

# FRONT PAGE SUMMARY

Tour Sheet Serial Number

BEAV15AC 20161208 1A

Vender Software Version

RMS 2016.6.14.37064

Year

2016

Month

12

Day

08

## DAILY CHECKS

- (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 Drills Performed
- (7) Visually Inspected BOPs-Flare Lines & Degasser Lines
- (1) Rig Site Health & Safety Meeting (one/twomonth)
- (2) CAODC Rig Safety Inspection Checklist (one/twomonth)
- (3) Mast Inspection before Raising or Lowering
- (4) Crown Saver Checked
- (5) Master Kills Checked

OP RM

100 0

100 0

100 0

100 0

100 0

100 0

100 0

License No 32309 Well Name ARCRES HZ PARKLAND H12-07-081-16

Operator ARC Resources Ltd.

Operator's AFE 17DRL0015

Signature Of Operator's Representative Dan Meyer

Surface Location 12-7-81-16 W6

Contractor Beaver Drilling Ltd.

Contractor's Job No 0X47

Signature Of Contractor's Rig Manager Shaun Low

Prov BC

Loc Type DLS

Unique Well Id 100/01-07-081-16W6/00

Rig No 15AC

Well Type

HORIZ

Re-Entry

Re-Entry

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	WEATHER	HEAVY RAINING	WIND
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drill Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other				
Tour 1																										8.00	8.00	0	0
Tour 2	3.75																				0.25					4.00	8.00	0	0
Tour 3	4.00																									4.00	8.00	0	0
TOTAL	7.75																				0.25					16.00	24.00	0	0

TOUR 1 SIGNATURE OF DRILLER Shaun Low START TIME 0:00 END TIME 8:00

BITS		DRILLING ASSEMBLY				MUD RECORD				DEVIATION SURVEYS				TIME LOG												
Bit Number	Size	No	Component	OD	ID	Length	Mud Type	Water	Other	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details Of Operations In Sequence & Remarks							
IADC Code	Manufacturer	Type	Serial No	Jets	Depth Out (m)	Depth In (m)	Total Drilled (m)	Hrs Run Today	Cumulative Hrs Run	Entry Date	Drill Pipe	Standards	Drill Pipe	Singles	Remarks	0:00	8:00	8.00	24	Rig Watch.						
CUTTING STRUCTURE	LOGS	TO	COG	MDC	Reason Picked	LOC	Total Run (yds)	BRG	Kelly Down	Total	Weight of DC	Weight of String	REDUCED PUMP SPEED	Pump #	Pressure	Strokes/min	Depth	BOILER	BoilerNo	HoursRun	pH	StackTemp	SAFETY			
METRES DRILLED	From	To	D-R-C	RPM	WOB	HOLE CONDITION	Hole Drag	Up	Down	Torque At Bottom	Fill On Bottom	Remarks	REDUCED PUMP SPEED	Pump #	Pressure	Strokes/min	Depth	BOILER	BoilerNo	HoursRun	pH	StackTemp	SAFETY			

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	Size	No	Component	OD	ID	Length	Mud Type	Water	Other	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details Of Operations In Sequence & Remarks				
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  |        |                           |   |   |   |   |   |   |   | BEAV15AC 20161213 1A                            |    | RMS 2016.6.14.37064                 |    | 2016                  |    | 12                                  |  | 13          |    | (1) Daily Walk Around Inspection<br>(2) Detailed Inspection - Weekly (Using Check List)<br>(3) H2S Signs Posted if Required<br>(4) Well Licence & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Tests Performed<br>(7) Visually Inspected BOPs Flare Lines & Degasser Lines<br>(1) Rig Site Health & Safety Meeting (one/crew/month)<br>(2) CADC Rig Safety Inspection Checklist (weekly/monthly)<br>(3) Mast Inspection before Raising or Lowering<br>(4) Crown Block Checked<br>(5) Motor Vibs Checked |    |          |    |    |                 |         |                   |      |   | OW EL |   |            |   |   |    |    |                   |    |    |    |    |          |    |    |    |    |            |    |                           |    |       |     |      |   |        |      |  |  |                                     |  |  |  |  |                      |  |  |  |  |      |  |  |  |  |  |  |      |  |  |  |      |       |      |        |      |  |   |  |  |  |  |           |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |      |  |     |        |      |  |              |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |       |  |       |       |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |       |         |      |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |             |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |       |  |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |     |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  
   
   
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| <table><tr><th>Code</th><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th><th>12</th><th>13</th><th>14</th><th>15</th><th>16</th><th>17</th><th>18</th><th>19</th><th>20</th><th>21</th><th>22</th><th>23</th><th>24</th><th>25</th><th>TOTAL</th><th>Rig</th><th>Hour</th></tr><tr><td rowspan="4">HOURS</td><td>Tour 1</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>8.00</td><td>30441</td><td>7100</td></tr><tr><td>Tour 2</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>8.00</td><td>06:00</td><td>-21</td></tr><tr><td>Tour 3</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>8.00</td><td>CLEAR</td><td></td></tr><tr><td>TOTAL</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>24.00</td><td>WEATHER</td><td>GOOD</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 | TOTAL | Rig | Hour | HOURS   | Tour 1 | 8.00 |  |  |                                     |  |  |  |  |                      |  |  |  |  |      |  |  |  |  |  |  |      |  |  |  | 8.00 | 30441 | 7100 | Tour 2 | 8.00 |  |   |  |  |  |  |           |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  | 8.00 | 06:00  | -21 | Tour 3 | 8.00 |  |              |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8.00 | CLEAR |  | TOTAL | 24.00 |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  | 24.00 | WEATHER | GOOD | FUEL @ 08:00 HRS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |             |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |       |  |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |     |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  
   
   
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| <table><tr><th colspan="2">BITS</th><th colspan="5">DRILLING ASSEMBLY</th><th colspan="5">MUD RECORD</th><th colspan="5">DEVIATION SURVEYS</th><th colspan="5">TIME LOG</th></tr><tr><td colspan="2">Bit Number</td><td colspan="5">No Component OD ID Length</td><td colspan="5">Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/></td><td colspan="5">Time Depth Deviation Direction Type</td><td colspan="5">From To Elapsed Code</td></tr><tr><td colspan="2">Size</td><td colspan="5"></td><td colspan="5">Time</td><td colspan="5"></td><td colspan="5">Details of Operations In Sequence &amp; Remarks</td></tr><tr><td colspan="2">IADC Code</td><td colspan="5"></td><td colspan="5">Density</td><td colspan="5"></td><td colspan="5">0:00 8:00 8:00 1 Rig up Beaver Rig#15AC to Spud. Finish rigging up Cable Fostoon. Work on stringing &amp; plugging in all power cords on rig.</td></tr><tr><td colspan="2">Manufacturer</td><td colspan="5"></td><td colspan="5">Funnel Viscosity</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Type</td><td colspan="5"></td><td colspan="5">Fluid Loss</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Serial No</td><td colspan="5"></td><td colspan="5">pH</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Jets</td><td colspan="5"></td><td colspan="5">Location Of Sample</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Depth Out (m)</td><td colspan="5"></td><td colspan="5">Depth</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Depth In (m)</td><td colspan="5"></td><td colspan="5">PVT</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Total Drilled (m)</td><td colspan="5"></td><td colspan="5">Circulation</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Hrs Run Today</td><td colspan="5"></td><td colspan="5">Pump # Type Liner Size SPM Pressure Hrs Run</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Cumulative Hrs Run</td><td colspan="5"></td><td colspan="5">Remarks</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Entry Date</td><td colspan="5"></td><td colspan="5">MUD MATERIALS ADDED</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">CUTTING STRUCTURE</td><td colspan="5">Katty Clean</td><td colspan="5">REDUCED PUMP SPEED</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">TO</td><td colspan="5">Graps</td><td colspan="5">Pump # Pressure Strokes/min Depth</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">MDC</td><td colspan="5">ODC</td><td colspan="5">Hole Drag Up Down</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">LOC</td><td colspan="5">Reason Pulled</td><td colspan="5">Torque At Bottom</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">BRG</td><td colspan="5">Total Run (m)</td><td colspan="5">Fill On Bottom</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="25">TOUR 2 SIGNATURE OF DRILLER Jordan Cawsey</td></tr><tr><td colspan="25"><table><tr><th colspan="2">BITS</th><th colspan="5">DRILLING ASSEMBLY</th><th colspan="5">MUD RECORD</th><th colspan="5">DEVIATION SURVEYS</th><th colspan="5">TIME LOG</th></tr><tr><td colspan="2">Bit Number</td><td colspan="5">No Component OD ID Length</td><td colspan="5">Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/></td><td colspan="5">Time Depth Deviation Direction Type</td><td colspan="5">From To Elapsed Code</td></tr><tr><td colspan="2">Size</td><td colspan="5"></td><td colspan="5">Time</td><td colspan="5"></td><td colspan="5">Details of Operations In Sequence &amp; Remarks</td></tr><tr><td colspan="2">IADC Code</td><td colspan="5"></td><td colspan="5">Density</td><td colspan="5"></td><td colspan="5">8:00 16:00 8:00 1 Rig up Beaver Rig#15AC to Spud. Work on stringing &amp; plugging in all power cords on rig. Raise roofs &amp; install handrails on Complex Mud tanks.</td></tr><tr><td colspan="2">Manufacturer</td><td colspan="5"></td><td colspan="5">Funnel Viscosity</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Type</td><td colspan="5"></td><td colspan="5">Fluid Loss</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Serial No</td><td colspan="5"></td><td colspan="5">pH</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Jets</td><td colspan="5"></td><td colspan="5">Location Of Sample</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Depth Out (m)</td><td colspan="5"></td><td colspan="5">Depth</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Depth In (m)</td><td colspan="5"></td><td colspan="5">PVT</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Total Drilled (m)</td><td colspan="5"></td><td colspan="5">Circulation</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Hrs Run Today</td><td colspan="5"></td><td colspan="5">Pump # Type Liner Size SPM Pressure Hrs Run</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Cumulative Hrs Run</td><td colspan="5"></td><td colspan="5">Remarks</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Entry Date</td><td colspan="5"></td><td colspan="5">MUD MATERIALS ADDED</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">CUTTING STRUCTURE</td><td colspan="5">Katty Clean</td><td colspan="5">REDUCED PUMP SPEED</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">TO</td><td colspan="5">Graps</td><td colspan="5">Pump # Pressure Strokes/min Depth</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">MDC</td><td colspan="5">ODC</td><td colspan="5">Hole Drag Up Down</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">LOC</td><td colspan="5">Reason Pulled</td><td colspan="5">Torque At Bottom</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">BRG</td><td colspan="5">Total Run (m)</td><td colspan="5">Fill On Bottom</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="25">TOUR 3 SIGNATURE OF DRILLER Stefan Polny</td></tr><tr><td colspan="25"><table><tr><th colspan="2">BITS</th><th colspan="5">DRILLING ASSEMBLY</th><th colspan="5">MUD RECORD</th><th colspan="5">DEVIATION SURVEYS</th><th colspan="5">TIME LOG</th></tr><tr><td colspan="2">Bit Number</td><td colspan="5">No Component OD ID Length</td><td colspan="5">Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/></td><td colspan="5">Time Depth Deviation Direction Type</td><td colspan="5">From To Elapsed Code</td></tr><tr><td colspan="2">Size</td><td colspan="5"></td><td colspan="5">Time</td><td colspan="5"></td><td colspan="5">Details of Operations In Sequence &amp; Remarks</td></tr><tr><td colspan="2">IADC Code</td><td colspan="5"></td><td colspan="5">Density</td><td colspan="5"></td><td colspan="5">16:00 24:00 8:00 1 Rig up Beaver Rig#15AC to Spud. Work on stringing &amp; plugging in all power cords on rig. Fire up 3512 Generator, VFD &amp; Drawworks. Prepare to string 1 1/4" drilling line. 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Raise roofs & install handrails on Complex Mud tanks.  |  |  |  |  | Manufacturer |  |  |  |  |  |  | Funnel Viscosity |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Type |  |  |  |  |  |  | Fluid Loss |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Serial No |  |  |  |  |  |  | pH |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Jets |  |  |  |  |  |  | Location Of Sample |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Depth Out (m) |  |  |  |  |  |  | Depth |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Depth In (m) |  |  |  |  |  |  | PVT |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Total Drilled (m) |  |  |  |  |  |  | Circulation |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Hrs Run Today |  |  |  |  |  |  | Pump # Type Liner Size SPM Pressure Hrs Run |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Cumulative Hrs Run |  |  |  |  |  |  | Remarks |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Entry Date |  |  |  |  |  |  | MUD MATERIALS ADDED |  |  |  |  |  |  |  |  |  |  |  |  |  |  | CUTTING STRUCTURE |  | Katty Clean |  |  |  |  | REDUCED PUMP SPEED |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TO |  | Graps |  |  |  |  | Pump # Pressure Strokes/min Depth |  |  |  |  |  |  |  |  |  |  |  |  |  |  | MDC |  | ODC |  |  |  |  | Hole Drag Up Down |  |  |  |  |  |  |  |  |  |  |  |  |  |  | LOC |  | Reason Pulled |  |  |  |  | Torque At Bottom |  |  |  |  |  |  |  |  |  |  |  |  |  |  | BRG |  | Total Run (m) |  |  |  |  | Fill On Bottom |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TOUR 3 SIGNATURE OF DRILLER Stefan Polny  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <table><tr><th colspan="2">BITS</th><th colspan="5">DRILLING ASSEMBLY</th><th colspan="5">MUD RECORD</th><th colspan="5">DEVIATION SURVEYS</th><th colspan="5">TIME LOG</th></tr><tr><td colspan="2">Bit Number</td><td colspan="5">No Component OD ID Length</td><td colspan="5">Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/></td><td colspan="5">Time Depth Deviation Direction Type</td><td colspan="5">From To Elapsed Code</td></tr><tr><td colspan="2">Size</td><td colspan="5"></td><td colspan="5">Time</td><td colspan="5"></td><td colspan="5">Details of Operations In Sequence &amp; Remarks</td></tr><tr><td colspan="2">IADC Code</td><td colspan="5"></td><td colspan="5">Density</td><td colspan="5"></td><td colspan="5">16:00 24:00 8:00 1 Rig up Beaver Rig#15AC to Spud. 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  |        | DRILLING ASSEMBLY         |   |   |   |   | MUD RECORD  |   |   |   |    | DEVIATION SURVEYS                   |    |                       |    |                                     | TIME LOG   |             |    |  |    |          |    |    |                 |         |                   |      |   |       |   |            |   |   |    |    |                   |    |    |    |    |          |    |    |    |    |            |    |                           |    |       |     |      |   |        |      |  |  |                                     |  |  |  |  |                      |  |  |  |  |      |  |  |  |  |  |  |      |  |  |  |      |       |      |        |      |  |   |  |  |  |  |           |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |      |  |     |        |      |  |              |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |       |  |       |       |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |       |         |      |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |             |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |       |  |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |     |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  
   
