 7:30 0:50 21D Crew hand-over & safety discussion. Discuss hazard id's and daily tasks. Review JSA. 7:30 8:00 0:50 6B Trip out of hole to verify pressure loss in drill string at 30m/min from 3055m to 2821m MD. Flowcheck at 2908m. </td> </tr> <tr> <td colspan="2"> CUTTING STRUCTURE TO: 1 MD: 2 LOC: CT BSG: S 98.21 </td> <td colspan="2"> HOLE CONDITION Hole Drag Up 5 Down 15 Torque At Bottom 12000 Fill On Bottom 0.00 </td> <td colspan="2"> REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 8500 @ 60 @ 2885.00 1 8550 @ 60 @ 2918.00 </td> <td colspan="2"> BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450 </td> <td colspan="2"> SAFETY Safety Topic MEHL MACP Lock out / Tag out 76 2995 </td> </tr> <tr> <td colspan="10">TOUR 2 SIGNATURE OF DRILLER: Stefan Polny</td> <td colspan="16">START TIME: 8:00 END TIME: 16:00</td> </tr> <tr> <td colspan="26"> <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 colspan="2"> Bit Number: 5 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E231878 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 3055.00 Depth In (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 25-Feb-2017 Entry Date: 25-Feb-2017 </td> <td colspan="2"> No: 1 Component: 159mm PDC Bit OD: 159 ID: 102.2 Length: 1.816 1 475 Mud Motor 125 1 9.16 1 Slide reamer 130 58 1.44 1 4.75" Flex monel 115 70 9.21 1 Gap sub 130 68 1.71 2 4.75" Flex monel 115 70 18.40 1 4.75" X/O 128 60 0.80 5 4" CDS40 Drill Pipe 102 64 48.53 1 Drilling Jars 130 58 6.18 193 4" CDS40 Drill Pipe 102 64 129.23 48 4" CDS40 HWDP 101 65 45.51 </td> <td colspan="2"> Mud Type: Water Other: <input checked="" type="checkbox"/> Time: 08:00 12:00 Density: 1190 1190 Funnel Viscosity: 74 73 Fluid Loss: pH Location of Sample: Suction Suction Depth: 3055.00 3055.00 PVT: 47.37 40.42 Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 1 0 0.00 2 SINGLE 127 1 0 0.00 </td> <td colspan="2"> Time: 13:30 13:45 0:15 13:45 14:15 0:50 21D SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 0.00 0 0 0 0.00 0 0 0 MUD MATERIALS ADDED Product Amount Type EnerTone D 1 sxs Lime Hydrated 25 sxs </td> <td colspan="2"> From: 8:00 To: 13:30 Elapsed: 5:50 Code: 6B Details Of Operations In Sequence & Remarks Trip out of hole to verify pressure loss in drill string at 30m/min from 2821m to 50m MD. Flowcheck at 2908m, 1460m, & 528m MD. Cullied 5 joints of CDS40 101.6mm HWDP with poor hand banding. 13:30 13:45 0:15 21D Safety meeting & JSA review with New Discovery. 13:45 14:15 0:50 7 Rig & Top Drive Service while working on gap sub. Functioned Rig Smart crown saver, high & low travel stops / limits, MCWS & ZMS. Visual inspection & service of PS-21 slips & inserts. Functioned annular preventer, 16 seconds to close. Conducted level 1 visual inspection of Drawworks, PipeCat, Mast & all over-head equipment. Completed pre-shift fall protection equipment visual inspection. Visual inspection of BOP & valves completed by Shaun Low & Dan Meyer. 14:15 16:00 1:75 20A Handle New Discovery directional tools; (Pressure loss due to wash around set screw in antenna port on gap sub). Rack 2- flex monels in derrick with 1 - 101.6mm DP. Drain mud motor, break PDC Bit #4. Out of hole - Flow check at 0m, Function HCR 2 seconds to open & blind rams 4 seconds to close. Trip record; Calculated 11.65m3, Measured 13.20m3, Difference 1.55m3. Make up PDC Bit #5. Break gap sub & remove EM tool. Makeup new Gap sub & build EM tool. EM tool Power failure. Break down EM tool to change battery in Gap sub. </td> </tr> <tr> <td colspan="2"> CUTTING STRUCTURE TO: 1 MD: 2 LOC: CT BSG: S 98.21 </td> <td colspan="2"> HOLE CONDITION Hole Drag Up 0 Down 0 Torque At Bottom 0 Fill On Bottom 0.00 </td> <td colspan="2"> REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 4300 @ 60 @ 447.00 1 4900 @ 60 @ 856.00 </td> <td colspan="2"> BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450 </td> <td colspan="2"> SAFETY Safety Topic MEHL MACP Confined space rescue drill 67 2995 </td> </tr> <tr> <td colspan="10">TOUR 3 SIGNATURE OF DRILLER: Jordan Cawsey</td> <td colspan="16">START TIME: 16:00 END TIME: 24:00</td> </tr> <tr> <td colspan="26"> <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 colspan="2"> Bit Number: 5 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E231878 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 3055.00 Depth In (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 25-Feb-2017 Entry Date: 25-Feb-2017 </td> <td colspan="2"> No: 1 Component: 159mm PDC Bit OD: 159 ID: 102.2 Length: 1.816 1 475 Mud Motor 125 1 9.16 1 Slide reamer 130 58 1.44 1 4.75" Flex monel 115 70 9.21 1 Gap sub 130 68 1.71 2 4.75" Flex monel 115 70 18.40 1 4.75" X/O 128 60 0.80 5 4" CDS40 Drill Pipe 102 64 48.53 1 Drilling Jars 130 58 6.18 193 4" CDS40 Drill Pipe 102 64 129.23 48 4" CDS40 HWDP 101 65 45.51 </td> <td colspan="2"> Mud Type: Water Other: <input checked="" type="checkbox"/> Time: 19:30 21:45 Density: 1195 1195 Funnel Viscosity: 74 74 Fluid Loss: pH Location of Sample: tank#2 tank #2 Depth: 3055.00 3055.00 PVT: 41.5 38.49 Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 120 15000 1.00 2 SINGLE 127 120 15000 1.00 </td> <td colspan="2"> Time: 17:15 19:00 1:75 6A SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 0.00 0 0 0 0.00 0 0 0 MUD MATERIALS ADDED Product Amount Type EnerBar 30 sxs </td> <td colspan="2"> From: 16:00 To: 17:15 Elapsed: 1:15 Code: 20D Details Of Operations In Sequence & Remarks Continue to handle New Discovery directional tools; Replace battery & antennas in new gap sub. Rebuild EM tool & power on. Scribe motor. Make up 2 - flex monels, 5 - 101.6mm DP & Drilling Jars. 17:15 19:00 1:75 6A Trip in hole at 45m/min from 95m to 963m MD. Flow check @ 447m MD. Fill pipe @ 447m, 963m MD. 19:00 19:30 0:50 21 Crew hand-over & safety discussion. Discuss hazard id's and daily tasks. Review JSA. 19:30 20:15 0:75 6B Continue to trip in the hole at 45m/min from 963m to 1131m MD. (EM tool failure) 20:15 22:30 2:25 6B Trip out of the hole to replace Gap sub & EM tool @ 45m/min from 1131m to 96m MD. Pump 3.10m3 of 1475kg/m3 weighted pill with a recovery of 0.73m3. Flowcheck @ 1064m and 283m MD. 22:30 22:45 0:25 21D Safety meeting & JSA review with New Discovery Directional prior to handling directional tools. 22:45 24:00 1:25 20D Review JSA. Handle New Discovery directional tools; Rack back 1- NM Flex Monel with 2- CDS40 DP and 1- X/O. Disassemble EM tool, break and lay down 1- Gap Sub. Make up new Gap Sub, build new EM tool, make up to Flex Monels. Trip Record; Measured 5.08m3, Calculated 4.06m3, Difference 1.02m3. </td> </tr> <tr> <td colspan="2"> CUTTING STRUCTURE TO: 1 MD: 2 LOC: CT BSG: S 98.21 </td> <td colspan="2"> HOLE CONDITION Hole Drag Up 0 Down 0 Torque At Bottom 0 Fill On Bottom 0.00 </td> <td colspan="2"> REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 4300 @ 60 @ 447.00 1 4900 @ 60 @ 856.00 </td> <td colspan="2"> BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450 </td> <td colspan="2"> SAFETY Safety Topic MEHL MACP Invert Exposure/Mixing Mud Products 46 2995 </td> </tr> <tr> <td colspan="10">TOUR 3 SIGNATURE OF DRILLER: Jordan Cawsey</td> <td colspan="16">START TIME: 16:00 END TIME: 24:00</td> </tr> </tbody> </table> </td> </tr> </tbody> </table> </td></tr></tbody></table>																										BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG		Bit Number: 4 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E229398 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 2122.00 Depth In (m): 933.00 Total Drilled (m): 3.50 Hrs Run Today: 9.50 Cumulative Hrs Run: 24-Feb-2017 Entry Date: 24-Feb-2017		No: 1 Component: 159mm PDC Bit OD: 159 ID: 102.2 Length: 1.816 1 475 Mud Motor 125 1 9.16 1 Slide reamer 130 58 1.44 1 4.75" Flex monel 115 70 9.21 1 Gap sub 130 68 1.71 2 4.75" Flex monel 115 70 18.40 1 4.75" X/O 128 60 0.80 5 4" CDS40 Drill Pipe 102 64 48.53 1 Drilling Jars 130 58 6.18 193 4" CDS40 Drill Pipe 102 64 129.23 48 4" CDS40 HWDP 101 65 45.51		Mud Type: Water Other: <input checked="" type="checkbox"/> Time: 00:30 03:00 Density: 1180 1180 Funnel Viscosity: 60 59 Fluid Loss: pH Location of Sample: trough trough Depth: 2717.00 2890.00 PVT: 68 63.89 Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 120 34000 6.00 2 SINGLE 127 120 34000 1.00		Time: 00:15 2669.79 88.80 120.2 00:45 2698.90 90.00 117.9 01:00 2727.99 90.30 118.7 01:15 2757.10 91.80 118.4 02:00 2786.20 91.00 119.3 02:30 2815.31 90.30 121 SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 7.00 1180 1150 1950 7.00 1180 1150 1950 MUD MATERIALS ADDED Product Amount Type Base Oil 8 m3 EnerBar 36 sxs		From: 0:00 To: 0:30 Elapsed: 0:50 Code: 7 Details Of Operations In Sequence & Remarks Rig & Top Drive Service. Functioned Rig Smart crown saver, high & low travel stops / limits. MCWS & ZMS. Serviced hydraulic BOP & functional lower manual BOP. Visual inspection & service of PS-21 slips & inserts. Functioned Lower Pipe Rams 6 seconds to close. Conducted level 1 visual inspection of Drawworks, PipeCat, Mast & all over-head equipment. Completed pre-shift fall protection equipment visual inspection. Visual inspection of BOP & valves completed by Luke Hardy & Dan Meyer. 0:30 4:00 3:50 2 Directional drill 159mm lateral section of main hole from 2887m to 3055m MD. Pump Rate - 1.27 m3/min, WOB - 12 kdaN, Rotary - 70 RPM, Pump Pressure -34,000 kPa, Torque - 12,000 ft/lbs, Diff Pressure - 8,200 kPa. Sliding Parameters: WOB - 24kdaN, Diff Pressure- 3,500 kPa. 4:00 5:45 1:75 20A Accumulated EM survey & connection time. 5:45 7:00 1:25 5 Circulate & condition hole. Check all surface equipment for pressure loss, everything appears to be ok. Review JSA. Flow check at 3035m. Pump 3.2m3 1445kg/m3 weighted pill with a 0.73m3 recovery. 7:00 7:30 0:50 21D Crew hand-over & safety discussion. Discuss hazard id's and daily tasks. Review JSA. 7:30 8:00 0:50 6B Trip out of hole to verify pressure loss in drill string at 30m/min from 3055m to 2821m MD. Flowcheck at 2908m.		CUTTING STRUCTURE TO: 1 MD: 2 LOC: CT BSG: S 98.21		HOLE CONDITION Hole Drag Up 5 Down 15 Torque At Bottom 12000 Fill On Bottom 0.00		REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 8500 @ 60 @ 2885.00 1 8550 @ 60 @ 2918.00		BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450		SAFETY Safety Topic MEHL MACP Lock out / Tag out 76 2995		TOUR 2 SIGNATURE OF DRILLER: Stefan Polny										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 colspan="2"> Bit Number: 5 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E231878 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 3055.00 Depth In (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 25-Feb-2017 Entry Date: 25-Feb-2017 </td> <td colspan="2"> No: 1 Component: 159mm PDC Bit OD: 159 ID: 102.2 Length: 1.816 1 475 Mud Motor 125 1 9.16 1 Slide reamer 130 58 1.44 1 4.75" Flex monel 115 70 9.21 1 Gap sub 130 68 1.71 2 4.75" Flex monel 115 70 18.40 1 4.75" X/O 128 60 0.80 5 4" CDS40 Drill Pipe 102 64 48.53 1 Drilling Jars 130 58 6.18 193 4" CDS40 Drill Pipe 102 64 129.23 48 4" CDS40 HWDP 101 65 45.51 </td> <td colspan="2"> Mud Type: Water Other: <input checked="" type="checkbox"/> Time: 08:00 12:00 Density: 1190 1190 Funnel Viscosity: 74 73 Fluid Loss: pH Location of Sample: Suction Suction Depth: 3055.00 3055.00 PVT: 47.37 40.42 Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 1 0 0.00 2 SINGLE 127 1 0 0.00 </td> <td colspan="2"> Time: 13:30 13:45 0:15 13:45 14:15 0:50 21D SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 0.00 0 0 0 0.00 0 0 0 MUD MATERIALS ADDED Product Amount Type EnerTone D 1 sxs Lime Hydrated 25 sxs </td> <td colspan="2"> From: 8:00 To: 13:30 Elapsed: 5:50 Code: 6B Details Of Operations In Sequence & Remarks Trip out of hole to verify pressure loss in drill string at 30m/min from 2821m to 50m MD. Flowcheck at 2908m, 1460m, & 528m MD. Cullied 5 joints of CDS40 101.6mm HWDP with poor hand banding. 13:30 13:45 0:15 21D Safety meeting & JSA review with New Discovery. 13:45 14:15 0:50 7 Rig & Top Drive Service while working on gap sub. Functioned Rig Smart crown saver, high & low travel stops / limits, MCWS & ZMS. Visual inspection & service of PS-21 slips & inserts. Functioned annular preventer, 16 seconds to close. Conducted level 1 visual inspection of Drawworks, PipeCat, Mast & all over-head equipment. Completed pre-shift fall protection equipment visual inspection. Visual inspection of BOP & valves completed by Shaun Low & Dan Meyer. 