   
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Raise roofs &amp; install handrails on Complex Mud tanks.</td></tr><tr><td colspan="2">Manufacturer</td><td colspan="5"></td><td colspan="5">Funnel Viscosity</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Type</td><td colspan="5"></td><td colspan="5">Fluid Loss</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Serial No</td><td colspan="5"></td><td colspan="5">pH</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Jets</td><td colspan="5"></td><td colspan="5">Location Of Sample</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Depth Out (m)</td><td colspan="5"></td><td colspan="5">Depth</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Depth In (m)</td><td colspan="5"></td><td colspan="5">PVT</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Total Drilled (m)</td><td colspan="5"></td><td colspan="5">Circulation</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Hrs Run Today</td><td colspan="5"></td><td colspan="5">Pump # Type Liner Size SPM Pressure Hrs Run</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Cumulative Hrs Run</td><td colspan="5"></td><td colspan="5">Remarks</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Entry Date</td><td colspan="5"></td><td colspan="5">MUD MATERIALS ADDED</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">CUTTING STRUCTURE</td><td colspan="5">Katty Clean</td><td colspan="5">REDUCED PUMP SPEED</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">TO</td><td colspan="5">Graps</td><td colspan="5">Pump # Pressure Strokes/min Depth</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">MDC</td><td colspan="5">ODC</td><td colspan="5">Hole Drag Up Down</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">LOC</td><td colspan="5">Reason Pulled</td><td colspan="5">Torque At Bottom</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">BRG</td><td colspan="5">Total Run (m)</td><td colspan="5">Fill On Bottom</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="25">TOUR 3 SIGNATURE OF DRILLER Stefan Polny</td></tr><tr><td colspan="25"><table><tr><th colspan="2">BITS</th><th colspan="5">DRILLING ASSEMBLY</th><th colspan="5">MUD RECORD</th><th colspan="5">DEVIATION SURVEYS</th><th colspan="5">TIME LOG</th></tr><tr><td colspan="2">Bit Number</td><td colspan="5">No Component OD ID Length</td><td colspan="5">Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/></td><td colspan="5">Time Depth Deviation Direction Type</td><td colspan="5">From To Elapsed Code</td></tr><tr><td colspan="2">Size</td><td colspan="5"></td><td colspan="5">Time</td><td colspan="5"></td><td colspan="5">Details of Operations In Sequence &amp; Remarks</td></tr><tr><td colspan="2">IADC Code</td><td colspan="5"></td><td colspan="5">Density</td><td colspan="5"></td><td colspan="5">16:00 24:00 8:00 1 Rig up Beaver Rig#15AC to Spud. 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   |        |                           |   |   |   |   |   |   |   |   |    |                                     |    |                       |    |                                     |  |             |    |  |    |          |    |    | BITS            |         | DRILLING ASSEMBLY |      |   |       |   | MUD RECORD |   |   |    |    | DEVIATION SURVEYS |    |    |    |    | TIME LOG |    |    |    |    | Bit Number |    | No Component OD ID Length |    |       |     |      | Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/> |        |      |  |  | Time Depth Deviation Direction Type |  |  |  |  | From To Elapsed Code |  |  |  |  | Size |  |  |  |  |  |  | Time |  |  |  |      |       |      |        |      |  | Details of Operations In Sequence & Remarks |  |  |  |  | IADC Code |  |  |  |  |  |  | Density |  |  |  |  |  |  |  |  |      | 8:00 16:00 8:00 1 Rig up Beaver Rig#15AC to Spud. 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Raise roofs & install handrails on Complex Mud tanks.  |     |        |      |  | Manufacturer |  |  |  |  |  |  | Funnel Viscosity |  |  |  |  |  |  |  |  |  |  |  |  |  |      | Type  |  |       |       |  |  |  | Fluid Loss |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Serial No |  |  |  |       |         |      | pH               |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Jets |  |  |  |  |  |  | Location Of Sample |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Depth Out (m) |  |  |  |  |  |  | Depth |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Depth In (m) |  |  |  |  |  |  | PVT |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Total Drilled (m) |  |  |  |  |  |  | Circulation |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Hrs Run Today |  |  |  |  |  |  | Pump # Type Liner Size SPM Pressure Hrs Run |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Cumulative Hrs Run |  |  |  |  |  |  | Remarks |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Entry Date |  |  |  |  |  |  | MUD MATERIALS ADDED |  |  |  |  |  |  |  |  |  |  |  |  |  |  | CUTTING STRUCTURE |  | Katty Clean |  |  |  |  | REDUCED PUMP SPEED |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TO |  | Graps |  |  |  |  | Pump # Pressure Strokes/min Depth |  |  |  |  |  |  |  |  |  |  |  |  |  |  | MDC |  | ODC |  |  |  |  | Hole Drag Up Down |  |  |  |  |  |  |  |  |  |  |  |  |  |  | LOC |  | Reason Pulled |  |  |  |  | Torque At Bottom |  |  |  |  |  |  |  |  |  |  |  |  |  |  | BRG |  | Total Run (m) |  |  |  |  | Fill On Bottom |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TOUR 3 SIGNATURE OF DRILLER Stefan Polny  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <table><tr><th colspan="2">BITS</th><th colspan="5">DRILLING ASSEMBLY</th><th colspan="5">MUD RECORD</th><th colspan="5">DEVIATION SURVEYS</th><th colspan="5">TIME LOG</th></tr><tr><td colspan="2">Bit Number</td><td colspan="5">No Component OD ID Length</td><td colspan="5">Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/></td><td colspan="5">Time Depth Deviation Direction Type</td><td colspan="5">From To Elapsed Code</td></tr><tr><td colspan="2">Size</td><td colspan="5"></td><td colspan="5">Time</td><td colspan="5"></td><td colspan="5">Details of Operations In Sequence &amp; Remarks</td></tr><tr><td colspan="2">IADC Code</td><td colspan="5"></td><td colspan="5">Density</td><td colspan="5"></td><td colspan="5">16:00 24:00 8:00 1 Rig up Beaver Rig#15AC to Spud. 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  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | BITS |  | DRILLING ASSEMBLY |  |  |  |  | MUD RECORD |  |  |  |  | DEVIATION SURVEYS |  |  |  |  | TIME LOG |  |  |  |  | Bit Number |  | No Component OD ID Length |  |  |  |  | Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/> |  |  |  |  | Time Depth Deviation Direction Type |  |  |  |  | From To Elapsed Code |  |  |  |  | Size |  |  |  |  |  |  | Time |  |  |  |  |  |  |  |  |  | Details of Operations In Sequence & Remarks |  |  |  |  | IADC Code |  |  |  |  |  |  | Density |  |  |  |  |  |  |  |  |  | 16:00 24:00 8:00 1 Rig up Beaver Rig#15AC to Spud. Work on stringing & plugging in all power cords on rig. Fire up 3512 Generator, VFD & Drawworks. Prepare to string 1 1/4" drilling line. "Boiler#1 fired up & online @ 22:00hrs". |  |  |  |  | Manufacturer |  |  |  |  |  |  | Funnel Viscosity |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Type |  |  |  |  |  |  | Fluid Loss |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Serial No |  |  |  |  |  |  | pH |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Jets |  |  |  |  |  |  | Location Of Sample |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Depth Out (m) |  |  |  |  |  |  | Depth |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Depth In (m) |  |  |  |  |  |  | PVT |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Total Drilled (m) |  |  |  |  |  |  | Circulation |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Hrs Run Today |  |  |  |  |  |  | Pump # Type Liner Size SPM Pressure Hrs Run |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Cumulative Hrs Run |  |  |  |  |  |  | Remarks |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Entry Date |  |  |  |  |  |  | MUD MATERIALS ADDED |  |  |  |  |  |  |  |  |  |  |  |  |  |  | CUTTING STRUCTURE |  | Katty Clean |  |  |  |  | REDUCED PUMP SPEED |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TO |  |       |  |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |     |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |  |                   |  |  |  |  |            |  |  |  |  |                   |  |  |  |  |          |  |  |  |  |            |  |                           |  |  |  |  |   |  |  |  |  |                                     |  |  |  |  |                      |  |  |  |  |      |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |   |  |  |  |  |           |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |             |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |
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  |        | DRILLING ASSEMBLY         |   |   |   |   | MUD RECORD  |   |   |   |    | DEVIATION SURVEYS                   |    |                       |    |                                     | TIME LOG   |             |    |  |    |          |    |    |                 |         |                   |      |   |       |   |            |   |   |    |    |                   |    |    |    |    |          |    |    |    |    |            |    |                           |    |       |     |      |   |        |      |  |  |                                     |  |  |  |  |                      |  |  |  |  |      |  |  |  |  |  |  |      |  |  |  |      |       |      |        |      |  |   |  |  |  |  |           |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |      |  |     |        |      |  |              |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |       |  |       |       |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |       |         |      |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |             |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |       |  |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |     |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  
   