14:15 16:00 1:75 20A Handle New Discovery directional tools; (Pressure loss due to wash around set screw in antenna port on gap sub). Rack 2- flex monels in derrick with 1 - 101.6mm DP. Drain mud motor, break PDC Bit #4. Out of hole - Flow check at 0m, Function HCR 2 seconds to open & blind rams 4 seconds to close. Trip record; Calculated 11.65m3, Measured 13.20m3, Difference 1.55m3. Make up PDC Bit #5. Break gap sub & remove EM tool. Makeup new Gap sub & build EM tool. EM tool Power failure. Break down EM tool to change battery in Gap sub. </td> </tr> <tr> <td colspan="2"> CUTTING STRUCTURE TO: 1 MD: 2 LOC: CT BSG: S 98.21 </td> <td colspan="2"> HOLE CONDITION Hole Drag Up 0 Down 0 Torque At Bottom 0 Fill On Bottom 0.00 </td> <td colspan="2"> REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 4300 @ 60 @ 447.00 1 4900 @ 60 @ 856.00 </td> <td colspan="2"> BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450 </td> <td colspan="2"> SAFETY Safety Topic MEHL MACP Confined space rescue drill 67 2995 </td> </tr> <tr> <td colspan="10">TOUR 3 SIGNATURE OF DRILLER: Jordan Cawsey</td> <td colspan="16">START TIME: 16:00 END TIME: 24:00</td> </tr> <tr> <td colspan="26"> <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 colspan="2"> Bit Number: 5 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E231878 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 3055.00 Depth In (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 25-Feb-2017 Entry Date: 25-Feb-2017 </td> <td colspan="2"> No: 1 Component: 159mm PDC Bit OD: 159 ID: 102.2 Length: 1.816 1 475 Mud Motor 125 1 9.16 1 Slide reamer 130 58 1.44 1 4.75" Flex monel 115 70 9.21 1 Gap sub 130 68 1.71 2 4.75" Flex monel 115 70 18.40 1 4.75" X/O 128 60 0.80 5 4" CDS40 Drill Pipe 102 64 48.53 1 Drilling Jars 130 58 6.18 193 4" CDS40 Drill Pipe 102 64 129.23 48 4" CDS40 HWDP 101 65 45.51 </td> <td colspan="2"> Mud Type: Water Other: <input checked="" type="checkbox"/> Time: 19:30 21:45 Density: 1195 1195 Funnel Viscosity: 74 74 Fluid Loss: pH Location of Sample: tank#2 tank #2 Depth: 3055.00 3055.00 PVT: 41.5 38.49 Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 120 15000 1.00 2 SINGLE 127 120 15000 1.00 </td> <td colspan="2"> Time: 17:15 19:00 1:75 6A SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 0.00 0 0 0 0.00 0 0 0 MUD MATERIALS ADDED Product Amount Type EnerBar 30 sxs </td> <td colspan="2"> From: 16:00 To: 17:15 Elapsed: 1:15 Code: 20D Details Of Operations In Sequence & Remarks Continue to handle New Discovery directional tools; Replace battery & antennas in new gap sub. Rebuild EM tool & power on. Scribe motor. Make up 2 - flex monels, 5 - 101.6mm DP & Drilling Jars. 17:15 19:00 1:75 6A Trip in hole at 45m/min from 95m to 963m MD. Flow check @ 447m MD. Fill pipe @ 447m, 963m MD. 19:00 19:30 0:50 21 Crew hand-over & safety discussion. Discuss hazard id's and daily tasks. Review JSA. 19:30 20:15 0:75 6B Continue to trip in the hole at 45m/min from 963m to 1131m MD. (EM tool failure) 20:15 22:30 2:25 6B Trip out of the hole to replace Gap sub & EM tool @ 45m/min from 1131m to 96m MD. Pump 3.10m3 of 1475kg/m3 weighted pill with a recovery of 0.73m3. Flowcheck @ 1064m and 283m MD. 22:30 22:45 0:25 21D Safety meeting & JSA review with New Discovery Directional prior to handling directional tools. 22:45 24:00 1:25 20D Review JSA. Handle New Discovery directional tools; Rack back 1- NM Flex Monel with 2- CDS40 DP and 1- X/O. Disassemble EM tool, break and lay down 1- Gap Sub. Make up new Gap Sub, build new EM tool, make up to Flex Monels. Trip Record; Measured 5.08m3, Calculated 4.06m3, Difference 1.02m3. </td> </tr> <tr> <td colspan="2"> CUTTING STRUCTURE TO: 1 MD: 2 LOC: CT BSG: S 98.21 </td> <td colspan="2"> HOLE CONDITION Hole Drag Up 0 Down 0 Torque At Bottom 0 Fill On Bottom 0.00 </td> <td colspan="2"> REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 4300 @ 60 @ 447.00 1 4900 @ 60 @ 856.00 </td> <td colspan="2"> BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450 </td> <td colspan="2"> SAFETY Safety Topic MEHL MACP Invert Exposure/Mixing Mud Products 46 2995 </td> </tr> <tr> <td colspan="10">TOUR 3 SIGNATURE OF DRILLER: Jordan Cawsey</td> <td colspan="16">START TIME: 16:00 END TIME: 24:00</td> </tr> </tbody> </table> </td> </tr> </tbody> </table>																										BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG		Bit Number: 5 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E231878 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 3055.00 Depth In (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 25-Feb-2017 Entry Date: 25-Feb-2017		No: 1 Component: 159mm PDC Bit OD: 159 ID: 102.2 Length: 1.816 1 475 Mud Motor 125 1 9.16 1 Slide reamer 130 58 1.44 1 4.75" Flex monel 115 70 9.21 1 Gap sub 130 68 1.71 2 4.75" Flex monel 115 70 18.40 1 4.75" X/O 128 60 0.80 5 4" CDS40 Drill Pipe 102 64 48.53 1 Drilling Jars 130 58 6.18 193 4" CDS40 Drill Pipe 102 64 129.23 48 4" CDS40 HWDP 101 65 45.51		Mud Type: Water Other: <input checked="" type="checkbox"/> Time: 08:00 12:00 Density: 1190 1190 Funnel Viscosity: 74 73 Fluid Loss: pH Location of Sample: Suction Suction Depth: 3055.00 3055.00 PVT: 47.37 40.42 Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 1 0 0.00 2 SINGLE 127 1 0 0.00		Time: 13:30 13:45 0:15 13:45 14:15 0:50 21D SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 0.00 0 0 0 0.00 0 0 0 MUD MATERIALS ADDED Product Amount Type EnerTone D 1 sxs Lime Hydrated 25 sxs		From: 8:00 To: 13:30 Elapsed: 5:50 Code: 6B Details Of Operations In Sequence & Remarks Trip out of hole to verify pressure loss in drill string at 30m/min from 2821m to 50m MD. Flowcheck at 2908m, 1460m, & 528m MD. Cullied 5 joints of CDS40 101.6mm HWDP with poor hand banding. 13:30 13:45 0:15 21D Safety meeting & JSA review with New Discovery. 13:45 14:15 0:50 7 Rig & Top Drive Service while working on gap sub. Functioned Rig Smart crown saver, high & low travel stops / limits, MCWS & ZMS. Visual inspection & service of PS-21 slips & inserts. Functioned annular preventer, 16 seconds to close. Conducted level 1 visual inspection of Drawworks, PipeCat, Mast & all over-head equipment. Completed pre-shift fall protection equipment visual inspection. Visual inspection of BOP & valves completed by Shaun Low & Dan Meyer. 14:15 16:00 1:75 20A Handle New Discovery directional tools; (Pressure loss due to wash around set screw in antenna port on gap sub). Rack 2- flex monels in derrick with 1 - 101.6mm DP. Drain mud motor, break PDC Bit #4. Out of hole - Flow check at 0m, Function HCR 2 seconds to open & blind rams 4 seconds to close. Trip record; Calculated 11.65m3, Measured 13.20m3, Difference 1.55m3. Make up PDC Bit #5. Break gap sub & remove EM tool. Makeup new Gap sub & build EM tool. EM tool Power failure. Break down EM tool to change battery in Gap sub.		CUTTING STRUCTURE TO: 1 MD: 2 LOC: CT BSG: S 98.21		HOLE CONDITION Hole Drag Up 0 Down 0 Torque At Bottom 0 Fill On Bottom 0.00		REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 4300 @ 60 @ 447.00 1 4900 @ 60 @ 856.00		BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450		SAFETY Safety Topic MEHL MACP Confined space rescue drill 67 2995		TOUR 3 SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00 END TIME: 24:00																<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 colspan="2"> Bit Number: 5 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E231878 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 3055.00 Depth In (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 25-Feb-2017 Entry Date: 25-Feb-2017 </td> <td colspan="2"> No: 1 Component: 159mm PDC Bit OD: 159 ID: 102.2 Length: 1.816 1 475 Mud Motor 125 1 9.16 1 Slide reamer 130 58 1.44 1 4.75" Flex monel 115 70 9.21 1 Gap sub 130 68 1.71 2 4.75" Flex monel 115 70 18.40 1 4.75" X/O 128 60 0.80 5 4" CDS40 Drill Pipe 102 64 48.53 1 Drilling Jars 130 58 6.18 193 4" CDS40 Drill Pipe 102 64 129.23 48 4" CDS40 HWDP 101 65 45.51 </td> <td colspan="2"> Mud Type: Water Other: <input checked="" type="checkbox"/> Time: 19:30 21:45 Density: 1195 1195 Funnel Viscosity: 74 74 Fluid Loss: pH Location of Sample: tank#2 tank #2 Depth: 3055.00 3055.00 PVT: 41.5 38.49 Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 120 15000 1.00 2 SINGLE 127 120 15000 1.00 </td> <td colspan="2"> Time: 17:15 19:00 1:75 6A SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 0.00 0 0 0 0.00 0 0 0 MUD MATERIALS ADDED Product Amount Type EnerBar 30 sxs </td> <td colspan="2"> From: 16:00 To: 17:15 Elapsed: 1:15 Code: 20D Details Of Operations In Sequence & Remarks Continue to handle New Discovery directional tools; Replace battery & antennas in new gap sub. Rebuild EM tool & power on. Scribe motor. Make up 2 - flex monels, 5 - 101.6mm DP & Drilling Jars. 17:15 19:00 1:75 6A Trip in hole at 45m/min from 95m to 963m MD. Flow check @ 447m MD. Fill pipe @ 447m, 963m MD. 19:00 19:30 0:50 21 Crew hand-over & safety discussion. Discuss hazard id's and daily tasks. Review JSA. 19:30 20:15 0:75 6B Continue to trip in the hole at 45m/min from 963m to 1131m MD. (EM tool failure) 20:15 22:30 2:25 6B Trip out of the hole to replace Gap sub & EM tool @ 45m/min from 1131m to 96m MD. Pump 3.10m3 of 1475kg/m3 weighted pill with a recovery of 0.73m3. Flowcheck @ 1064m and 283m MD. 22:30 22:45 0:25 21D Safety meeting & JSA review with New Discovery Directional prior to handling directional tools. 22:45 24:00 1:25 20D Review JSA. Handle New Discovery directional tools; Rack back 1- NM Flex Monel with 2- CDS40 DP and 1- X/O. Disassemble EM tool, break and lay down 1- Gap Sub. Make up new Gap Sub, build new EM tool, make up to Flex Monels. Trip Record; Measured 5.08m3, Calculated 4.06m3, Difference 1.02m3. </td> </tr> <tr> <td colspan="2"> CUTTING STRUCTURE TO: 1 MD: 2 LOC: CT BSG: S 98.21 </td> <td colspan="2"> HOLE CONDITION Hole Drag Up 0 Down 0 Torque At Bottom 0 Fill On Bottom 0.00 </td> <td colspan="2"> REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 4300 @ 60 @ 447.00 1 4900 @ 60 @ 856.00 </td> <td colspan="2"> BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450 </td> <td colspan="2"> SAFETY Safety Topic MEHL MACP Invert Exposure/Mixing Mud Products 46 2995 </td> </tr> <tr> <td colspan="10">TOUR 3 SIGNATURE OF DRILLER: Jordan Cawsey</td> <td colspan="16">START TIME: 16:00 END TIME: 24:00</td> </tr> </tbody> </table>																										BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG		Bit Number: 5 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E231878 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 3055.00 Depth In (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 25-Feb-2017 Entry Date: 25-Feb-2017		No: 1 Component: 159mm PDC Bit OD: 159 ID: 102.2 Length: 1.816 1 475 Mud Motor 125 1 9.16 1 Slide reamer 130 58 1.44 1 4.75" Flex monel 115 70 9.21 1 Gap sub 130 68 1.71 2 4.75" Flex monel 115 70 18.40 1 4.75" X/O 128 60 0.80 5 4" CDS40 Drill Pipe 102 64 48.53 1 Drilling Jars 130 58 6.18 193 4" CDS40 Drill Pipe 102 64 129.23 48 4" CDS40 HWDP 101 65 45.51		Mud Type: Water Other: <input checked="" type="checkbox"/> Time: 19:30 21:45 Density: 1195 1195 Funnel Viscosity: 74 74 Fluid Loss: pH Location of Sample: tank#2 tank #2 Depth: 3055.00 3055.00 PVT: 41.5 38.49 Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 120 15000 1.00 2 SINGLE 127 120 15000 1.00		Time: 17:15 19:00 1:75 6A SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 0.00 0 0 0 0.00 0 0 0 MUD MATERIALS ADDED Product Amount Type EnerBar 30 sxs		From: 16:00 To: 17:15 Elapsed: 1:15 Code: 20D Details Of Operations In Sequence & Remarks Continue to handle New Discovery directional tools; Replace battery & antennas in new gap sub. Rebuild EM tool & power on. Scribe motor. Make up 2 - flex monels, 5 - 101.6mm DP & Drilling Jars. 17:15 19:00 1:75 6A Trip in hole at 45m/min from 95m to 963m MD. Flow check @ 447m MD. Fill pipe @ 447m, 963m MD. 19:00 19:30 0:50 21 Crew hand-over & safety discussion. Discuss hazard id's and daily tasks. Review JSA. 19:30 20:15 0:75 6B Continue to trip in the hole at 45m/min from 963m to 1131m MD. (EM tool failure) 20:15 22:30 2:25 6B Trip out of the hole to replace Gap sub & EM tool @ 45m/min from 1131m to 96m MD. Pump 3.10m3 of 1475kg/m3 weighted pill with a recovery of 0.73m3. Flowcheck @ 1064m and 283m MD. 22:30 22:45 0:25 21D Safety meeting & JSA review with New Discovery Directional prior to handling directional tools. 22:45 24:00 1:25 20D Review JSA. Handle New Discovery directional tools; Rack back 1- NM Flex Monel with 2- CDS40 DP and 1- X/O. Disassemble EM tool, break and lay down 1- Gap Sub. Make up new Gap Sub, build new EM tool, make up to Flex Monels. Trip Record; Measured 5.08m3, Calculated 4.06m3, Difference 1.02m3.		CUTTING STRUCTURE TO: 1 MD: 2 LOC: CT BSG: S 98.21		HOLE CONDITION Hole Drag Up 0 Down 0 Torque At Bottom 0 Fill On Bottom 0.00		REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 4300 @ 60 @ 447.00 1 4900 @ 60 @ 856.00		BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450		SAFETY Safety Topic MEHL MACP Invert Exposure/Mixing Mud Products 46 2995		TOUR 3 SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00 END TIME: 24:00															
BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG																																																																																																																																																																																																																																													
Bit Number: 4 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E229398 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 2122.00 Depth In (m): 933.00 Total Drilled (m): 3.50 Hrs Run Today: 9.50 Cumulative Hrs Run: 24-Feb-2017 Entry Date: 24-Feb-2017		No: 1 Component: 159mm PDC Bit OD: 159 ID: 102.2 Length: 1.816 1 475 Mud Motor 125 1 9.16 1 Slide reamer 130 58 1.44 1 4.75" Flex monel 115 70 9.21 1 Gap sub 130 68 1.71 2 4.75" Flex monel 115 70 18.40 1 4.75" X/O 128 60 0.80 5 4" CDS40 Drill Pipe 102 64 48.53 1 Drilling Jars 130 58 6.18 193 4" CDS40 Drill Pipe 102 64 129.23 48 4" CDS40 HWDP 101 65 45.51		Mud Type: Water Other: <input checked="" type="checkbox"/> Time: 00:30 03:00 Density: 1180 1180 Funnel Viscosity: 60 59 Fluid Loss: pH Location of Sample: trough trough Depth: 2717.00 2890.00 PVT: 68 63.89 Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 120 34000 6.00 2 SINGLE 127 120 34000 1.00		Time: 00:15 2669.79 88.80 120.2 00:45 2698.90 90.00 117.9 01:00 2727.99 90.30 118.7 01:15 2757.10 91.80 118.4 02:00 2786.20 91.00 119.3 02:30 2815.31 90.30 121 SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 7.00 1180 1150 1950 7.00 1180 1150 1950 MUD MATERIALS ADDED Product Amount Type Base Oil 8 m3 EnerBar 36 sxs		From: 0:00 To: 0:30 Elapsed: 0:50 Code: 7 Details Of Operations In Sequence & Remarks Rig & Top Drive Service. Functioned Rig Smart crown saver, high & low travel stops / limits. MCWS & ZMS. Serviced hydraulic BOP & functional lower manual BOP. Visual inspection & service of PS-21 slips & inserts. Functioned Lower Pipe Rams 6 seconds to close. Conducted level 1 visual inspection of Drawworks, PipeCat, Mast & all over-head equipment. Completed pre-shift fall protection equipment visual inspection. Visual inspection of BOP & valves completed by Luke Hardy & Dan Meyer. 0:30 4:00 3:50 2 Directional drill 159mm lateral section of main hole from 2887m to 3055m MD. Pump Rate - 1.27 m3/min, WOB - 12 kdaN, Rotary - 70 RPM, Pump Pressure -34,000 kPa, Torque - 12,000 ft/lbs, Diff Pressure - 8,200 kPa. Sliding Parameters: WOB - 24kdaN, Diff Pressure- 3,500 kPa. 4:00 5:45 1:75 20A Accumulated EM survey & connection time. 5:45 7:00 1:25 5 Circulate & condition hole. Check all surface equipment for pressure loss, everything appears to be ok. Review JSA. Flow check at 3035m. Pump 3.2m3 1445kg/m3 weighted pill with a 0.73m3 recovery. 7:00 7:30 0:50 21D Crew hand-over & safety discussion. Discuss hazard id's and daily tasks. Review JSA. 7:30 8:00 0:50 6B Trip out of hole to verify pressure loss in drill string at 30m/min from 3055m to 2821m MD. Flowcheck at 2908m.																																																																																																																																																																																																																																													
CUTTING STRUCTURE TO: 1 MD: 2 LOC: CT BSG: S 98.21		HOLE CONDITION Hole Drag Up 5 Down 15 Torque At Bottom 12000 Fill On Bottom 0.00		REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 8500 @ 60 @ 2885.00 1 8550 @ 60 @ 2918.00		BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450		SAFETY Safety Topic MEHL MACP Lock out / Tag out 76 2995																																																																																																																																																																																																																																													
TOUR 2 SIGNATURE OF DRILLER: Stefan Polny										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 colspan="2"> Bit Number: 5 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E231878 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 3055.00 Depth In (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 25-Feb-2017 Entry Date: 25-Feb-2017 </td> <td colspan="2"> No: 1 Component: 159mm PDC Bit OD: 159 ID: 102.2 Length: 1.816 1 475 Mud Motor 125 1 9.16 1 Slide reamer 130 58 1.44 1 4.75" Flex monel 115 70 9.21 1 Gap sub 130 68 1.71 2 4.75" Flex monel 115 70 18.40 1 4.75" X/O 128 60 0.80 5 4" CDS40 Drill Pipe 102 64 48.53 1 Drilling Jars 130 58 6.18 193 4" CDS40 Drill Pipe 102 64 129.23 48 4" CDS40 HWDP 101 65 45.51 </td> <td colspan="2"> Mud Type: Water Other: <input checked="" type="checkbox"/> Time: 08:00 12:00 Density: 1190 1190 Funnel Viscosity: 74 73 Fluid Loss: pH Location of Sample: Suction Suction Depth: 3055.00 3055.00 PVT: 47.37 40.42 Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 1 0 0.00 2 SINGLE 127 1 0 0.00 </td> <td colspan="2"> Time: 13:30 13:45 0:15 13:45 14:15 0:50 21D SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 0.00 0 0 0 0.00 0 0 0 MUD MATERIALS ADDED Product Amount Type EnerTone D 1 sxs Lime Hydrated 25 sxs </td> <td colspan="2"> From: 8:00 To: 13:30 Elapsed: 5:50 Code: 6B Details Of Operations In Sequence & Remarks Trip out of hole to verify pressure loss in drill string at 30m/min from 2821m to 50m MD. Flowcheck at 2908m, 1460m, & 528m MD. Cullied 5 joints of CDS40 101.6mm HWDP with poor hand banding. 13:30 13:45 0:15 21D Safety meeting & JSA review with New Discovery. 13:45 14:15 0:50 7 Rig & Top Drive Service while working on gap sub. Functioned Rig Smart crown saver, high & low travel stops / limits, MCWS & ZMS. Visual inspection & service of PS-21 slips & inserts. Functioned annular preventer, 16 seconds to close. Conducted level 1 visual inspection of Drawworks, PipeCat, Mast & all over-head equipment. Completed pre-shift fall protection equipment visual inspection. Visual inspection of BOP & valves completed by Shaun Low & Dan Meyer. 14:15 16:00 1:75 20A Handle New Discovery directional tools; (Pressure loss due to wash around set screw in antenna port on gap sub). Rack 2- flex monels in derrick with 1 - 101.6mm DP. Drain mud motor, break PDC Bit #4. Out of hole - Flow check at 0m, Function HCR 2 seconds to open & blind rams 4 seconds to close. Trip record; Calculated 11.65m3, Measured 13.20m3, Difference 1.55m3. Make up PDC Bit #5. Break gap sub & remove EM tool. Makeup new Gap sub & build EM tool. EM tool Power failure. Break down EM tool to change battery in Gap sub. </td> </tr> <tr> <td colspan="2"> CUTTING STRUCTURE TO: 1 MD: 2 LOC: CT BSG: S 98.21 </td> <td colspan="2"> HOLE CONDITION Hole Drag Up 0 Down 0 Torque At Bottom 0 Fill On Bottom 0.00 </td> <td colspan="2"> REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 4300 @ 60 @ 447.00 1 4900 @ 60 @ 856.00 </td> <td colspan="2"> BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450 </td> <td colspan="2"> SAFETY Safety Topic MEHL MACP Confined space rescue drill 67 2995 </td> </tr> <tr> <td colspan="10">TOUR 3 SIGNATURE OF DRILLER: Jordan Cawsey</td> <td colspan="16">START TIME: 16:00 END TIME: 24:00</td> </tr> <tr> <td colspan="26"> <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 colspan="2"> Bit Number: 5 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E231878 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 3055.00 Depth In (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 25-Feb-2017 Entry Date: 25-Feb-2017 </td> <td colspan="2"> No: 1 Component: 159mm PDC Bit OD: 159 ID: 102.2 Length: 1.816 1 475 Mud Motor 125 1 9.16 1 Slide reamer 130 58 1.44 1 4.75" Flex monel 115 70 9.21 1 Gap sub 130 68 1.71 2 4.75" Flex monel 115 70 18.40 1 4.75" X/O 128 60 0.80 5 4" CDS40 Drill Pipe 102 64 48.53 1 Drilling Jars 130 58 6.18 193 4" CDS40 Drill Pipe 102 64 129.23 48 4" CDS40 HWDP 101 65 45.51 </td> <td colspan="2"> Mud Type: Water Other: <input checked="" type="checkbox"/> Time: 19:30 21:45 Density: 1195 1195 Funnel Viscosity: 74 74 Fluid Loss: pH Location of Sample: tank#2 tank #2 Depth: 3055.00 3055.00 PVT: 41.5 38.49 Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 120 15000 1.00 2 SINGLE 127 120 15000 1.00 </td> <td colspan="2"> Time: 17:15 19:00 1:75 6A SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 0.00 0 0 0 0.00 0 0 0 MUD MATERIALS ADDED Product Amount Type EnerBar 30 sxs </td> <td colspan="2"> From: 16:00 To: 17:15 Elapsed: 1:15 Code: 20D Details Of Operations In Sequence & Remarks Continue to handle New Discovery directional tools; Replace battery & antennas in new gap sub. Rebuild EM tool & power on. Scribe motor. Make up 2 - flex monels, 5 - 101.6mm DP & Drilling Jars. 17:15 19:00 1:75 6A Trip in hole at 45m/min from 95m to 963m MD. Flow check @ 447m MD. Fill pipe @ 447m, 963m MD. 19:00 19:30 0:50 21 Crew hand-over & safety discussion. Discuss hazard id's and daily tasks. Review JSA. 19:30 20:15 0:75 6B Continue to trip in the hole at 45m/min from 963m to 1131m MD. (EM tool failure) 20:15 22:30 2:25 6B Trip out of the hole to replace Gap sub & EM tool @ 45m/min from 1131m to 96m MD. Pump 3.10m3 of 1475kg/m3 weighted pill with a recovery of 0.73m3. Flowcheck @ 1064m and 283m MD. 22:30 22:45 0:25 21D Safety meeting & JSA review with New Discovery Directional prior to handling directional tools. 22:45 24:00 1:25 20D Review JSA. Handle New Discovery directional tools; Rack back 1- NM Flex Monel with 2- CDS40 DP and 1- X/O. Disassemble EM tool, break and lay down 1- Gap Sub. Make up new Gap Sub, build new EM tool, make up to Flex Monels. Trip Record; Measured 5.08m3, Calculated 4.06m3, Difference 1.02m3. </td> </tr> <tr> <td colspan="2"> CUTTING STRUCTURE TO: 1 MD: 2 LOC: CT BSG: S 98.21 </td> <td colspan="2"> HOLE CONDITION Hole Drag Up 0 Down 0 Torque At Bottom 0 Fill On Bottom 0.00 </td> <td colspan="2"> REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 4300 @ 60 @ 447.00 1 4900 @ 60 @ 856.00 </td> <td colspan="2"> BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450 </td> <td colspan="2"> SAFETY Safety Topic MEHL MACP Invert Exposure/Mixing Mud Products 46 2995 </td> </tr> <tr> <td colspan="10">TOUR 3 SIGNATURE OF DRILLER: Jordan Cawsey</td> <td colspan="16">START TIME: 16:00 END TIME: 24:00</td> </tr> </tbody> </table> </td> </tr> </tbody> </table>																										BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG		Bit Number: 5 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E231878 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 3055.00 Depth In (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 25-Feb-2017 Entry Date: 25-Feb-2017		No: 1 Component: 159mm PDC Bit OD: 159 ID: 102.2 Length: 1.816 1 475 Mud Motor 125 1 9.16 1 Slide reamer 130 58 1.44 1 4.75" Flex monel 115 70 9.21 1 Gap sub 130 68 1.71 2 4.75" Flex monel 115 70 18.40 1 4.75" X/O 128 60 0.80 5 4" CDS40 Drill Pipe 102 64 48.53 1 Drilling Jars 130 58 6.18 193 4" CDS40 Drill Pipe 102 64 129.23 48 4" CDS40 HWDP 101 65 45.51		Mud Type: Water Other: <input checked="" type="checkbox"/> Time: 08:00 12:00 Density: 1190 1190 Funnel Viscosity: 74 73 Fluid Loss: pH Location of Sample: Suction Suction Depth: 3055.00 3055.00 PVT: 47.37 40.42 Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 1 0 0.00 2 SINGLE 127 1 0 0.00		Time: 13:30 13:45 0:15 13:45 14:15 0:50 21D SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 0.00 0 0 0 0.00 0 0 0 MUD MATERIALS ADDED Product Amount Type EnerTone D 1 sxs Lime Hydrated 25 sxs		From: 8:00 To: 13:30 Elapsed: 5:50 Code: 6B Details Of Operations In Sequence & Remarks Trip out of hole to verify pressure loss in drill string at 30m/min from 2821m to 50m MD. Flowcheck at 2908m, 1460m, & 528m MD. Cullied 5 joints of CDS40 101.6mm HWDP with poor hand banding. 13:30 13:45 0:15 21D Safety meeting & JSA review with New Discovery. 13:45 14:15 0:50 7 Rig & Top Drive Service while working on gap sub. Functioned Rig Smart crown saver, high & low travel stops / limits, MCWS & ZMS. Visual inspection & service of PS-21 slips & inserts. Functioned annular preventer, 16 seconds to close. Conducted level 1 visual inspection of Drawworks, PipeCat, Mast & all over-head equipment. Completed pre-shift fall protection equipment visual inspection. Visual inspection of BOP & valves completed by Shaun Low & Dan Meyer. 14:15 16:00 1:75 20A Handle New Discovery directional tools; (Pressure loss due to wash around set screw in antenna port on gap sub). Rack 2- flex monels in derrick with 1 - 101.6mm DP. Drain mud motor, break PDC Bit #4. Out of hole - Flow check at 0m, Function HCR 2 seconds to open & blind rams 4 seconds to close. Trip record; Calculated 11.65m3, Measured 13.20m3, Difference 1.55m3. Make up PDC Bit #5. Break gap sub & remove EM tool. Makeup new Gap sub & build EM tool. EM tool Power failure. Break down EM tool to change battery in Gap sub.		CUTTING STRUCTURE TO: 1 MD: 2 LOC: CT BSG: S 98.21		HOLE CONDITION Hole Drag Up 0 Down 0 Torque At Bottom 0 Fill On Bottom 0.00		REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 4300 @ 60 @ 447.00 1 4900 @ 60 @ 856.00		BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450		SAFETY Safety Topic MEHL MACP Confined space rescue drill 67 2995		TOUR 3 SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00 END TIME: 24:00																<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 colspan="2"> Bit Number: 5 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E231878 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 3055.00 Depth In (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 25-Feb-2017 Entry Date: 25-Feb-2017 </td> <td colspan="2"> No: 1 Component: 159mm PDC Bit OD: 159 ID: 102.2 Length: 1.816 1 475 Mud Motor 125 1 9.16 1 Slide reamer 130 58 1.44 1 4.75" Flex monel 115 70 9.21 1 Gap sub 130 68 1.71 2 4.75" Flex monel 115 70 18.40 1 4.75" X/O 128 60 0.80 5 4" CDS40 Drill Pipe 102 64 48.53 1 Drilling Jars 130 58 6.18 193 4" CDS40 Drill Pipe 102 64 129.23 48 4" CDS40 HWDP 101 65 45.51 </td> <td colspan="2"> Mud Type: Water Other: <input checked="" type="checkbox"/> Time: 19:30 21:45 Density: 1195 1195 Funnel Viscosity: 74 74 Fluid Loss: pH Location of Sample: tank#2 tank #2 Depth: 3055.00 3055.00 PVT: 41.5 38.49 Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 120 15000 1.00 2 SINGLE 127 120 15000 1.00 </td> <td colspan="2"> Time: 17:15 19:00 1:75 6A SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 0.00 0 0 0 0.00 0 0 0 MUD MATERIALS ADDED Product Amount Type EnerBar 30 sxs </td> <td colspan="2"> From: 16:00 To: 17:15 Elapsed: 1:15 Code: 20D Details Of Operations In Sequence & Remarks Continue to handle New Discovery directional tools; Replace battery & antennas in new gap sub. Rebuild EM tool & power on. Scribe motor. Make up 2 - flex monels, 5 - 101.6mm DP & Drilling Jars. 17:15 19:00 1:75 6A Trip in hole at 45m/min from 95m to 963m MD. Flow check @ 447m MD. Fill pipe @ 447m, 963m MD. 19:00 19:30 0:50 21 Crew hand-over & safety discussion. Discuss hazard id's and daily tasks. Review JSA. 19:30 20:15 0:75 6B Continue to trip in the hole at 45m/min from 963m to 1131m MD. (EM tool failure) 20:15 22:30 2:25 6B Trip out of the hole to replace Gap sub & EM tool @ 45m/min from 1131m to 96m MD. Pump 3.10m3 of 1475kg/m3 weighted pill with a recovery of 0.73m3. Flowcheck @ 1064m and 283m MD. 22:30 22:45 0:25 21D Safety meeting & JSA review with New Discovery Directional prior to handling directional tools. 