   
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| <table><tr><th colspan="2">BITS</th><th colspan="5">DRILLING ASSEMBLY</th><th colspan="5">MUD RECORD</th><th colspan="5">DEVIATION SURVEYS</th><th colspan="5">TIME LOG</th></tr><tr><td colspan="2">Bit Number</td><td colspan="5">No Component OD ID Length</td><td colspan="5">Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/></td><td colspan="5">Time Depth Deviation Direction Type</td><td colspan="5">From To Elapsed Code</td></tr><tr><td colspan="2">Size</td><td colspan="5"></td><td colspan="5">Time</td><td colspan="5"></td><td colspan="5">Details of Operations In Sequence &amp; Remarks</td></tr><tr><td colspan="2">IADC Code</td><td colspan="5"></td><td colspan="5">Density</td><td colspan="5"></td><td colspan="5">16:00 24:00 8:00 1 Rig up Beaver Rig#15AC to Spud. Work on stringing &amp; plugging in all power cords on rig. Fire up 3512 Generator, VFD &amp; Drawworks. Prepare to string 1 1/4" drilling line. 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   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | BITS |  | DRILLING ASSEMBLY |  |  |  |  | MUD RECORD |  |  |  |  | DEVIATION SURVEYS |  |  |  |  | TIME LOG |  |  |  |  | Bit Number |  | No Component OD ID Length |  |  |  |  | Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/> |  |  |  |  | Time Depth Deviation Direction Type |  |  |  |  | From To Elapsed Code |  |  |  |  | Size |  |  |  |  |  |  | Time |  |  |  |  |  |  |  |  |  | Details of Operations In Sequence & Remarks |  |  |  |  | IADC Code |  |  |  |  |  |  | Density |  |  |  |  |  |  |  |  |  | 16:00 24:00 8:00 1 Rig up Beaver Rig#15AC to Spud. Work on stringing & plugging in all power cords on rig. Fire up 3512 Generator, VFD & Drawworks. Prepare to string 1 1/4" drilling line. "Boiler#1 fired up & online @ 22:00hrs". |  |  |  |  | Manufacturer |  |  |  |  |  |  | Funnel Viscosity |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Type |  |  |  |  |  |  | Fluid Loss |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Serial No |  |  |  |  |  |  | pH |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Jets |  |  |  |  |  |  | Location Of Sample |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Depth Out (m) |  |  |  |  |  |  | Depth |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Depth In (m) |  |  |  |  |  |  | PVT |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Total Drilled (m) |  |  |  |  |  |  | Circulation |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Hrs Run Today |  |  |  |  |  |  | Pump # Type Liner Size SPM Pressure Hrs Run |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Cumulative Hrs Run |  |  |  |  |  |  | Remarks |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Entry Date |  |  |  |  |  |  | MUD MATERIALS ADDED |  |  |  |  |  |  |  |  |  |  |  |  |  |  | CUTTING STRUCTURE |  | Katty Clean |  |  |  |  | REDUCED PUMP SPEED |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TO |  |       |  |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |     |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  
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  |        | DRILLING ASSEMBLY         |   |   |   |   | MUD RECORD  |   |   |   |    | DEVIATION SURVEYS                   |    |                       |    |                                     | TIME LOG   |             |    |  |    |          |    |    |                 |         |                   |      |   |       |   |            |   |   |    |    |                   |    |    |    |    |          |    |    |    |    |            |    |                           |    |       |     |      |   |        |      |  |  |                                     |  |  |  |  |                      |  |  |  |  |      |  |  |  |  |  |  |      |  |  |  |      |       |      |        |      |  |   |  |  |  |  |           |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |      |  |     |        |      |  |              |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |       |  |       |       |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |       |         |      |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |             |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |       |  |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |     |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  
   
   
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  |        | No Component OD ID Length |   |   |   |   | Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/> |   |   |   |    | Time Depth Deviation Direction Type |    |                       |    |                                     | From To Elapsed Code   |             |    |  |    |          |    |    |                 |         |                   |      |   |       |   |            |   |   |    |    |                   |    |    |    |    |          |    |    |    |    |            |    |                           |    |       |     |      |   |        |      |  |  |                                     |  |  |  |  |                      |  |  |  |  |      |  |  |  |  |  |  |      |  |  |  |      |       |      |        |      |  |   |  |  |  |  |           |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |      |  |     |        |      |  |              |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |       |  |       |       |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |       |         |      |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |             |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |       |  |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |     |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  
   
   
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   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | BITS |  | DRILLING ASSEMBLY |  |  |  |  | MUD RECORD |  |  |  |  | DEVIATION SURVEYS |  |  |  |  | TIME LOG |  |  |  |  | Bit Number |  | No Component OD ID Length |  |  |  |  | Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/> |  |  |  |  | Time Depth Deviation Direction Type |  |  |  |  | From To Elapsed Code |  |  |  |  | Size |  |  |  |  |  |  | Time |  |  |  |  |  |  |  |  |  | Details of Operations In Sequence & Remarks |  |  |  |  | IADC Code |  |  |  |  |  |  | Density |  |  |  |  |  |  |  |  |  | 16:00 24:00 8:00 1 Rig up Beaver Rig#15AC to Spud. Work on stringing & plugging in all power cords on rig. Fire up 3512 Generator, VFD & Drawworks. Prepare to string 1 1/4" drilling line. "Boiler#1 fired up & online @ 22:00hrs". |  |  |  |  | Manufacturer |  |  |  |  |  |  | Funnel Viscosity |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Type |  |  |  |  |  |  | Fluid Loss |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Serial No |  |  |  |  |  |  | pH |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Jets |  |  |  |  |  |  | Location Of Sample |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Depth Out (m) |  |  |  |  |  |  | Depth |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Depth In (m) |  |  |  |  |  |  | PVT |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Total Drilled (m) |  |  |  |  |  |  | Circulation |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Hrs Run Today |  |  |  |  |  |  | Pump # Type Liner Size SPM Pressure Hrs Run |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Cumulative Hrs Run |  |  |  |  |  |  | Remarks |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Entry Date |  |  |  |  |  |  | MUD MATERIALS ADDED |  |  |  |  |  |  |  |  |  |  |  |  |  |  | CUTTING STRUCTURE |  | Katty Clean |  |  |  |  | REDUCED PUMP SPEED |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TO |  |       |  |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |     |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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  |        | DRILLING ASSEMBLY         |   |   |   |   | MUD RECORD  |   |   |   |    | DEVIATION SURVEYS                   |    |                       |    |                                     | TIME LOG   |             |    |  |    |          |    |    |                 |         |                   |      |   |       |   |            |   |   |    |    |                   |    |    |    |    |          |    |    |    |    |            |    |                           |    |       |     |      |   |        |      |  |  |                                     |  |  |  |  |                      |  |  |  |  |      |  |  |  |  |  |  |      |  |  |  |      |       |      |        |      |  |   |  |  |  |  |           |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |      |  |     |        |      |  |              |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |       |  |       |       |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |       |         |      |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |             |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |       |  |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |     |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  
   
   
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  |        |                           |   |   |   |   | Density   |   |   |   |    |                                     |    |                       |    |                                     | 16:00 24:00 8:00 1 Rig up Beaver Rig#15AC to Spud. Work on stringing & plugging in all power cords on rig. Fire up 3512 Generator, VFD & Drawworks. Prepare to string 1 1/4" drilling line. "Boiler#1 fired up & online @ 22:00hrs". |             |    |  |    |          |    |    |                 |         |                   |      |   |       |   |            |   |   |    |    |                   |    |    |    |    |          |    |    |    |    |            |    |                           |    |       |     |      |   |        |      |  |  |                                     |  |  |  |  |                      |  |  |  |  |      |  |  |  |  |  |  |      |  |  |  |      |       |      |        |      |  |   |  |  |  |  |           |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |      |  |     |        |      |  |              |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |       |  |       |       |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |       |         |      |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |             |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |       |  |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |     |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  
   