22:45 24:00 1:25 20D Review JSA. Handle New Discovery directional tools; Rack back 1- NM Flex Monel with 2- CDS40 DP and 1- X/O. Disassemble EM tool, break and lay down 1- Gap Sub. Make up new Gap Sub, build new EM tool, make up to Flex Monels. Trip Record; Measured 5.08m3, Calculated 4.06m3, Difference 1.02m3. </td> </tr> <tr> <td colspan="2"> CUTTING STRUCTURE TO: 1 MD: 2 LOC: CT BSG: S 98.21 </td> <td colspan="2"> HOLE CONDITION Hole Drag Up 0 Down 0 Torque At Bottom 0 Fill On Bottom 0.00 </td> <td colspan="2"> REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 4300 @ 60 @ 447.00 1 4900 @ 60 @ 856.00 </td> <td colspan="2"> BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450 </td> <td colspan="2"> SAFETY Safety Topic MEHL MACP Invert Exposure/Mixing Mud Products 46 2995 </td> </tr> <tr> <td colspan="10">TOUR 3 SIGNATURE OF DRILLER: Jordan Cawsey</td> <td colspan="16">START TIME: 16:00 END TIME: 24:00</td> </tr> </tbody> </table>																										BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG		Bit Number: 5 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E231878 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 3055.00 Depth In (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 25-Feb-2017 Entry Date: 25-Feb-2017		No: 1 Component: 159mm PDC Bit OD: 159 ID: 102.2 Length: 1.816 1 475 Mud Motor 125 1 9.16 1 Slide reamer 130 58 1.44 1 4.75" Flex monel 115 70 9.21 1 Gap sub 130 68 1.71 2 4.75" Flex monel 115 70 18.40 1 4.75" X/O 128 60 0.80 5 4" CDS40 Drill Pipe 102 64 48.53 1 Drilling Jars 130 58 6.18 193 4" CDS40 Drill Pipe 102 64 129.23 48 4" CDS40 HWDP 101 65 45.51		Mud Type: Water Other: <input checked="" type="checkbox"/> Time: 19:30 21:45 Density: 1195 1195 Funnel Viscosity: 74 74 Fluid Loss: pH Location of Sample: tank#2 tank #2 Depth: 3055.00 3055.00 PVT: 41.5 38.49 Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 120 15000 1.00 2 SINGLE 127 120 15000 1.00		Time: 17:15 19:00 1:75 6A SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 0.00 0 0 0 0.00 0 0 0 MUD MATERIALS ADDED Product Amount Type EnerBar 30 sxs		From: 16:00 To: 17:15 Elapsed: 1:15 Code: 20D Details Of Operations In Sequence & Remarks Continue to handle New Discovery directional tools; Replace battery & antennas in new gap sub. Rebuild EM tool & power on. Scribe motor. Make up 2 - flex monels, 5 - 101.6mm DP & Drilling Jars. 17:15 19:00 1:75 6A Trip in hole at 45m/min from 95m to 963m MD. Flow check @ 447m MD. Fill pipe @ 447m, 963m MD. 19:00 19:30 0:50 21 Crew hand-over & safety discussion. Discuss hazard id's and daily tasks. Review JSA. 19:30 20:15 0:75 6B Continue to trip in the hole at 45m/min from 963m to 1131m MD. (EM tool failure) 20:15 22:30 2:25 6B Trip out of the hole to replace Gap sub & EM tool @ 45m/min from 1131m to 96m MD. Pump 3.10m3 of 1475kg/m3 weighted pill with a recovery of 0.73m3. Flowcheck @ 1064m and 283m MD. 22:30 22:45 0:25 21D Safety meeting & JSA review with New Discovery Directional prior to handling directional tools. 22:45 24:00 1:25 20D Review JSA. Handle New Discovery directional tools; Rack back 1- NM Flex Monel with 2- CDS40 DP and 1- X/O. Disassemble EM tool, break and lay down 1- Gap Sub. Make up new Gap Sub, build new EM tool, make up to Flex Monels. Trip Record; Measured 5.08m3, Calculated 4.06m3, Difference 1.02m3.		CUTTING STRUCTURE TO: 1 MD: 2 LOC: CT BSG: S 98.21		HOLE CONDITION Hole Drag Up 0 Down 0 Torque At Bottom 0 Fill On Bottom 0.00		REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 4300 @ 60 @ 447.00 1 4900 @ 60 @ 856.00		BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450		SAFETY Safety Topic MEHL MACP Invert Exposure/Mixing Mud Products 46 2995		TOUR 3 SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00 END TIME: 24:00																																																																																																	
BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG																																																																																																																																																																																																																																													
Bit Number: 5 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E231878 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 3055.00 Depth In (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 25-Feb-2017 Entry Date: 25-Feb-2017		No: 1 Component: 159mm PDC Bit OD: 159 ID: 102.2 Length: 1.816 1 475 Mud Motor 125 1 9.16 1 Slide reamer 130 58 1.44 1 4.75" Flex monel 115 70 9.21 1 Gap sub 130 68 1.71 2 4.75" Flex monel 115 70 18.40 1 4.75" X/O 128 60 0.80 5 4" CDS40 Drill Pipe 102 64 48.53 1 Drilling Jars 130 58 6.18 193 4" CDS40 Drill Pipe 102 64 129.23 48 4" CDS40 HWDP 101 65 45.51		Mud Type: Water Other: <input checked="" type="checkbox"/> Time: 08:00 12:00 Density: 1190 1190 Funnel Viscosity: 74 73 Fluid Loss: pH Location of Sample: Suction Suction Depth: 3055.00 3055.00 PVT: 47.37 40.42 Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 1 0 0.00 2 SINGLE 127 1 0 0.00		Time: 13:30 13:45 0:15 13:45 14:15 0:50 21D SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 0.00 0 0 0 0.00 0 0 0 MUD MATERIALS ADDED Product Amount Type EnerTone D 1 sxs Lime Hydrated 25 sxs		From: 8:00 To: 13:30 Elapsed: 5:50 Code: 6B Details Of Operations In Sequence & Remarks Trip out of hole to verify pressure loss in drill string at 30m/min from 2821m to 50m MD. Flowcheck at 2908m, 1460m, & 528m MD. Cullied 5 joints of CDS40 101.6mm HWDP with poor hand banding. 13:30 13:45 0:15 21D Safety meeting & JSA review with New Discovery. 13:45 14:15 0:50 7 Rig & Top Drive Service while working on gap sub. Functioned Rig Smart crown saver, high & low travel stops / limits, MCWS & ZMS. Visual inspection & service of PS-21 slips & inserts. Functioned annular preventer, 16 seconds to close. Conducted level 1 visual inspection of Drawworks, PipeCat, Mast & all over-head equipment. Completed pre-shift fall protection equipment visual inspection. Visual inspection of BOP & valves completed by Shaun Low & Dan Meyer. 14:15 16:00 1:75 20A Handle New Discovery directional tools; (Pressure loss due to wash around set screw in antenna port on gap sub). Rack 2- flex monels in derrick with 1 - 101.6mm DP. Drain mud motor, break PDC Bit #4. Out of hole - Flow check at 0m, Function HCR 2 seconds to open & blind rams 4 seconds to close. Trip record; Calculated 11.65m3, Measured 13.20m3, Difference 1.55m3. Make up PDC Bit #5. Break gap sub & remove EM tool. Makeup new Gap sub & build EM tool. EM tool Power failure. Break down EM tool to change battery in Gap sub.																																																																																																																																																																																																																																													
CUTTING STRUCTURE TO: 1 MD: 2 LOC: CT BSG: S 98.21		HOLE CONDITION Hole Drag Up 0 Down 0 Torque At Bottom 0 Fill On Bottom 0.00		REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 4300 @ 60 @ 447.00 1 4900 @ 60 @ 856.00		BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450		SAFETY Safety Topic MEHL MACP Confined space rescue drill 67 2995																																																																																																																																																																																																																																													
TOUR 3 SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00 END TIME: 24:00																																																																																																																																																																																																																																											
<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 colspan="2"> Bit Number: 5 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E231878 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 3055.00 Depth In (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 25-Feb-2017 Entry Date: 25-Feb-2017 </td> <td colspan="2"> No: 1 Component: 159mm PDC Bit OD: 159 ID: 102.2 Length: 1.816 1 475 Mud Motor 125 1 9.16 1 Slide reamer 130 58 1.44 1 4.75" Flex monel 115 70 9.21 1 Gap sub 130 68 1.71 2 4.75" Flex monel 115 70 18.40 1 4.75" X/O 128 60 0.80 5 4" CDS40 Drill Pipe 102 64 48.53 1 Drilling Jars 130 58 6.18 193 4" CDS40 Drill Pipe 102 64 129.23 48 4" CDS40 HWDP 101 65 45.51 </td> <td colspan="2"> Mud Type: Water Other: <input checked="" type="checkbox"/> Time: 19:30 21:45 Density: 1195 1195 Funnel Viscosity: 74 74 Fluid Loss: pH Location of Sample: tank#2 tank #2 Depth: 3055.00 3055.00 PVT: 41.5 38.49 Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 120 15000 1.00 2 SINGLE 127 120 15000 1.00 </td> <td colspan="2"> Time: 17:15 19:00 1:75 6A SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 0.00 0 0 0 0.00 0 0 0 MUD MATERIALS ADDED Product Amount Type EnerBar 30 sxs </td> <td colspan="2"> From: 16:00 To: 17:15 Elapsed: 1:15 Code: 20D Details Of Operations In Sequence & Remarks Continue to handle New Discovery directional tools; Replace battery & antennas in new gap sub. Rebuild EM tool & power on. Scribe motor. Make up 2 - flex monels, 5 - 101.6mm DP & Drilling Jars. 17:15 19:00 1:75 6A Trip in hole at 45m/min from 95m to 963m MD. Flow check @ 447m MD. Fill pipe @ 447m, 963m MD. 19:00 19:30 0:50 21 Crew hand-over & safety discussion. Discuss hazard id's and daily tasks. Review JSA. 19:30 20:15 0:75 6B Continue to trip in the hole at 45m/min from 963m to 1131m MD. (EM tool failure) 20:15 22:30 2:25 6B Trip out of the hole to replace Gap sub & EM tool @ 45m/min from 1131m to 96m MD. Pump 3.10m3 of 1475kg/m3 weighted pill with a recovery of 0.73m3. Flowcheck @ 1064m and 283m MD. 22:30 22:45 0:25 21D Safety meeting & JSA review with New Discovery Directional prior to handling directional tools. 22:45 24:00 1:25 20D Review JSA. Handle New Discovery directional tools; Rack back 1- NM Flex Monel with 2- CDS40 DP and 1- X/O. Disassemble EM tool, break and lay down 1- Gap Sub. Make up new Gap Sub, build new EM tool, make up to Flex Monels. Trip Record; Measured 5.08m3, Calculated 4.06m3, Difference 1.02m3. </td> </tr> <tr> <td colspan="2"> CUTTING STRUCTURE TO: 1 MD: 2 LOC: CT BSG: S 98.21 </td> <td colspan="2"> HOLE CONDITION Hole Drag Up 0 Down 0 Torque At Bottom 0 Fill On Bottom 0.00 </td> <td colspan="2"> REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 4300 @ 60 @ 447.00 1 4900 @ 60 @ 856.00 </td> <td colspan="2"> BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450 </td> <td colspan="2"> SAFETY Safety Topic MEHL MACP Invert Exposure/Mixing Mud Products 46 2995 </td> </tr> <tr> <td colspan="10">TOUR 3 SIGNATURE OF DRILLER: Jordan Cawsey</td> <td colspan="16">START TIME: 16:00 END TIME: 24:00</td> </tr> </tbody> </table>																										BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG		Bit Number: 5 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E231878 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 3055.00 Depth In (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 25-Feb-2017 Entry Date: 25-Feb-2017		No: 1 Component: 159mm PDC Bit OD: 159 ID: 102.2 Length: 1.816 1 475 Mud Motor 125 1 9.16 1 Slide reamer 130 58 1.44 1 4.75" Flex monel 115 70 9.21 1 Gap sub 130 68 1.71 2 4.75" Flex monel 115 70 18.40 1 4.75" X/O 128 60 0.80 5 4" CDS40 Drill Pipe 102 64 48.53 1 Drilling Jars 130 58 6.18 193 4" CDS40 Drill Pipe 102 64 129.23 48 4" CDS40 HWDP 101 65 45.51		Mud Type: Water Other: <input checked="" type="checkbox"/> Time: 19:30 21:45 Density: 1195 1195 Funnel Viscosity: 74 74 Fluid Loss: pH Location of Sample: tank#2 tank #2 Depth: 3055.00 3055.00 PVT: 41.5 38.49 Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 120 15000 1.00 2 SINGLE 127 120 15000 1.00		Time: 17:15 19:00 1:75 6A SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 0.00 0 0 0 0.00 0 0 0 MUD MATERIALS ADDED Product Amount Type EnerBar 30 sxs		From: 16:00 To: 17:15 Elapsed: 1:15 Code: 20D Details Of Operations In Sequence & Remarks Continue to handle New Discovery directional tools; Replace battery & antennas in new gap sub. Rebuild EM tool & power on. Scribe motor. Make up 2 - flex monels, 5 - 101.6mm DP & Drilling Jars. 17:15 19:00 1:75 6A Trip in hole at 45m/min from 95m to 963m MD. Flow check @ 447m MD. Fill pipe @ 447m, 963m MD. 19:00 19:30 0:50 21 Crew hand-over & safety discussion. Discuss hazard id's and daily tasks. Review JSA. 19:30 20:15 0:75 6B Continue to trip in the hole at 45m/min from 963m to 1131m MD. (EM tool failure) 20:15 22:30 2:25 6B Trip out of the hole to replace Gap sub & EM tool @ 45m/min from 1131m to 96m MD. Pump 3.10m3 of 1475kg/m3 weighted pill with a recovery of 0.73m3. Flowcheck @ 1064m and 283m MD. 22:30 22:45 0:25 21D Safety meeting & JSA review with New Discovery Directional prior to handling directional tools. 22:45 24:00 1:25 20D Review JSA. Handle New Discovery directional tools; Rack back 1- NM Flex Monel with 2- CDS40 DP and 1- X/O. Disassemble EM tool, break and lay down 1- Gap Sub. Make up new Gap Sub, build new EM tool, make up to Flex Monels. Trip Record; Measured 5.08m3, Calculated 4.06m3, Difference 1.02m3.		CUTTING STRUCTURE TO: 1 MD: 2 LOC: CT BSG: S 98.21		HOLE CONDITION Hole Drag Up 0 Down 0 Torque At Bottom 0 Fill On Bottom 0.00		REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 4300 @ 60 @ 447.00 1 4900 @ 60 @ 856.00		BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450		SAFETY Safety Topic MEHL MACP Invert Exposure/Mixing Mud Products 46 2995		TOUR 3 SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00 END TIME: 24:00																																																																																																																																																																																			
BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG																																																																																																																																																																																																																																													