   
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| <table><tr><th colspan="2">BITS</th><th colspan="5">DRILLING ASSEMBLY</th><th colspan="5">MUD RECORD</th><th colspan="5">DEVIATION SURVEYS</th><th colspan="5">TIME LOG</th></tr><tr><td colspan="2">Bit Number</td><td colspan="5">No Component OD ID Length</td><td colspan="5">Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/></td><td colspan="5">Time Depth Deviation Direction Type</td><td colspan="5">From To Elapsed Code</td></tr><tr><td colspan="2">Size</td><td colspan="5"></td><td colspan="5">Time</td><td colspan="5"></td><td colspan="5">Details of Operations In Sequence &amp; Remarks</td></tr><tr><td colspan="2">IADC Code</td><td colspan="5"></td><td colspan="5">Density</td><td colspan="5"></td><td colspan="5">16:00 24:00 8:00 1 Rig up Beaver Rig#15AC to Spud. Work on stringing &amp; plugging in all power cords on rig. Fire up 3512 Generator, VFD &amp; Drawworks. Prepare to string 1 1/4" drilling line. 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  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | BITS |  | DRILLING ASSEMBLY |  |  |  |  | MUD RECORD |  |  |  |  | DEVIATION SURVEYS |  |  |  |  | TIME LOG |  |  |  |  | Bit Number |  | No Component OD ID Length |  |  |  |  | Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/> |  |  |  |  | Time Depth Deviation Direction Type |  |  |  |  | From To Elapsed Code |  |  |  |  | Size |  |  |  |  |  |  | Time |  |  |  |  |  |  |  |  |  | Details of Operations In Sequence & Remarks |  |  |  |  | IADC Code |  |  |  |  |  |  | Density |  |  |  |  |  |  |  |  |  | 16:00 24:00 8:00 1 Rig up Beaver Rig#15AC to Spud. Work on stringing & plugging in all power cords on rig. Fire up 3512 Generator, VFD & Drawworks. Prepare to string 1 1/4" drilling line. "Boiler#1 fired up & online @ 22:00hrs". |  |  |  |  | Manufacturer |  |  |  |  |  |  | Funnel Viscosity |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Type |  |  |  |  |  |  | Fluid Loss |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Serial No |  |  |  |  |  |  | pH |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Jets |  |  |  |  |  |  | Location Of Sample |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Depth Out (m) |  |  |  |  |  |  | Depth |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Depth In (m) |  |  |  |  |  |  | PVT |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Total Drilled (m) |  |  |  |  |  |  | Circulation |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Hrs Run Today |  |  |  |  |  |  | Pump # Type Liner Size SPM Pressure Hrs Run |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Cumulative Hrs Run |  |  |  |  |  |  | Remarks |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Entry Date |  |  |  |  |  |  | MUD MATERIALS ADDED |  |  |  |  |  |  |  |  |  |  |  |  |  |  | CUTTING STRUCTURE |  | Katty Clean |  |  |  |  | REDUCED PUMP SPEED |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TO |  |       |  |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |     |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   
   
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  |        | DRILLING ASSEMBLY         |   |   |   |   | MUD RECORD  |   |   |   |    | DEVIATION SURVEYS                   |    |                       |    |                                     | TIME LOG   |             |    |  |    |          |    |    |                 |         |                   |      |   |       |   |            |   |   |    |    |                   |    |    |    |    |          |    |    |    |    |            |    |                           |    |       |     |      |   |        |      |  |  |                                     |  |  |  |  |                      |  |  |  |  |      |  |  |  |  |  |  |      |  |  |  |      |       |      |        |      |  |   |  |  |  |  |           |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |      |  |     |        |      |  |              |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |       |  |       |       |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |       |         |      |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |             |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |       |  |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |     |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  
   
   
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  |        |                           |   |   |   |   | Density   |   |   |   |    |                                     |    |                       |    |                                     | 16:00 24:00 8:00 1 Rig up Beaver Rig#15AC to Spud. Work on stringing & plugging in all power cords on rig. Fire up 3512 Generator, VFD & Drawworks. Prepare to string 1 1/4" drilling line. "Boiler#1 fired up & online @ 22:00hrs". |             |    |  |    |          |    |    |                 |         |                   |      |   |       |   |            |   |   |    |    |                   |    |    |    |    |          |    |    |    |    |            |    |                           |    |       |     |      |   |        |      |  |  |                                     |  |  |  |  |                      |  |  |  |  |      |  |  |  |  |  |  |      |  |  |  |      |       |      |        |      |  |   |  |  |  |  |           |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |      |  |     |        |      |  |              |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |       |  |       |       |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |       |         |      |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |             |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |       |  |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |     |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  
   
   
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| <table><tr><th colspan="2">BITS</th><th colspan="5">DRILLING ASSEMBLY</th><th colspan="5">MUD RECORD</th><th colspan="5">DEVIATION SURVEYS</th><th colspan="5">TIME LOG</th></tr><tr><td colspan="2">Bit Number</td><td colspan="5">No Component OD ID Length</td><td colspan="5">Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/></td><td colspan="5">Time Depth Deviation Direction Type</td><td colspan="5">From To Elapsed Code</td></tr><tr><td colspan="2">Size</td><td colspan="5"></td><td colspan="5">Time</td><td colspan="5"></td><td colspan="5">Details of Operations In Sequence &amp; Remarks</td></tr><tr><td colspan="2">IADC Code</td><td colspan="5"></td><td colspan="5">Density</td><td colspan="5"></td><td colspan="5">16:00 24:00 8:00 1 Rig up Beaver Rig#15AC to Spud. Work on stringing &amp; plugging in all power cords on rig. Fire up 3512 Generator, VFD &amp; Drawworks. Prepare to string 1 1/4" drilling line. 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  |        | No Component OD ID Length |   |   |   |   | Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/> |   |   |   |    | Time Depth Deviation Direction Type |    |                       |    |                                     | From To Elapsed Code   |             |    |  |    |          |    |    |                 |         |                   |      |   |       |   |            |   |   |    |    |                   |    |    |    |    |          |    |    |    |    |            |    |                           |    |       |     |      |   |        |      |  |  |                                     |  |  |  |  |                      |  |  |  |  |      |  |  |  |  |  |  |      |  |  |  |      |       |      |        |      |  |   |  |  |  |  |           |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |      |  |     |        |      |  |              |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |       |  |       |       |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |       |         |      |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |             |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |       |  |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |     |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  
   
   
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  |        |                           |   |   |   |   | Density   |   |   |   |    |                                     |    |                       |    |                                     | 16:00 24:00 8:00 1 Rig up Beaver Rig#15AC to Spud. Work on stringing & plugging in all power cords on rig. Fire up 3512 Generator, VFD & Drawworks. Prepare to string 1 1/4" drilling line. "Boiler#1 fired up & online @ 22:00hrs". |             |    |  |    |          |    |    |                 |         |                   |      |   |       |   |            |   |   |    |    |                   |    |    |    |    |          |    |    |    |    |            |    |                           |    |       |     |      |   |        |      |  |  |                                     |  |  |  |  |                      |  |  |  |  |      |  |  |  |  |  |  |      |  |  |  |      |       |      |        |      |  |   |  |  |  |  |           |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |      |  |     |        |      |  |              |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |       |  |       |       |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |       |         |      |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |             |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |       |  |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |     |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  
   
   
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| <table><tr><th colspan="2">BITS</th><th colspan="5">DRILLING ASSEMBLY</th><th colspan="5">MUD RECORD</th><th colspan="5">DEVIATION SURVEYS</th><th colspan="5">TIME LOG</th></tr><tr><td colspan="2">Bit Number</td><td colspan="5">No Component OD ID Length</td><td colspan="5">Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/></td><td colspan="5">Time Depth Deviation Direction Type</td><td colspan="5">From To Elapsed Code</td></tr><tr><td colspan="2">Size</td><td colspan="5"></td><td colspan="5">Time</td><td colspan="5"></td><td colspan="5">Details of Operations In Sequence &amp; Remarks</td></tr><tr><td colspan="2">IADC Code</td><td colspan="5"></td><td colspan="5">Density</td><td colspan="5"></td><td colspan="5">16:00 24:00 8:00 1 Rig up Beaver Rig#15AC to Spud. Work on stringing &amp; plugging in all power cords on rig. Fire up 3512 Generator, VFD &amp; Drawworks. Prepare to string 1 1/4" drilling line. 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  |        |                           |   |   |   |   | Density   |   |   |   |    |                                     |    |                       |    |                                     | 16:00 24:00 8:00 1 Rig up Beaver Rig#15AC to Spud. Work on stringing & plugging in all power cords on rig. Fire up 3512 Generator, VFD & Drawworks. Prepare to string 1 1/4" drilling line. "Boiler#1 fired up & online @ 22:00hrs". |             |    |  |    |          |    |    |                 |         |                   |      |   |       |   |            |   |   |    |    |                   |    |    |    |    |          |    |    |    |    |            |    |                           |    |       |     |      |   |        |      |  |  |                                     |  |  |  |  |                      |  |  |  |  |      |  |  |  |  |  |  |      |  |  |  |      |       |      |        |      |  |   |  |  |  |  |           |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |      |  |     |        |      |  |              |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |       |  |       |       |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |       |         |      |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |             |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |       |  |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |     |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  
   
   
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| <table><tr><th colspan="2">BITS</th><th colspan="5">DRILLING ASSEMBLY</th><th colspan="5">MUD RECORD</th><th colspan="5">DEVIATION SURVEYS</th><th colspan="5">TIME LOG</th></tr><tr><td colspan="2">Bit Number</td><td colspan="5">No Component OD ID Length</td><td colspan="5">Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/></td><td colspan="5">Time Depth Deviation Direction Type</td><td colspan="5">From To Elapsed Code</td></tr><tr><td colspan="2">Size</td><td colspan="5"></td><td colspan="5">Time</td><td colspan="5"></td><td colspan="5">Details of Operations In Sequence &amp; Remarks</td></tr><tr><td colspan="2">IADC Code</td><td colspan="5"></td><td colspan="5">Density</td><td colspan="5"></td><td colspan="5">16:00 24:00 8:00 1 Rig up Beaver Rig#15AC to Spud. Work on stringing &amp; plugging in all power cords on rig. Fire up 3512 Generator, VFD &amp; Drawworks. Prepare to string 1 1/4" drilling line. 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| <table><tr><th colspan="2">BITS</th><th colspan="5">DRILLING ASSEMBLY</th><th colspan="5">MUD RECORD</th><th colspan="5">DEVIATION SURVEYS</th><th colspan="5">TIME LOG</th></tr><tr><td colspan="2">Bit Number</td><td colspan="5">No Component OD ID Length</td><td colspan="5">Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/></td><td colspan="5">Time Depth Deviation Direction Type</td><td colspan="5">From To Elapsed Code</td></tr><tr><td colspan="2">Size</td><td colspan="5"></td><td colspan="5">Time</td><td colspan="5"></td><td colspan="5">Details of Operations In Sequence &amp; Remarks</td></tr><tr><td colspan="2">IADC Code</td><td colspan="5"></td><td colspan="5">Density</td><td colspan="5"></td><td colspan="5">16:00 24:00 8:00 1 Rig up Beaver Rig#15AC to Spud. Work on stringing &amp; plugging in all power cords on rig. Fire up 3512 Generator, VFD &amp; Drawworks. Prepare to string 1 1/4" drilling line. "Boiler#1 fired up &amp; online @ 22:00hrs".</td></tr><tr><td colspan="2">Manufacturer</td><td colspan="5"></td><td colspan="5">Funnel Viscosity</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Type</td><td colspan="5"></td><td colspan="5">Fluid Loss</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Serial No</td><td colspan="5"></td><td colspan="5">pH</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Jets</td><td colspan="5"></td><td colspan="5">Location Of Sample</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Depth Out (m)</td><td colspan="5"></td><td colspan="5">Depth</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Depth In (m)</td><td colspan="5"></td><td colspan="5">PVT</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Total Drilled (m)</td><td colspan="5"></td><td colspan="5">Circulation</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Hrs Run Today</td><td colspan="5"></td><td colspan="5">Pump # Type Liner Size SPM Pressure Hrs Run</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Cumulative Hrs Run</td><td colspan="5"></td><td colspan="5">Remarks</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">Entry Date</td><td colspan="5"></td><td colspan="5">MUD MATERIALS ADDED</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">CUTTING STRUCTURE</td><td colspan="5">Katty Clean</td><td colspan="5">REDUCED PUMP SPEED</td><td colspan="5"></td><td colspan="5"></td></tr><tr><td colspan="2">TO</td></tr></table>  
   