Bit Number: 5 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E231878 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 3055.00 Depth In (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 25-Feb-2017 Entry Date: 25-Feb-2017		No: 1 Component: 159mm PDC Bit OD: 159 ID: 102.2 Length: 1.816 1 475 Mud Motor 125 1 9.16 1 Slide reamer 130 58 1.44 1 4.75" Flex monel 115 70 9.21 1 Gap sub 130 68 1.71 2 4.75" Flex monel 115 70 18.40 1 4.75" X/O 128 60 0.80 5 4" CDS40 Drill Pipe 102 64 48.53 1 Drilling Jars 130 58 6.18 193 4" CDS40 Drill Pipe 102 64 129.23 48 4" CDS40 HWDP 101 65 45.51		Mud Type: Water Other: <input checked="" type="checkbox"/> Time: 19:30 21:45 Density: 1195 1195 Funnel Viscosity: 74 74 Fluid Loss: pH Location of Sample: tank#2 tank #2 Depth: 3055.00 3055.00 PVT: 41.5 38.49 Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 SINGLE 127 120 15000 1.00 2 SINGLE 127 120 15000 1.00		Time: 17:15 19:00 1:75 6A SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density 0.00 0 0 0 0.00 0 0 0 MUD MATERIALS ADDED Product Amount Type EnerBar 30 sxs		From: 16:00 To: 17:15 Elapsed: 1:15 Code: 20D Details Of Operations In Sequence & Remarks Continue to handle New Discovery directional tools; Replace battery & antennas in new gap sub. Rebuild EM tool & power on. Scribe motor. Make up 2 - flex monels, 5 - 101.6mm DP & Drilling Jars. 17:15 19:00 1:75 6A Trip in hole at 45m/min from 95m to 963m MD. Flow check @ 447m MD. Fill pipe @ 447m, 963m MD. 19:00 19:30 0:50 21 Crew hand-over & safety discussion. Discuss hazard id's and daily tasks. Review JSA. 19:30 20:15 0:75 6B Continue to trip in the hole at 45m/min from 963m to 1131m MD. (EM tool failure) 20:15 22:30 2:25 6B Trip out of the hole to replace Gap sub & EM tool @ 45m/min from 1131m to 96m MD. Pump 3.10m3 of 1475kg/m3 weighted pill with a recovery of 0.73m3. Flowcheck @ 1064m and 283m MD. 22:30 22:45 0:25 21D Safety meeting & JSA review with New Discovery Directional prior to handling directional tools. 22:45 24:00 1:25 20D Review JSA. Handle New Discovery directional tools; Rack back 1- NM Flex Monel with 2- CDS40 DP and 1- X/O. Disassemble EM tool, break and lay down 1- Gap Sub. Make up new Gap Sub, build new EM tool, make up to Flex Monels. Trip Record; Measured 5.08m3, Calculated 4.06m3, Difference 1.02m3.																																																																																																																																																																																																																																													
CUTTING STRUCTURE TO: 1 MD: 2 LOC: CT BSG: S 98.21		HOLE CONDITION Hole Drag Up 0 Down 0 Torque At Bottom 0 Fill On Bottom 0.00		REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 4300 @ 60 @ 447.00 1 4900 @ 60 @ 856.00		BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 450 2 8.00 10.5 450		SAFETY Safety Topic MEHL MACP Invert Exposure/Mixing Mud Products 46 2995																																																																																																																																																																																																																																													
TOUR 3 SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00 END TIME: 24:00																																																																																																																																																																																																																																											

FRONT PAGE SUMMARY										Vendor Software Version		Year		Month		Day		DAILY CHECKS										OP RM																																																																																																																												
License No: 32310 Well Name: ARCRES HZ PARKLAND G12-07-081-16 Tour Sheet Serial Number: BEAV15AC 20170225 1A RMS: 2016.6.14.37064 Surface Location: 12-7-81-16 W6 Prov: BC Loc Type: DLS Unique Well ID: 105/04-08-081-16W6/00 Contractor: Beaver Drilling Ltd. 15AC Well Type: HORIZ Re Entry: <input type="checkbox"/>										(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) Flare Line Health & Safety Meeting (once/crew/month) (9) CADC Rig Safety Inspection Checklist (weekly/monthly) (10) Mast Inspection before Raising or Lowering (11) Crown Block Checked (12) Motor Vibs Checked										 																																																																																																																																				
ARC Resources Ltd. 17DR0014 Signature of Operator's Representative: Dan Meyer Signature of Contractor's Rig Manager: Shaun Low										0047 17-Dec-2016 23:00 Rig Release Date Time										6.6 3562 FUEL @ 08:00 HRS 14178 7100 06:00 -8 PARTLY CLOUDY SW UP TO 35 KM/H FAIR																																																																																																																																				
<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> </tr> </thead> <tbody> <tr> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">HOURS</td> <td>Tour 1</td> <td>3.50</td><td></td><td></td><td></td><td>1.25</td><td>0.50</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>1.75</td><td>0.50</td><td></td><td></td><td></td> </tr> <tr> <td>Tour 2</td> <td></td><td></td><td></td><td></td><td></td><td>5.50</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>1.75</td><td>0.25</td><td></td><td></td><td></td> </tr> <tr> <td>Tour 3</td> <td></td><td></td><td></td><td></td><td></td><td>4.75</td><td></td><td></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>0.75</td><td></td><td></td><td></td> </tr> <tr> <td>TOTAL</td> <td>3.50</td><td></td><td></td><td></td><td>1.25</td><td>10.75</td><td>1.00</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>6.00</td><td>1.50</td><td></td><td></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	HOURS	Tour 1	3.50				1.25	0.50	0.50													1.75	0.50				Tour 2						5.50	0.50													1.75	0.25				Tour 3						4.75														2.50	0.75				TOTAL	3.50				1.25	10.75	1.00													6.00	1.50			
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																																																																																																																															
HOURS	Tour 1	3.50				1.25	0.50	0.50													1.75	0.50																																																																																																																																		
	Tour 2						5.50	0.50													1.75	0.25																																																																																																																																		
	Tour 3						4.75														2.50	0.75																																																																																																																																		
	TOTAL	3.50				1.25	10.75	1.00													6.00	1.50																																																																																																																																		

TOUR 1 SIGNATURE OF DRILLER: Jordan Cawsey										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: SK413M-A1G-Z Type: E229398 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 2122.00 Depth In (m): 933.00 Total Drilled (m): 3.50 Cumulative Hrs Run: 9.50 Entry Date: 24-Feb-2017										<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <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>1</td> <td>159mm PDC Bit</td> <td>159</td> <td>1</td> <td>0.22</td> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>1</td> <td>475 Mud Motor</td> <td>125</td> <td>1</td> <td>9.16</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>Slide reamer</td> <td>130</td> <td>58</td> <td>1.44</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>4.75" Flex monel</td> <td>115</td> <td>70</td> <td>9.21</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>Gap sub</td> <td>130</td> <td>68</td> <td>1.71</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>4.75" Flex monel</td> <td>115</td> <td>70</td> <td>18.40</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>4.75" X/O</td> <td>128</td> <td>60</td> <td>0.80</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>4" CDS40 Drill Pipe</td> <td>102</td> <td>64</td> <td>48.53</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>Drilling Jars</td> <td>130</td> <td>58</td> <td>6.18</td> <td></td> <td></td> <td></td> </tr> <tr> <td>193</td> <td>4" CDS40 Drill Pipe</td> <td>102</td> <td>64</td> <td>192.53</td> <td></td> <td></td> <td></td> </tr> <tr> <td>48</td> <td>4" CDS40 HWDP</td> <td>101</td> <td>65</td> <td>45.10</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										No	Component	OD	ID	Length	Mud Type	Water	Oil	1	159mm PDC Bit	159	1	0.22		<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	475 Mud Motor	125	1	9.16				1	Slide reamer	130	58	1.44				1	4.75" Flex monel	115	70	9.21				1	Gap sub	130	68	1.71				2	4.75" Flex monel	115	70	18.40				1	4.75" X/O	128	60	0.80				5	4" CDS40 Drill Pipe	102	64	48.53				1	Drilling Jars	130	58	6.18				193	4" CDS40 Drill Pipe	102	64	192.53				48	4" CDS40 HWDP	101	65	45.10				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Pump #</th> <th>Type</th> <th>Liner Size</th> <th>SPM</th> <th>Pressure</th> <th>Hrs Run</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SINGLE</td> <td>127</td> <td>120</td> <td>34000</td> <td>6.00</td> </tr> <tr> <td>2</td> <td>SINGLE</td> <td>127</td> <td>120</td> <td>34000</td> <td>1.00</td> </tr> </tbody> </table>										Pump #	Type	Liner Size	SPM	Pressure	Hrs Run	1	SINGLE	127	120	34000	6.00	2	SINGLE	127	120	34000	1.00	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Time</th> <th>Depth</th> <th>Deviation</th> <th>Direction</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td>02:45</td> <td>2844.46</td> <td>90.40</td> <td>120.7</td> <td>DIRECTIONAL</td> </tr> <tr> <td>03:15</td> <td>2873.56</td> <td>89.20</td> <td>121.6</td> <td>DIRECTIONAL</td> </tr> <tr> <td>03:30</td> <td>2902.69</td> <td>90.00</td> <td>120.8</td> <td>DIRECTIONAL</td> </tr> <tr> <td>04:00</td> <td>2931.80</td> <td>89.40</td> <td>120.5</td> <td>DIRECTIONAL</td> </tr> <tr> <td>04:30</td> <td>2960.90</td> <td>89.30</td> <td>118.2</td> <td>DIRECTIONAL</td> </tr> <tr> <td>04:45</td> <td>2990.05</td> <td>90.30</td> <td>119.2</td> <td>DIRECTIONAL</td> </tr> </tbody> </table>										Time	Depth	Deviation	Direction	Type	02:45	2844.46	90.40	120.7	DIRECTIONAL	03:15	2873.56	89.20	121.6	DIRECTIONAL	03:30	2902.69	90.00	120.8	DIRECTIONAL	04:00	2931.80	89.40	120.5	DIRECTIONAL	04:30	2960.90	89.30	118.2	DIRECTIONAL	04:45	2990.05	90.30	119.2	DIRECTIONAL	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Equipment Name</th> <th>Hours Run</th> <th>Intake Density</th> <th>Over Flow Density</th> <th>Under Flow Density</th> </tr> </thead> <tbody> <tr> <td>Boiler</td> <td>7.00</td> <td>1180</td> <td>1150</td> <td>1950</td> </tr> <tr> <td>Boiler</td> <td>7.00</td> <td>1180</td> <td>1150</td> <td>1950</td> </tr> </tbody> </table>										Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density	Boiler	7.00	1180	1150	1950	Boiler	7.00	1180	1150	1950
No	Component	OD	ID	Length	Mud Type	Water	Oil																																																																																																																																																																																																														
1	159mm PDC Bit	159	1	0.22		<input checked="" type="checkbox"/>	<input type="checkbox"/>																																																																																																																																																																																																														
1	475 Mud Motor	125	1	9.16																																																																																																																																																																																																																	
1	Slide reamer	130	58	1.44																																																																																																																																																																																																																	
1	4.75" Flex monel	115	70	9.21																																																																																																																																																																																																																	
1	Gap sub	130	68	1.71																																																																																																																																																																																																																	
2	4.75" Flex monel	115	70	18.40																																																																																																																																																																																																																	
1	4.75" X/O	128	60	0.80																																																																																																																																																																																																																	
5	4" CDS40 Drill Pipe	102	64	48.53																																																																																																																																																																																																																	
1	Drilling Jars	130	58	6.18																																																																																																																																																																																																																	
193	4" CDS40 Drill Pipe	102	64	192.53																																																																																																																																																																																																																	
48	4" CDS40 HWDP	101	65	45.10																																																																																																																																																																																																																	
Pump #	Type	Liner Size	SPM	Pressure	Hrs Run																																																																																																																																																																																																																