   
  |        |                           |   |   |   |   |   |   |   |   |    |                                     |    |                       |    |                                     |  |             |    |  |    |          |    |    | BITS            |         | DRILLING ASSEMBLY |      |   |       |   | MUD RECORD |   |   |    |    | DEVIATION SURVEYS |    |    |    |    | TIME LOG |    |    |    |    | Bit Number |    | No Component OD ID Length |    |       |     |      | Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/> |        |      |  |  | Time Depth Deviation Direction Type |  |  |  |  | From To Elapsed Code |  |  |  |  | Size |  |  |  |  |  |  | Time |  |  |  |      |       |      |        |      |  | Details of Operations In Sequence & Remarks |  |  |  |  | IADC Code |  |  |  |  |  |  | Density |  |  |  |  |  |  |  |  |      | 16:00 24:00 8:00 1 Rig up Beaver Rig#15AC to Spud. Work on stringing & plugging in all power cords on rig. Fire up 3512 Generator, VFD & Drawworks. Prepare to string 1 1/4" drilling line. "Boiler#1 fired up & online @ 22:00hrs". |     |        |      |  | Manufacturer |  |  |  |  |  |  | Funnel Viscosity |  |  |  |  |  |  |  |  |  |  |  |  |  |      | Type  |  |       |       |  |  |  | Fluid Loss |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Serial No |  |  |  |       |         |      | pH               |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Jets |  |  |  |  |  |  | Location Of Sample |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Depth Out (m) |  |  |  |  |  |  | Depth |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Depth In (m) |  |  |  |  |  |  | PVT |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Total Drilled (m) |  |  |  |  |  |  | Circulation |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Hrs Run Today |  |  |  |  |  |  | Pump # Type Liner Size SPM Pressure Hrs Run |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Cumulative Hrs Run |  |  |  |  |  |  | Remarks |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Entry Date |  |  |  |  |  |  | MUD MATERIALS ADDED |  |  |  |  |  |  |  |  |  |  |  |  |  |  | CUTTING STRUCTURE |  | Katty Clean |  |  |  |  | REDUCED PUMP SPEED |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TO |  |       |  |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |     |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  
   
   
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  |        |                           |   |   |   |   | Density   |   |   |   |    |                                     |    |                       |    |                                     | 16:00 24:00 8:00 1 Rig up Beaver Rig#15AC to Spud. Work on stringing & plugging in all power cords on rig. Fire up 3512 Generator, VFD & Drawworks. Prepare to string 1 1/4" drilling line. "Boiler#1 fired up & online @ 22:00hrs". |             |    |  |    |          |    |    |                 |         |                   |      |   |       |   |            |   |   |    |    |                   |    |    |    |    |          |    |    |    |    |            |    |                           |    |       |     |      |   |        |      |  |  |                                     |  |  |  |  |                      |  |  |  |  |      |  |  |  |  |  |  |      |  |  |  |      |       |      |        |      |  |   |  |  |  |  |           |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |      |  |     |        |      |  |              |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |       |  |       |       |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |  |       |         |      |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |             |  |  |  |  |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |       |  |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |     |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |               |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  
   
   
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# FRONT PAGE SUMMARY

Tour Sheet Serial Number

BEAV15AC 20161215 1A

Vendor Software Version

RMS 2016.6.14.37064

Year

2016

Month

12

Day

15

## DAILY CHECKS

- (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 Dills Performed
- (7) Visually Inspected ROP's Flare Lines & Degasser Lines
- (1) Rig Site Health & Safety Meeting (one/two/month)
- (2) CAODC Rig Safety Inspection Checklist (one/two/month)
- (3) Mast Inspection before Raising or Lowering
- (4) Crown Saver Checked
- (5) Motor Wills Checked

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FRONT PAGE SUMMARY										DAILY CHECKS									
License No: 32309    Well Name: ARCRCRES HZ PARKLAND H12-07-081-16 Operator's #FF: 17DR0015 Signature of Operator's Representative: Dan Meyer										Tour Sheet Serial Number: BEAV15AC 20161216 1A    Vendor Software Version: RMS 2016.6.14.37064    Year: 2016    Month: 12    Day: 16 Surface Location: 12-7-81-16 W6    Prov: BC    Loc Type: DLS    Unique Well Id: 1000/01-07-081-16W6/00 Contractor: Beaver Drilling Ltd.    Contractor's License No: 0047    Spud Date Time: 16-Dec-2016    09:00 Signature of Contractor's Rig Manager: Shaun Low									
ARCRCRES Ltd. 17DR0015 Signature of Operator's Representative: Dan Meyer										Contractor: Beaver Drilling Ltd. Contractor's License No: 0047 Signature of Contractor's Rig Manager: Shaun Low									
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										OP RM (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 (1) Rig Site Health & Safety Meeting (once/week/month) (2) CAODC Rig Safety Inspection Checklist (weekly/monthly) (3) Mast Inspection before Raising or Lowering (4) Crown Block Checked (5) Motor Vibs Checked									
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										Rigs Bitting: 6.6    Top Fuel: 2500 FUEL @ 08:00 HRS 19043    2500 Time: 06:00    Temp: -31 Current conditions: HAZE Wind Direction: N    Wind Strength: CALM Road Condition: GOOD									

TOUR 1										SIGNATURE OF DRILLER: Stefan Polny										START TIME: 0:00										END TIME: 8:00									
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BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG									
Bit Number: 1A Size: 279 IADC Code: 1 Manufacturer: Sicoite Type: SS516GB Serial No: 12629 JMS: 14.3 14.3 14.3 Depth Out (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 0.00 Entry Date: 16-Dec-2016										No: 1 Component: 279mm PDC Bit ID: 279 Length: 1.027 1 Mud Motor 203 1 9.14 1 X/O 165 71 0.80 1 UBHO Sub 165 63 0.75 2 NM Slick 155 71 17.73 1 Jars 165 58 5.87 JMS: 14.3 14.3 14.3 Depth Out (m): 0.00 Total Drilled (m): 0.00 Hrs Run Today: 0.00 Cumulative Hrs Run: 0.00 Entry Date: 16-Dec-2016										Mud Type: Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Time: 10:45 13:45 Density: 1025 1040 Funnel Viscosity: 28 29 Fluid Loss: 0 pH: 10.5 Location Of Sample: Shakers Shaker Depth: 72.27 167.00 PVT: 73.57 74 Circulation: Pump # 1 Type: 152 105 17000 8.00 2 152 105 17000 8.00										Time: 0:00 4:00 4:00 1 4:00 4:30 0.50 21 4:30 4:45 0.25 21D 4:45 7:30 2.75 20D 7:30 8:00 0.50 21										Details Of Operations In Sequence & Remarks 0:00 4:00 4:00 1 Rig up Beaver Rig #15AC to spud. Prepare mud tanks & drilling fluid for drill out. Prepare rig floor tools for handling directional tools. Install Top Drive blower motor, test rotation direction & verify all functions. 4:00 4:30 0.50 21 Pre spud safety meeting. Discussed stick diagram, ERP and emergency contact list STARS site # 3187. 4:30 4:45 0.25 21D Safety meeting & JSA review with Dynamic directional drilling. 4:45 7:30 2.75 20D Handle directional tools. Pickup mud motor, dial down from 2.2 to 1.5 degrees & scribe. Make up PDC Bit #1A. Makeup 2 - 6" monels, with 2 - x/o subs, 1 - Muleshoe sub & Jars (Break x/o from jars and laydown x/o sub). Blow 4" mud lines with air & steam prior to circulating. 7:30 8:00 0.50 21 Crew hand-over meeting. Discuss hazard id's & daily events.									
CUTTING STRUCTURE TO: 0.00 MD: 0.00 LOC: 0.00 BSG: 0.00										Kelly Down: -0.56 Total: 34.00 Weight of DC: 0.00 Weight of String: 0.00										REDUCED PUMP SPEED Pump # 1 Pressure: 152 105 17000 8.00 2 152 105 17000 8.00										SOLIDS CONTROL Equipment Name: Hours Run: Intake Density: Over Flow Density: Under Flow Density:										MUD MATERIALS ADDED Product: Amount: Type: Bentonite Natural Gel: 20 sxs Caustic Soda: 1 sxs									
METRES DRILLED From: 0 To: 0 D-R-C: 0 RPM: 0 WOB: 0										HOLE CONDITION Hole Drag: Up Down Torque At Bottom: @ @ @ Fill On Bottom: @ @ @										BOILER BoilerNo: 1 HoursRun: 8.00 pH: 10.5 StackTemp: 450 2 8.00 10.5 450										SAFETY Safety Topic: MEHL MACP Handle directional tools. 22 0																			

TOUR 2										SIGNATURE OF DRILLER: Jordan Cawsey										START TIME: 8:00										END TIME: 16:00									
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BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG									
Bit Number: 1A Size: 279 IADC Code: 1 Manufacturer: Sicoite Type: SS516GB Serial No: 12629 JMS: 14.3 14.3 14.3 Depth Out (m): 6.60 Total Drilled (m): 236.40 Hrs Run Today: 4.00 Cumulative Hrs Run: 4.00 Entry Date: 16-Dec-2016										No: 1 Component: 279mm PDC Bit ID: 279 Length: 1.027 1 Mud Motor 203 1 9.14 1 X/O 165 71 0.80 1 UBHO Sub 165 63 0.75 2 NM Slick 155 71 17.73 1 Jars 165 58 5.87 JMS: 14.3 14.3 14.3 Depth Out (m): 6.60 Total Drilled (m): 236.40 Hrs Run Today: 4.00 Cumulative Hrs Run: 4.00 Entry Date: 16-Dec-2016										Mud Type: Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Time: 10:45 13:45 Density: 1025 1040 Funnel Viscosity: 28 29 Fluid Loss: 0 pH: 10.5 Location Of Sample: Shakers Shaker Depth: 72.27 167.00 PVT: 73.57 74 Circulation: Pump # 1 Type: 152 105 17000 8.00 2 152 105 17000 8.00										Time: 8:00 9:00 0.50 21F 8:30 9:00 0.50 21D 9:00 12:00 3.00 2 12:00 12:30 0.50 7 12:30 13:30 1.00 2 13:30 16:00 2.50 20A										Details Of Operations In Sequence & Remarks 8:00 8:30 0.50 21F Performed Pre-spud rig inspection & Hazard Hunt. All deficiencies corrected. 8:30 9:00 0.50 21D Pre spud safety meeting. Discussed stick diagram, ERP and emergency contact list STARS site # 3187. 9:00 12:00 3.00 2 Spud in with 279mm Sicoite Bit #1A and Drill 279mm Surface Hole from 24m to 138m MD. Drilling Parameters: Pump Rate- 3.2m3/min, Rotary- 160 RPM, WOB- 7 kdaN, Pump Pressure- 12,000 kPa, Diff Pressure- 3,000 kPa, Torque- 6,000 ft/lbs. 12:00 12:30 0.50 7 Rig & Top Drive Service. Functioned high/low travel stops/limits. Rig Smart Crown Saver & ZMS. Performed level 1 visual inspection of Mast & all overhead equipment. Performed Visual inspection of PS-21 slips and inserts, ok 12:30 13:30 1.00 2 Drill 279mm Surface Hole from 138m to 243m MD. Drilling Parameters: Pump Rate- 3.2m3/min, Rotary- 160 RPM, WOB- 10 kdaN, Pump Pressure- 17,000 kPa, Diff Pressure- 4,000 kPa, Torque- 8,500 ft/lbs. 13:30 16:00 2.50 20A Accumulated MWD survey, condition hole & connection time.									
CUTTING STRUCTURE TO: 0.00 MD: 0.00 LOC: 0.00 BSG: 0.00										Kelly Down: -0.65 Total: 243.00 Weight of DC: 28.00 Weight of String: 35.00										REDUCED PUMP SPEED Pump # 1 Pressure: 152 105 17000 8.00 2 152 105 17000 8.00										SOLIDS CONTROL Equipment Name: Hours Run: Intake Density: Over Flow Density: Under Flow Density:										MUD MATERIALS ADDED Product: Amount: Type: Sawdust: 75 sxs EnerPac Regular: 2 sxs Bentonite Natural Gel: 12 sxs Soap Sticks: 25 stics									
METRES DRILLED From: 24.00 To: 243.00 D-R-C: 160 RPM: 7 WOB: 7										HOLE CONDITION Hole Drag: Up 2 Down 2 Torque At Bottom: @ @ @ Fill On Bottom: @ @ @										BOILER BoilerNo: 1 HoursRun: 8.00 pH: 10.5 StackTemp: 450 2 8.00 10.5 450										SAFETY Safety Topic: MEHL MACP Handle directional tools. 40 0																			

TOUR 3										SIGNATURE OF DRILLER: Stefan Polny										START TIME: 16:00										END TIME: 24:00									
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BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG									
Bit Number: 1A Size: 279 IADC Code: 1 Manufacturer: Sicoite Type: SS516GB Serial No: 12629 JMS: 14.3 14.3 14.3 Depth Out (m): 460.00 Total Drilled (m): 453.40 Hrs Run Today: 4.00 Cumulative Hrs Run: 8.00 Entry Date: 16-Dec-2016										No: 1 Component: 279mm PDC Bit ID: 279 Length: 1.027 1 Mud Motor 203 1 9.14 1 X/O 165 71 0.80 1 UBHO Sub 165 63 0.75 2 NM Slick 155 71 17.73 1 Jars 165 58 5.87 JMS: 14.3 14.3 14.3 Depth Out (m): 460.00 Total Drilled (m): 453.40 Hrs Run Today: 4.00 Cumulative Hrs Run: 8.00 Entry Date: 16-Dec-2016										Mud Type: Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Time: 18:30 19:30 Density: 1030 1040 Funnel Viscosity: 30 34 Fluid Loss: 0 pH: 10.5 10.5 Location Of Sample: shakers Suction Depth: 309.52 338.04 PVT: 82.92 78.52 Circulation: Pump # 1 Type: 152 105 18000 8.00 2 PARALLEL 152 105 18000 8.00										Time: 21:45 26.89 0.00 77.9 21:45 55.31 0.40 71.8 21:45 84.45 0.20 20.6 21:45 112.93 0.40 29.2 21:45 141.31 0.50 30.8 21:45 169.72 0.70 1.5										Details Of Operations In Sequence & Remarks 16:00 19:00 3.00 2 Drill 279mm Surface Hole from 243m to 329m MD. Drilling Parameters: Pump Rate- 3.2m3/min, Rotary- 160 RPM, WOB- 10 kdaN, Pump Pressure- 18,000 kPa, Diff Pressure- 4,000 kPa, Torque- 10,000 ft/lbs. 19:00 19:30 0.50 21D Crew hand-over meeting. Discuss hazard id's & daily events. 19:30 20:30 1.00 2 Drill 279mm Surface Hole from 329m to 460m MD (Surface TD). Drilling Parameters: Pump Rate- 3.2m3/min, Rotary- 160 RPM, WOB- 10 kdaN, Pump Pressure- 18,000 kPa, Diff Pressure- 4,000 kPa, Torque- 10,000 ft/lbs. 20:30 22:15 1.75 20A Accumulated MWD survey, condition hole & connection time. 22:15 23:00 0.75 5 Reciprocate drill string & circulate hole clean. Review JSA. Blow Top Drive mud line with air. 23:00 24:00 1.00 6M Wiper trip out of hole from 460m to 91m.									
CUTTING STRUCTURE TO: 0.00 MD: 0.00 LOC: 0.00 BSG: 0.00										Kelly Down: -11.63 Total: 460.00 Weight of DC: 28.00 Weight of String: 40.00										REDUCED PUMP SPEED Pump # 1 Pressure: 152 105 18000 8.00 2 PARALLEL 152 105 18000 8.00										SOLIDS CONTROL Equipment Name: Hours Run: Intake Density: Over Flow Density: Under Flow Density:										MUD MATERIALS ADDED Product: Amount: Type: Sawdust: 15 sxs Bentonite Natural Gel: 15 sxs EnerPac Regular: 2 sxs									
METRES DRILLED From: 243.00 To: 460.00 D-R-C: 160 RPM: 8 WOB: 8										HOLE CONDITION Hole Drag: Up Down Torque At Bottom: @ @ @ Fill On Bottom: @ @ @										BOILER BoilerNo: 1 HoursRun: 8.00 pH: 10.5 StackTemp: 450 2 8.00 10.5 450										SAFETY Safety Topic: MEHL MACP V-door connections. 67 0																			