1	SINGLE	127	120	34000	6.00																																																																																																																																																																																																																
2	SINGLE	127	120	34000	1.00																																																																																																																																																																																																																
Time	Depth	Deviation	Direction	Type																																																																																																																																																																																																																	
02:45	2844.46	90.40	120.7	DIRECTIONAL																																																																																																																																																																																																																	
03:15	2873.56	89.20	121.6	DIRECTIONAL																																																																																																																																																																																																																	
03:30	2902.69	90.00	120.8	DIRECTIONAL																																																																																																																																																																																																																	
04:00	2931.80	89.40	120.5	DIRECTIONAL																																																																																																																																																																																																																	
04:30	2960.90	89.30	118.2	DIRECTIONAL																																																																																																																																																																																																																	
04:45	2990.05	90.30	119.2	DIRECTIONAL																																																																																																																																																																																																																	
Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density																																																																																																																																																																																																																	
Boiler	7.00	1180	1150	1950																																																																																																																																																																																																																	
Boiler	7.00	1180	1150	1950																																																																																																																																																																																																																	
CUTTING STRUCTURE TO: 1 UGTH: 1 MD: 2 ODC: WT CT: DTF LOC: S TAIL RUN (in): 98.21										HOLE CONDITION Hole Drag: Up 5 Down: 15 Torque At Bottom: 12000 Fill On Bottom: 0.00										REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 8500 @ 60 @ 2895.00 1 8550 @ 60 @ 2919.00										SOLIDS CONTROL <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Equipment Name</th> <th>Hours Run</th> <th>Intake Density</th> <th>Over Flow Density</th> <th>Under Flow Density</th> </tr> </thead> <tbody> <tr> <td>Boiler</td> <td>0.00</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Boiler</td> <td>0.00</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>										Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density	Boiler	0.00	0	0	0	Boiler	0.00	0	0	0																																																																																																																																																															
Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density																																																																																																																																																																																																																	
Boiler	0.00	0	0	0																																																																																																																																																																																																																	
Boiler	0.00	0	0	0																																																																																																																																																																																																																	
METRES DRILLED From: 0 To: 0 D-R-C: 0 RPM: 0 WOB: 0										Kally Clean: -10.69 Total: 3055.00 Weight of DC: 0.00 Weight of String: 68.00										Remarks: Boiler #2 fuel @ 05:00 hrs: 5688 liters. Hazard id: Worker attempted to wipe down grabber box while rotating / stopped him and asked him not to do it again because this is a potential pinch point.										SAFETY Lock out / Tag out 76 2995 MACP																																																																																																																																																																																							

TOUR 2 SIGNATURE OF DRILLER: Stefan Polny										START TIME: 8:00 END TIME: 16:00									
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG																																																																																																																																																				
Bit Number: 5 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E231878 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 3055.00 Depth In (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 0.00 Entry Date: 25-Feb-2017										<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <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>1</td> <td>159mm PDC Bit</td> <td>159</td> <td>1</td> <td>0.22</td> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>1</td> <td>475 Mud Motor</td> <td>125</td> <td>1</td> <td>9.16</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>Slide reamer</td> <td>130</td> <td>58</td> <td>1.44</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>4.75" Flex monel</td> <td>115</td> <td>70</td> <td>9.21</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>Gap sub</td> <td>130</td> <td>68</td> <td>1.71</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>4.75" Flex monel</td> <td>115</td> <td>70</td> <td>18.40</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>4.75" X/O</td> <td>128</td> <td>60</td> <td>0.80</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>4" CDS40 Drill Pipe</td> <td>102</td> <td>64</td> <td>48.53</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>Drilling Jars</td> <td>130</td> <td>58</td> <td>6.18</td> <td></td> <td></td> <td></td> </tr> <tr> <td>193</td> <td>4" CDS40 Drill Pipe</td> <td>102</td> <td>64</td> <td>192.53</td> <td></td> <td></td> <td></td> </tr> <tr> <td>48</td> <td>4" CDS40 HWDP</td> <td>101</td> <td>65</td> <td>45.10</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										No	Component	OD	ID	Length	Mud Type	Water	Oil	1	159mm PDC Bit	159	1	0.22		<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	475 Mud Motor	125	1	9.16				1	Slide reamer	130	58	1.44				1	4.75" Flex monel	115	70	9.21				1	Gap sub	130	68	1.71				2	4.75" Flex monel	115	70	18.40				1	4.75" X/O	128	60	0.80				5	4" CDS40 Drill Pipe	102	64	48.53				1	Drilling Jars	130	58	6.18				193	4" CDS40 Drill Pipe	102	64	192.53				48	4" CDS40 HWDP	101	65	45.10				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Pump #</th> <th>Type</th> <th>Liner Size</th> <th>SPM</th> <th>Pressure</th> <th>Hrs Run</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SINGLE</td> <td>127</td> <td>1</td> <td>0</td> <td>0.00</td> </tr> <tr> <td>2</td> <td>SINGLE</td> <td>127</td> <td>1</td> <td>0</td> <td>0.00</td> </tr> </tbody> </table>										Pump #	Type	Liner Size	SPM	Pressure	Hrs Run	1	SINGLE	127	1	0	0.00	2	SINGLE	127	1	0	0.00	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Time</th> <th>Depth</th> <th>Deviation</th> <th>Direction</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										Time	Depth	Deviation	Direction	Type						<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Equipment Name</th> <th>Hours Run</th> <th>Intake Density</th> <th>Over Flow Density</th> <th>Under Flow Density</th> </tr> </thead> <tbody> <tr> <td>Boiler</td> <td>0.00</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Boiler</td> <td>0.00</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>										Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density	Boiler	0.00	0	0	0	Boiler	0.00	0	0	0
No	Component	OD	ID	Length	Mud Type	Water	Oil																																																																																																																																																																																					
1	159mm PDC Bit	159	1	0.22		<input checked="" type="checkbox"/>	<input type="checkbox"/>																																																																																																																																																																																					
1	475 Mud Motor	125	1	9.16																																																																																																																																																																																								
1	Slide reamer	130	58	1.44																																																																																																																																																																																								
1	4.75" Flex monel	115	70	9.21																																																																																																																																																																																								
1	Gap sub	130	68	1.71																																																																																																																																																																																								
2	4.75" Flex monel	115	70	18.40																																																																																																																																																																																								
1	4.75" X/O	128	60	0.80																																																																																																																																																																																								
5	4" CDS40 Drill Pipe	102	64	48.53																																																																																																																																																																																								
1	Drilling Jars	130	58	6.18																																																																																																																																																																																								
193	4" CDS40 Drill Pipe	102	64	192.53																																																																																																																																																																																								
48	4" CDS40 HWDP	101	65	45.10																																																																																																																																																																																								
Pump #	Type	Liner Size	SPM	Pressure	Hrs Run																																																																																																																																																																																							
1	SINGLE	127	1	0	0.00																																																																																																																																																																																							
2	SINGLE	127	1	0	0.00																																																																																																																																																																																							
Time	Depth	Deviation	Direction	Type																																																																																																																																																																																								
Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density																																																																																																																																																																																								
Boiler	0.00	0	0	0																																																																																																																																																																																								
Boiler	0.00	0	0	0																																																																																																																																																																																								
CUTTING STRUCTURE TO: 1 UGTH: 1 MD: 2 ODC: WT CT: DTF LOC: S TAIL RUN (in): 98.21										HOLE CONDITION Hole Drag: Up 0 Down: 0 Torque At Bottom: 0 Fill On Bottom: 0.00										REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 4300 @ 60 @ 447.00 1 4900 @ 60 @ 850.00										SOLIDS CONTROL <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Equipment Name</th> <th>Hours Run</th> <th>Intake Density</th> <th>Over Flow Density</th> <th>Under Flow Density</th> </tr> </thead> <tbody> <tr> <td>Boiler</td> <td>0.00</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Boiler</td> <td>0.00</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>										Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density	Boiler	0.00	0	0	0	Boiler	0.00	0	0	0																																																																																																																																						
Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density																																																																																																																																																																																								
Boiler	0.00	0	0	0																																																																																																																																																																																								
Boiler	0.00	0	0	0																																																																																																																																																																																								
METRES DRILLED From: 0 To: 0 D-R-C: 0 RPM: 0 WOB: 0										Kally Clean: -10.69 Total: 3055.00 Weight of DC: 0.00 Weight of String: 68.00										Remarks: Hazard ID: Trip record showed wet displacement, we were pulling dry. / Put mud can on as a precaution.										SAFETY Confined space rescue drill. 67 2995 MACP																																																																																																																																																														

TOUR 3 SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 16:00 END TIME: 24:00									
--	--	--	--	--	--	--	--	--	--	---	--	--	--	--	--	--	--	--	--

BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG																																																																																																																																																				
Bit Number: 5 Size: 159 IADC Code: Reed Manufacturer: SK413M-A1G-Z Type: E231878 Serial No: 9.53 9.53 JMS: 9.53 9.53 Depth Out (m): 3055.00 Depth In (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 0.00 Entry Date: 25-Feb-2017										<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <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>1</td> <td>159mm PDC Bit</td> <td>159</td> <td>1</td> <td>0.22</td> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>1</td> <td>475 Mud Motor</td> <td>125</td> <td>1</td> <td>9.16</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>Slide reamer</td> <td>130</td> <td>58</td> <td>1.44</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>4.75" Flex monel</td> <td>115</td> <td>70</td> <td>9.21</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>Gap sub</td> <td>130</td> <td>68</td> <td>1.71</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>4.75" Flex monel</td> <td>115</td> <td>70</td> <td>18.40</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>4.75" X/O</td> <td>128</td> <td>60</td> <td>0.80</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>4" CDS40 Drill Pipe</td> <td>102</td> <td>64</td> <td>48.53</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>Drilling Jars</td> <td>130</td> <td>58</td> <td>6.18</td> <td></td> <td></td> <td></td> </tr> <tr> <td>193</td> <td>4" CDS40 Drill Pipe</td> <td>102</td> <td>64</td> <td>192.53</td> <td></td> <td></td> <td></td> </tr> <tr> <td>48</td> <td>4" CDS40 HWDP</td> <td>101</td> <td>65</td> <td>45.10</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										No	Component	OD	ID	Length	Mud Type	Water	Oil	1	159mm PDC Bit	159	1	0.22		<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	475 Mud Motor	125	1	9.16				1	Slide reamer	130	58	1.44				1	4.75" Flex monel	115	70	9.21				1	Gap sub	130	68	1.71				2	4.75" Flex monel	115	70	18.40				1	4.75" X/O	128	60	0.80				5	4" CDS40 Drill Pipe	102	64	48.53				1	Drilling Jars	130	58	6.18				193	4" CDS40 Drill Pipe	102	64	192.53				48	4" CDS40 HWDP	101	65	45.10				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Pump #</th> <th>Type</th> <th>Liner Size</th> <th>SPM</th> <th>Pressure</th> <th>Hrs Run</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SINGLE</td> <td>127</td> <td>120</td> <td>15000</td> <td>1.00</td> </tr> <tr> <td>2</td> <td>SINGLE</td> <td>127</td> <td>120</td> <td>15000</td> <td>1.00</td> </tr> </tbody> </table>										Pump #	Type	Liner Size	SPM	Pressure	Hrs Run	1	SINGLE	127	120	15000	1.00	2	SINGLE	127	120	15000	1.00	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Time</th> <th>Depth</th> <th>Deviation</th> <th>Direction</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										Time	Depth	Deviation	Direction	Type						<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Equipment Name</th> <th>Hours Run</th> <th>Intake Density</th> <th>Over Flow Density</th> <th>Under Flow Density</th> </tr> </thead> <tbody> <tr> <td>Boiler</td> <td>0.00</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Boiler</td> <td>0.00</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>										Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density	Boiler	0.00	0	0	0	Boiler	0.00	0	0	0
No	Component	OD	ID	Length	Mud Type	Water	Oil																																																																																																																																																																																					
1	159mm PDC Bit	159	1	0.22		<input checked="" type="checkbox"/>	<input type="checkbox"/>																																																																																																																																																																																					
1	475 Mud Motor	125	1	9.16																																																																																																																																																																																								
1	Slide reamer	130	58	1.44																																																																																																																																																																																								
1	4.75" Flex monel	115	70	9.21																																																																																																																																																																																								
1	Gap sub	130	68	1.71																																																																																																																																																																																								
2	4.75" Flex monel	115	70	18.40																																																																																																																																																																																								
1	4.75" X/O	128	60	0.80																																																																																																																																																																																								
5	4" CDS40 Drill Pipe	102	64	48.53																																																																																																																																																																																								
1	Drilling Jars	130	58	6.18																																																																																																																																																																																								
193	4" CDS40 Drill Pipe	102	64	192.53																																																																																																																																																																																								
48	4" CDS40 HWDP	101	65	45.10																																																																																																																																																																																								
Pump #	Type	Liner Size	SPM	Pressure	Hrs Run																																																																																																																																																																																							
1	SINGLE	127	120	15000	1.00																																																																																																																																																																																							
2	SINGLE	127	120	15000	1.00																																																																																																																																																																																							
Time	Depth	Deviation	Direction	Type																																																																																																																																																																																								
Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density																																																																																																																																																																																								
Boiler	0.00	0	0	0																																																																																																																																																																																								
Boiler	0.00	0	0	0																																																																																																																																																																																								
CUTTING STRUCTURE TO: 1 UGTH: 1 MD: 2 ODC: WT CT: DTF LOC: S TAIL RUN (in): 98.21										HOLE CONDITION Hole Drag: Up 0 Down: 0 Torque At Bottom: 0 Fill On Bottom: 0.00										REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 4300 @ 60 @ 447.00 1 4900 @ 60 @ 850.00										SOLIDS CONTROL <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Equipment Name</th> <th>Hours Run</th> <th>Intake Density</th> <th>Over Flow Density</th> <th>Under Flow Density</th> </tr> </thead> <tbody> <tr> <td>Boiler</td> <td>0.00</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Boiler</td> <td>0.00</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>										Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density	Boiler	0.00	0	0	0	Boiler	0.00	0	0	0																																																																																																																																						
Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density																																																																																																																																																																																								
Boiler	0.00	0	0	0																																																																																																																																																																																								
Boiler	0.00	0	0	0																																																																																																																																																																																								
METRES DRILLED From: 0 To: 0 D-R-C: 0 RPM: 0 WOB: 0										Kally Clean: -10.69 Total: 3055.00 Weight of DC: 0.00 Weight of String: 68.00										Remarks: Hazard id: Worker allowed a stand of pipe to pass over his feet while racking it back / explained that as a precaution he should never do that incase a stand were to drop.										SAFETY Invert Exposure/Mixing Mud Products 46 2905 MACP																																																																																																																																																														

FRONT PAGE SUMMARY										Tour Sheet Serial Number		Vendor Software Version		Year	Month	Day	DAILY CHECKS										OP RM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
License No 32310										Well Name ARCRES HZ PARKLAND G12-07-081-16										Surface Location 12-7-81-16 W6										Prov BC		Loc Type DLS		Unique Well Id 105/04-08-081-16W6/00		RMS 2016.6.14.37064		2017		02		26																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Contractor ARC Resources Ltd.										Contractor's Job No. Beaver Drilling Ltd.										Rig No 15AC		Well Type HORIZ		Re-Entry <input type="checkbox"/>		Squad Date Time 17-Dec-2016		23:00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Operator's Name 17DR0014										Signature of Operator's Representative Dan Meyer										Signature of Contractor's Rig Manager Shaun Low																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
<table border="1" style="width:100%; border-collapse: collapse;"> <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 rowspan="5">HOURS</td> <td>Rig Up</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Drill Actual</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Reaming</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Coring</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Cord Mud & Circ</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Tips</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Rig Service</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Repair Rig</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Cut Off Drill Line</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Dev Survey</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Wireline Logs</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Run Cap & Cement</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Wait On Cement</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Nipple BOP</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Test BOP</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Drillstem Test</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Plug Back</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Squeeze Cement</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Fishing</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Dr Work</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Safety Meeting</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Tear Down</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Waiting On</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Rig Watch</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>Other</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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>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></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></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></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	HOURS	Rig Up																									Drill Actual																									Reaming																									Coring																									Cord Mud & Circ																									Tips																										Rig Service																										Repair Rig																										Cut Off Drill Line																										Dev Survey																										Wireline Logs																										Run Cap & 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																										TOTAL																										Tour 1																										Tour 2																										Tour 3																										TOTAL																										Kelly Logging 6.6 FUEL @ 08:00 HRS 11537 7100 Time 06:00 -11 Current Conditions LIGHT SNOW Wind Direction N Wind Strength UP TO 25 KM/H Road Condition POOR	