FRONT PAGE SUMMARY															DAILY CHECKS										OP RM																																																																																																																																																														
License No: 32309    Well Name: ARGRES HZ PARKLAND H12-07-081-16 Tour Sheet Serial Number: BEAV15AC 20161216 1A    Vendor Software Version: RMS 2016.6.14.37064    Year: 2016    Month: 12    Day: 16 Surface Location: 12-7-81-16 W6    Prov: BC    Loc Type: DLS    Unique Well ID: 100/01-07-081-16W6/00 Contractor: ARCS Resources Ltd.    Contractor's License No: 17DR10015    Spud Date Time: 16-Dec-2016 09:00 Signature of Operator's Representative: Dan Meyer    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 Scaled (6) BOP Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines (8) Rig Site Health & Safety Meeting (one/crow/month) (9) CADC Rig Safety Inspection Checklist (weekly/monthly) (10) Mast Inspection before Raising or Lowering (11) Crown Block Checked (12) Motor Vibs Checked										CAODC NOV																																																																																																																																																														
<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="5">HOURS</td> <td>Tour 1</td><td>4.00</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>2.75</td><td>1.25</td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Tour 2</td><td></td><td>4.00</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></td><td>2.50</td><td>1.00</td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Tour 3</td><td></td><td></td><td>4.00</td><td></td><td></td><td>0.75</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>1.75</td><td>0.50</td><td></td><td></td><td></td><td></td> </tr> <tr> <td>TOTAL</td><td>4.00</td><td>8.00</td><td></td><td></td><td></td><td>0.75</td><td>1.00</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>7.00</td><td>2.75</td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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	Tour 1	4.00																			2.75	1.25					Tour 2		4.00						0.50												2.50	1.00					Tour 3			4.00			0.75	1.00													1.75	0.50					TOTAL	4.00	8.00				0.75	1.00	0.50												7.00	2.75																															Kelly Bitting: 6.6    Top Fuel: 19043 FUEL @ 08:00 HRS: 2500 Time: 06:00    Temp: -31 Current Conditions: HAZE Wind Direction: N    Wind Strength: CALM Road Condition: GOOD	
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																																																																																																																																																														
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TOUR 1    SIGNATURE OF DRILLER: Stefan Polny															START TIME: 0:00    END TIME: 8:00																																																																																																																																																																								
<b>BITS</b> Bit Number: 1A    Size: 279 IADC Code:    Manufacturer: Sicotte    Type: SS516GB    Serial No: 12629 JMS: 14.3 14.3 14.3    Depth Out (m): 14.3 14.3 14.3    Depth In (m): 0.00    Total Drilled (m): 0.00    Hrs Run Today: 0.00    Cumulative Hrs Run: 0.00 Entry Date: 16-Dec-2016 <b>CUTTING STRUCTURE</b> TO:    MDC:    LDC:    BSG:    Weight of DC:    Weight of String:    Total: 34.00 <b>METRES DRILLED</b> From: To: D-R-C RPM WOB															<b>DRILLING ASSEMBLY</b> No Component OD ID Length 1 279mm PDC Bit 279 1 0.27 1 Mud Motor 203 1 9.14 1 X/O 165 71 0.80 1 UBHO Sub 165 63 0.75 2 NM Slick 155 71 17.72 1 Jars 165 58 5.87 <b>MUD RECORD</b> Mud Type: Water    Other:    Time:    Density:    Funnel Viscosity:    Fluid Loss:    pH:    Location Of Sample:    Depth:    PVT:    Circulation:    Pump # Type Liner Size SPM Pressure Hrs Run 1 2 152 1 0 0.00 2 152 1 0 0.00 <b>REDUCED PUMP SPEED</b> Pump # Pressure Strokes/min Depth:    Hole Drag Up Down    Torque At Bottom    Fill On Bottom										<b>DEVIATION SURVEYS</b> Time Depth Deviation Direction Type <b>SOLIDS CONTROL</b> Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density <b>MUD MATERIALS ADDED</b> Product Amount Type <b>BOILER</b> BoilerNo HoursRun pH StackTemp <b>SAFETY</b> Safety Topic MEHL MACP Handle directional tools. 22 0										<b>TIME LOG</b> From To Elapsed Code Details Of Operations In Sequence & Remarks Remarks: Boiler #2 Fuel @ 05:00 Hrs = 7200 litres.																																																																																																																																																				
TOUR 2    SIGNATURE OF DRILLER: Jordan Cawsey															START TIME: 8:00    END TIME: 16:00																																																																																																																																																																								
<b>BITS</b> Bit Number: 1A    Size: 279 IADC Code:    Manufacturer: Sicotte    Type: SS516GB    Serial No: 12629 JMS: 14.3 14.3 14.3    Depth Out (m): 14.3 14.3 14.3    Depth In (m): 6.60    Total Drilled (m): 236.40    Hrs Run Today: 4.00    Cumulative Hrs Run: 4.00 Entry Date: 16-Dec-2016 <b>CUTTING STRUCTURE</b> TO:    MDC:    LDC:    BSG:    Weight of DC:    Weight of String:    Total: 243.00 <b>METRES DRILLED</b> From: To: D-R-C RPM WOB															<b>DRILLING ASSEMBLY</b> No Component OD ID Length 1 279mm PDC Bit 279 1 0.27 1 Mud Motor 203 1 9.14 1 X/O 165 71 0.80 1 UBHO Sub 165 63 0.75 2 NM Slick 155 71 17.72 1 Jars 165 58 5.87 6 6 1/2" Drill Collar 167 59 56.54 1 X/O SUB 165 57 0.79 16 4" CDS40 HWDP 101 65 115.76 <b>MUD RECORD</b> Mud Type: Water    Other:    Time:    Density:    Funnel Viscosity:    Fluid Loss:    pH:    Location Of Sample:    Depth:    PVT:    Circulation:    Pump # Type Liner Size SPM Pressure Hrs Run 1 152 105 17000 8.00 2 152 105 17000 8.00 <b>REDUCED PUMP SPEED</b> Pump # Pressure Strokes/min Depth:    Hole Drag Up Down    Torque At Bottom    Fill On Bottom										<b>DEVIATION SURVEYS</b> Time Depth Deviation Direction Type <b>SOLIDS CONTROL</b> Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density <b>MUD MATERIALS ADDED</b> Product Amount Type <b>BOILER</b> BoilerNo HoursRun pH StackTemp <b>SAFETY</b> Safety Topic MEHL MACP Handle directional tools. 40 0										<b>TIME LOG</b> From To Elapsed Code Details Of Operations In Sequence & Remarks Remarks:																																																																																																																																																				
TOUR 3    SIGNATURE OF DRILLER: Stefan Polny															START TIME: 16:00    END TIME: 24:00																																																																																																																																																																								
<b>BITS</b> Bit Number: 1A    Size: 279 IADC Code:    Manufacturer: Sicotte    Type: SS516GB    Serial No: 12629 JMS: 14.3 14.3 14.3    Depth Out (m): 14.3 14.3 14.3    Depth In (m): 460.00    Total Drilled (m): 453.40    Hrs Run Today: 4.00    Cumulative Hrs Run: 8.00 Entry Date: 16-Dec-2016 <b>CUTTING STRUCTURE</b> TO:    MDC:    LDC:    BSG:    Weight of DC:    Weight of String:    Total: 460.00 <b>METRES DRILLED</b> From: To: D-R-C RPM WOB															<b>DRILLING ASSEMBLY</b> No Component OD ID Length 1 279mm PDC Bit 279 1 0.27 1 Mud Motor 203 1 9.14 1 X/O 165 71 0.80 1 UBHO Sub 165 63 0.75 2 NM Slick 155 71 17.72 1 Jars 165 58 5.87 6 6 1/2" Drill Collar 167 59 56.54 1 X/O SUB 165 57 0.79 40 4" CDS40 HWDP 101 65 239.20 <b>MUD RECORD</b> Mud Type: Water    Other:    Time:    Density:    Funnel Viscosity:    Fluid Loss:    pH:    Location Of Sample:    Depth:    PVT:    Circulation:    Pump # Type Liner Size SPM Pressure Hrs Run 1 152 105 18000 8.00 2 152 105 18000 8.00 <b>REDUCED PUMP SPEED</b> Pump # Pressure Strokes/min Depth:    Hole Drag Up Down    Torque At Bottom    Fill On Bottom										<b>DEVIATION SURVEYS</b> Time Depth Deviation Direction Type 21:45 369.26 0.30 192 DIRECTIONAL 21:45 397.65 0.20 220.3 DIRECTIONAL 22:00 426.18 0.50 227.4 DIRECTIONAL 22:15 446.00 0.50 250.7 DIRECTIONAL <b>SOLIDS CONTROL</b> Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density <b>MUD MATERIALS ADDED</b> Product Amount Type <b>BOILER</b> BoilerNo HoursRun pH StackTemp <b>SAFETY</b> Safety Topic MEHL MACP V-door connections. 67 0										<b>TIME LOG</b> From To Elapsed Code Details Of Operations In Sequence & Remarks Remarks:																																																																																																																																																				