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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
HOURS	Rig Up																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Drill Actual																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Reaming																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Coring																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Cord Mud & Circ																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Tips																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Rig Service																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Repair Rig																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Cut Off Drill Line																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Dev Survey																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Wireline Logs																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Run Cap & 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Tour 1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Tour 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Tour 3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
TOUR 1 SIGNATURE OF DRILLER Jordan Cawsey START TIME 0:00 END TIME 8:00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
<table border="1" style="width:100%; border-collapse: collapse;"> <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> <td>Bit Number 5</td> <td>Size 159</td> <td>No 1</td> <td>Component 159mm PDC Bit</td> <td>OD 159</td> <td>ID 102.2</td> <td>Mud Type Water</td> <td>Other <input type="checkbox"/></td> <td>Time 05:30</td> <td>Depth 1195</td> </tr> <tr> <td>IADC Code Reed</td> <td>Manufacturer SK413M-A1G-Z</td> <td>No 1</td> <td>Component 475 Mud Motor</td> <td>OD 125</td> <td>ID 9.16</td> <td>Time 12:30</td> <td>Depth 1160</td> <td>Time 11:15</td> <td>Depth 3251.92</td> </tr> <tr> <td>Type E231878</td> <td>Serial No 9.53 9.53</td> <td>No 1</td> <td>Component Slide reamer</td> <td>OD 130</td> <td>ID 58.144</td> <td>Time 11:45</td> <td>Depth 3281.03</td> <td>Time 12:30</td> <td>Depth 3310.11</td> </tr> <tr> <td>JMS 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 1</td> <td>Component 4.75" Flex monel</td> <td>OD 115</td> <td>ID 70.921</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>Depth Out (m) 3055.00</td> <td>Serial No 9.53 9.53</td> <td>No 1</td> <td>Component Gap sub</td> <td>OD 130</td> <td>ID 68.166</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>Depth In (m) 0.00</td> <td>Serial No 9.53 9.53</td> <td>No 2</td> <td>Component 4.75" Flex monel</td> <td>OD 115</td> <td>ID 70.921</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>Total Drilled (m) 0.00</td> <td>Serial No 9.53 9.53</td> <td>No 2</td> <td>Component 4.75" X/O</td> <td>OD 128</td> <td>ID 60.080</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>Hrs Run Today 0.00</td> <td>Serial No 9.53 9.53</td> <td>No 5</td> <td>Component 4" CDS40 Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>Cumulative Hrs Run 25-Feb-2017</td> <td>Serial No 9.53 9.53</td> <td>No 1</td> <td>Component Drilling Jars</td> <td>OD 130</td> <td>ID 58.6.18</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>Entry Date 25-Feb-2017</td> <td>Serial No 9.53 9.53</td> <td>No 48</td> <td>Component 4" CDS40 HWDP</td> <td>OD 101</td> <td>ID 65.45.48</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>CUTTING STRUCTURE</td> <td>Serial No 9.53 9.53</td> <td>No 22</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>TO 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>MDL 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>LOC 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>BSG 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>METRES DRILLED</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>From 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>To 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>D-R-C 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>RPM 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>WOB 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>HOLE CONDITION</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>Hole Drag 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>Up 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>Down 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>Torque At Bottom 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>Fill On Bottom 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>REDUCED PUMP SPEED</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>Pump # 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>Pressure 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>Strokes/min 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>Depth 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>BOILER</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>BoilerNo 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>HoursRun 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>pH 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>StackTemp 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>SAFETY</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>Safety Topic 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>MEHL 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD 102</td> <td>ID 64.48.53</td> <td>Time 13:15</td> <td>Depth 3339.21</td> <td>Time 13:15</td> <td>Depth 3339.21</td> </tr> <tr> <td>MACP 9.53 9.53</td> <td>Serial No 9.53 9.53</td> <td>No 0</td> <td>Component Drill Pipe</td> <td>OD </td></tr></table>																										BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG		Bit Number 5	Size 159	No 1	Component 159mm PDC Bit	OD 159	ID 102.2	Mud Type Water	Other <input type="checkbox"/>	Time 05:30	Depth 1195	IADC Code Reed	Manufacturer SK413M-A1G-Z	No 1	Component 475 Mud Motor	OD 125	ID 9.16	Time 12:30	Depth 1160	Time 11:15	Depth 3251.92	Type E231878	Serial No 9.53 9.53	No 1	Component Slide reamer	OD 130	ID 58.144	Time 11:45	Depth 3281.03	Time 12:30	Depth 3310.11	JMS 9.53 9.53	Serial No 9.53 9.53	No 1	Component 4.75" Flex monel	OD 115	ID 70.921	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	Depth Out (m) 3055.00	Serial No 9.53 9.53	No 1	Component Gap sub	OD 130	ID 68.166	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	Depth In (m) 0.00	Serial No 9.53 9.53	No 2	Component 4.75" Flex monel	OD 115	ID 70.921	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	Total Drilled (m) 0.00	Serial No 9.53 9.53	No 2	Component 4.75" X/O	OD 128	ID 60.080	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	Hrs Run Today 0.00	Serial No 9.53 9.53	No 5	Component 4" CDS40 Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	Cumulative Hrs Run 25-Feb-2017	Serial No 9.53 9.53	No 1	Component Drilling Jars	OD 130	ID 58.6.18	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	Entry Date 25-Feb-2017	Serial No 9.53 9.53	No 48	Component 4" CDS40 HWDP	OD 101	ID 65.45.48	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	CUTTING STRUCTURE	Serial No 9.53 9.53	No 22	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	TO 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	MDL 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	LOC 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	BSG 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	METRES DRILLED	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	From 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	To 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	D-R-C 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	RPM 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	WOB 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	HOLE CONDITION	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	Hole Drag 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	Up 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	Down 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	Torque At Bottom 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	Fill On Bottom 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	REDUCED PUMP SPEED	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	Pump # 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	Pressure 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	Strokes/min 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	Depth 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	BOILER	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	BoilerNo 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	HoursRun 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	pH 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	StackTemp 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	SAFETY	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	Safety Topic 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	MEHL 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21	MACP 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 																																																																																																																																																																																																																																																																																																																																																																																																					
BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Bit Number 5	Size 159	No 1	Component 159mm PDC Bit	OD 159	ID 102.2	Mud Type Water	Other <input type="checkbox"/>	Time 05:30	Depth 1195																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
IADC Code Reed	Manufacturer SK413M-A1G-Z	No 1	Component 475 Mud Motor	OD 125	ID 9.16	Time 12:30	Depth 1160	Time 11:15	Depth 3251.92																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Type E231878	Serial No 9.53 9.53	No 1	Component Slide reamer	OD 130	ID 58.144	Time 11:45	Depth 3281.03	Time 12:30	Depth 3310.11																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
JMS 9.53 9.53	Serial No 9.53 9.53	No 1	Component 4.75" Flex monel	OD 115	ID 70.921	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Depth Out (m) 3055.00	Serial No 9.53 9.53	No 1	Component Gap sub	OD 130	ID 68.166	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Depth In (m) 0.00	Serial No 9.53 9.53	No 2	Component 4.75" Flex monel	OD 115	ID 70.921	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Total Drilled (m) 0.00	Serial No 9.53 9.53	No 2	Component 4.75" X/O	OD 128	ID 60.080	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Hrs Run Today 0.00	Serial No 9.53 9.53	No 5	Component 4" CDS40 Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Cumulative Hrs Run 25-Feb-2017	Serial No 9.53 9.53	No 1	Component Drilling Jars	OD 130	ID 58.6.18	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Entry Date 25-Feb-2017	Serial No 9.53 9.53	No 48	Component 4" CDS40 HWDP	OD 101	ID 65.45.48	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
CUTTING STRUCTURE	Serial No 9.53 9.53	No 22	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
TO 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
MDL 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
LOC 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
BSG 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
METRES DRILLED	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
From 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
To 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
D-R-C 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
RPM 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
WOB 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
HOLE CONDITION	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Hole Drag 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Up 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Down 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Torque At Bottom 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Fill On Bottom 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
REDUCED PUMP SPEED	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Pump # 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Pressure 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Strokes/min 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Depth 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
BOILER	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
BoilerNo 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
HoursRun 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
pH 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
StackTemp 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
SAFETY	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Safety Topic 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
MEHL 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 102	ID 64.48.53	Time 13:15	Depth 3339.21	Time 13:15	Depth 3339.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
MACP 9.53 9.53	Serial No 9.53 9.53	No 0	Component Drill Pipe	OD 																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

[illegible]