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FRONT PAGE SUMMARY										Tour Sheet Serial Number		Vendor Software Version		Year		Month		Day		DAILY CHECKS										OP RM																																																																																																																																				
32309 ARCREES HZ PARKLAND H12-07-081-16										BEAV15AC 20170302 1A		RMS 2016.6.14.37064		2017		03		02		(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) HOS Signs Posted if Required (4) Well Licence & Stick Diagram Posted (5) Flare Lines Sealed (6) BOP Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines (8) HOS Signs Posted if Required (9) HOS Signs Posted if Required (10) HOS Signs Posted if Required (11) HOS Signs Posted if Required (12) HOS Signs Posted if Required (13) HOS Signs Posted if Required (14) HOS Signs Posted if Required (15) HOS Signs Posted if Required (16) HOS Signs Posted if Required (17) HOS Signs Posted if Required (18) HOS Signs Posted if Required (19) HOS Signs Posted if Required (20) HOS Signs Posted if Required (21) HOS Signs Posted if Required (22) HOS Signs Posted if Required (23) HOS Signs Posted if Required (24) HOS Signs Posted if Required (25) HOS Signs Posted if Required										 																																																																																																																																				
Contractor: <b>Beaver Drilling Ltd.</b>										Pro: <b>BC</b>		Lic Type: <b>DLS</b>		Unique Well Id: <b>100/01-07-081-16W6/00</b>		Rig No: <b>15AC</b>		Well Type: <b>HORIZ</b>		Re Entry: <input type="checkbox"/>																																																																																																																																														
Operator: <b>ARC Resources Ltd.</b>										Signature of Contractor's Rig Manager: <b>Shaun Low</b>		Signature of Operator's Representative: <b>Dan Meyer</b>		Spot Date Time: <b>16-Dec-2016</b>		Rig Release Date Time: <b>09:00</b>																																																																																																																																																		
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Code</th> <th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th><th>12</th><th>13</th><th>14</th><th>15</th><th>16</th><th>17</th><th>18</th><th>19</th><th>20</th><th>21</th><th>22</th><th>23</th><th>24</th><th>25</th> <th>Hourly Billing</th> <th>Top Fuel</th> </tr> </thead> <tbody> <tr> <td rowspan="4">HOURS</td> <td>Tour 1</td> <td>5.75</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>1.00</td><td>0.75</td><td></td><td></td><td></td> <td>8.00</td> <td>14595</td> </tr> <tr> <td>Tour 2</td> <td>5.75</td><td></td><td></td><td></td><td>0.75</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></td><td>0.75</td><td>0.25</td><td></td><td></td><td></td> <td>8.00</td> <td>6850</td> </tr> <tr> <td>Tour 3</td> <td></td><td></td><td></td><td></td><td></td><td>4.25</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>3.25</td><td>0.50</td><td></td><td></td><td></td> <td>8.00</td> <td></td> </tr> <tr> <td>TOTAL</td> <td>11.50</td><td></td><td></td><td></td><td>0.75</td><td>4.25</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>5.00</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	Hourly Billing	Top Fuel	HOURS	Tour 1	5.75								0.50											1.00	0.75				8.00	14595	Tour 2	5.75				0.75			0.50												0.75	0.25				8.00	6850	Tour 3						4.25														3.25	0.50				8.00		TOTAL	11.50				0.75	4.25			1.00											5.00	1.50				24.00	
Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	Hourly Billing	Top Fuel																																																																																																																																							
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	TOTAL	11.50				0.75	4.25			1.00											5.00	1.50				24.00																																																																																																																																								
TOUR <b>1</b> SIGNATURE OF DRILLER <b>Justin Holt</b>																				START TIME <b>0:00</b>		END TIME <b>8:00</b>																																																																																																																																												
<b>BITS</b> Bit Number: <b>2</b> Size: <b>200</b> IADC Code: <b>Baker Hughes</b> Manufacturer: <b>T507F</b> Type: <b>7162571</b> Serial No: <b>7.94 7.94 7.94</b> JMS: <b>7.94 7.94 7.94</b> Depth Out (m): <b>460.00</b> Depth In (m): <b>1079.00</b> Total Drilled (m): <b>6.00</b> Hrs Run Today: <b>15.75</b> Cumulative Hrs Run: <b>01-Mar-2017</b> Entry Date: <b>01-Mar-2017</b>										<b>DRILLING ASSEMBLY</b> No. Component OD ID Length 1 200mm PDC Bit 200 1 0.26 1 167mm Mud Motor 167 1 8.28 1 Slick NMDC 167 72 9.27 1 165mm Gap Sub 164 79 1.72 2 Slick NMDC 167 72 18.17 1 4H90 x 4.5XH X/O 167 63 0.73 6 6 1/2" Drill Collar 167 59 96.94 1 4H90 X DS40 X/O 163 58 0.79 2 4" CDS40 HWDP 101 65 18.87 1 Drilling Jars 130 58 6.18 46 4" CDS40 HWDP 101 65 46.11 34 Drill Pipe Stands 990.41 0 Drill Pipe Singles 0.00 Kelly Down: <b>-8.31</b> Total: <b>1539.00</b> Weight of DC: <b>31.00</b> Weight of String: <b>66.00</b>										<b>MUD RECORD</b> Mud Type: <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Other Time: 02:30 04:00 Density: 1130 1130 Funnel Viscosity: 31 31 Fluid Loss: 10 10 pH: 10 10 Location Of Sample: Trough Trough Depth: 1289.00 1393.00 PVT: 41.89 38 Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 PARALLEL 127 91 24500 8.00 2 PARALLEL 127 91 24500 8.00										<b>DEVIATION SURVEYS</b> Time Depth Deviation Direction Type 01:00 1211.71 0.80 86.1 DIRECTIONAL 02:00 1240.82 1.10 78.6 DIRECTIONAL 02:30 1269.93 1.10 62.7 DIRECTIONAL 03:00 1299.05 0.90 102 DIRECTIONAL 03:30 1328.16 0.50 143 DIRECTIONAL 04:00 1357.26 0.60 186 DIRECTIONAL <b>SOLIDS CONTROL</b> Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density Enerscav C 8.00 1130 1120 1530 Lime Hydrated 8.00 1130 1115 1530 <b>MUD MATERIALS ADDED</b> Product Amount Type Sawdust 32 sxs Enerhib C 1 bbl Enerscav C 1 bbl Lime Hydrated 5 sxs EnerFiber 4 sxs Enerscav F 1802 2 sxs Brine 24 m3 Limestone 0 grade 17 sxs Enerscav Regular 1 sxs										<b>TIME LOG</b> From To Elapsed Code Details Of Operations In Sequence & Remarks 0:00 0:45 0:75 2 Drill 200mm vertical section of main hole from 1200m to 1226m MD. Pump Rate - 2.0 m3/min, WOB - 13 kdaN, Rotary - 70 RPM, Pump Pressure - 26,000 kPa, Torque - 8,500 ft/lbs. Diff Pressure - 5,000 kPa. 0:45 1:15 0:50 7 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. 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 Luke Hardy & Chris Baehl. 1:15 1:30 0:25 21A H2S man down drill prior to drilling into the Baldonnell formation. Simulated a hard shut in. Crew evacuated to upwind muster area. Well secured in 90 seconds. Practiced rescue routes. Discussed stick diagram, kick warning signs / causes, shut in & flowcheck procedures, ERP & emergency contact list. STARS site #3187. Verified BOP & choke manifold valve alignment. Functioned both chokes & flare igniter. 1:30 6:30 5:00 2 Drill 200mm vertical section of main hole from 1226m to 1539m MD. Pump Rate - 2.0 m3/min, WOB - 13 kdaN, Rotary - 70 RPM, Pump Pressure - 24,500 kPa, Torque - 8,000 ft/lbs. Diff Pressure - 4,500 kPa. 6:30 7:30 1:00 20A Accumulated EM Survey & connection time. 7:30 8:00 0:50 21 Crew hand-over meeting. Discuss hazard id's & daily events.																																																																																																																										
TOUR <b>2</b> SIGNATURE OF DRILLER <b>Jordan Cawsey</b>																				START TIME <b>8:00</b>		END TIME <b>16:00</b>																																																																																																																																												
<b>BITS</b> Bit Number: <b>2</b> Size: <b>200</b> IADC Code: <b>Baker Hughes</b> Manufacturer: <b>T507F</b> Type: <b>7162571</b> Serial No: <b>7.94 7.94 7.94</b> JMS: <b>7.94 7.94 7.94</b> Depth Out (m): <b>460.00</b> Depth In (m): <b>1242.00</b> Total Drilled (m): <b>5.75</b> Hrs Run Today: <b>21.50</b> Cumulative Hrs Run: <b>01-Mar-2017</b> Entry Date: <b>01-Mar-2017</b>										<b>DRILLING ASSEMBLY</b> No. Component OD ID Length 1 200mm PDC Bit 200 1 0.26 1 167mm Mud Motor 167 1 8.28 1 Slick NMDC 167 72 9.27 1 165mm Gap Sub 164 79 1.72 2 Slick NMDC 167 72 18.17 1 4H90 x 4.5XH X/O 167 63 0.73 6 6 1/2" Drill Collar 167 59 96.94 1 4H90 X DS40 X/O 163 58 0.79 2 4" CDS40 HWDP 101 65 18.87 1 Drilling Jars 130 58 6.18 46 4" CDS40 HWDP 101 65 46.11 40 Drill Pipe Stands 1164.99 0 Drill Pipe Singles 0.00 Kelly Down: <b>-19.89</b> Total: <b>1702.00</b> Weight of DC: <b>29.00</b> Weight of String: <b>72.00</b>										<b>MUD RECORD</b> Mud Type: <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Other Time: 08:30 11:00 Density: 1130 1130 Funnel Viscosity: 31 31 Fluid Loss: 10 10 pH: 10 10 Location Of Sample: Suction Suction Depth: 1552.00 1615.00 PVT: 43.84 33.58 Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 COVERED 127 105 29000 8.00 2 COVERED 127 105 29000 8.00										<b>DEVIATION SURVEYS</b> Time Depth Deviation Direction Type 08:15 1531.91 0.30 235 DIRECTIONAL 09:30 1561.02 0.20 156.7 DIRECTIONAL 10:45 1590.12 0.40 72.6 DIRECTIONAL 11:45 1619.18 0.20 354.8 DIRECTIONAL 13:00 1648.27 1.20 40.1 DIRECTIONAL 14:30 1677.39 0.90 38.5 DIRECTIONAL <b>SOLIDS CONTROL</b> Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density Enerscav C 8.00 1130 1125 1520 Lime Hydrated 8.00 1130 1125 1520 <b>MUD MATERIALS ADDED</b> Product Amount Type Sawdust 32 sxs EnerFiber 20 sxs EnerPac Regular 3 sxs Enerhib C 1 bbl Enerscav C 1 bbl Lime Hydrated 10 sxs Brine 21 m3 water 9 m3 Enerscav F 1802 2 sxs										<b>TIME LOG</b> From To Elapsed Code Details Of Operations In Sequence & Remarks 8:00 8:15 0:25 21A H2S man down drill. Simulated a hard shut in. Crew evacuated to upwind muster area. Well secured in 80 seconds. Practiced rescue routes. Discussed stick diagram, kick warning signs / causes, shut in & flowcheck procedures, ERP & emergency contact list. STARS site #3187. Verified BOP & choke manifold valve alignment. Functioned both chokes & flare igniter. 8:15 13:45 5:50 2 Drill 200mm vertical section of main hole from 1539m to 1692m MD. Pump Rate - 2.2 m3/min, WOB - 16 kdaN, Rotary - 70 RPM, Pump Pressure - 29,000 kPa, Torque - 8,000 ft/lbs. Diff Pressure - 4,500 kPa. 13:45 14:15 0:50 7 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. Functioned Upper 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 Shaun Low & Dan Meyer. 14:15 14:30 0:25 2 Drill 200mm vertical section of main hole from 1692m to 1702m MD (vertical section TD). Pump Rate - 2.2 m3/min, WOB - 16 kdaN, Rotary - 70 RPM, Pump Pressure - 28,000 kPa, Torque - 2,000 ft/lbs. Diff Pressure - 3,500 kPa. 14:30 15:15 0:75 20A Accumulated EM Survey & connection time. 15:15 16:00 0:75 5 Reciprocate drill string & circulate hole clean prior to trip out. Pump Rate - 2.2m3/min, Rotary - 70 RPM. Pump Grout Sweep and 3.5m3 of 1315kg/m3 weighted																																																																																																																										
TOUR <b>3</b> SIGNATURE OF DRILLER <b>Justin Holt</b>																				START TIME <b>16:00</b>		END TIME <b>24:00</b>																																																																																																																																												
<b>BITS</b> Bit Number: <b>3</b> Size: <b>200</b> IADC Code: <b>Halliburton</b> Manufacturer: <b>MMD64M</b> Type: <b>12789328</b> Serial No: <b>7.9 7.9 8.7 8.7</b> JMS: <b>7.9 7.9 8.7 8.7</b> Depth Out (m): <b>1702.00</b> Depth In (m): <b>0.00</b> Total Drilled (m): <b>0.00</b> Hrs Run Today: <b>0.00</b> Cumulative Hrs Run: <b>02-Mar-2017</b> Entry Date: <b>02-Mar-2017</b>										<b>DRILLING ASSEMBLY</b> No. Component OD ID Length 1 200mm PDC Bit 200 1 0.25 1 Mud Motor 167 1 8.68 1 NM Pony 162 72 1.42 1 NM Flex Monel 162 72 9.40 1 Gap sub 164 79 1.72 1 UBHO Sub 165 65 0.80 3 NM Flex 164 72 27.34 1 CDS40 x 4.5HP X/O 163 60 0.81 2 4" CDS40 HWDP 101 65 18.87 1 Drilling Jars 130 58 4.98 46 4" CDS40 HWDP 101 65 46.11 41 Drill Pipe Stands 1194.08 0 Drill Pipe Singles 0.00 Kelly Down: <b>-3.03</b> Total: <b>1702.00</b> Weight of DC: <b>0.00</b> Weight of String: <b>72.00</b>										<b>MUD RECORD</b> Mud Type: <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Other Time: 17:45 20:45 Density: 1155 1155 Funnel Viscosity: 31 31 Fluid Loss: 10 10 pH: 10 10 Location Of Sample: Suction#2 Suction#2 Depth: 1702.00 1702.00 PVT: 32.53 27.5 Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 COVERED 127 1 0 0.00 2 COVERED 127 1 0 0.00										<b>DEVIATION SURVEYS</b> Time Depth Deviation Direction Type 16:00 19:00 3:00 6B Review JSA. Trip out of the hole to change BHA @ 40m/min from 1702m to 357m MD. Flowcheck @ 1682m, 1613m, 828m and 357m MD. 19:00 19:30 0:50 21D Crew hand-over meeting. Discuss hazard id's & daily events. Review JSA prior to continuing to trip out. 19:30 20:45 1:25 6B Trip out of the hole to change BHA @ 40m/min from 357m to 38m MD. 20:45 24:00 3:25 20D Handle New Discovery directional tools; Break & lay down 1- 4H90 x 4 1/2XH X/O. Break 1- Gap sub, disassemble EM tool. Rack in derrick 1- stand of NM Slick Monels. Break PDC Bit #2, lay down 1.5 degree Mud Motor. Continuously Monitor well white out of the hole. Trip Record; Measured 12.31m3, Calculated 8.67m3, Difference +3.64m3. Flow check out of the hole. Function Blind Rams, 6 seconds to close. Pick up New Mud Motor, set @ 2.12 degrees. Pick up 1- NM Pony, 1- NM Flex Monel & Make up. Scribe tools & make up PDC Bit #3. Pick up 1- UBHO sub, 1- Gap sub, build EM tool, complete offset & program EM tool. Make up 1- stand of NM Flex Monels, break stand, install MWD tool & verify landing in Muleshoe. Make up CDS40 x 4 1/2XH X/O.										<b>TIME LOG</b> From To Elapsed Code Details Of Operations In Sequence & Remarks 16:00 19:00 3:00 6B Review JSA. Trip out of the hole to change BHA @ 40m/min from 1702m to 357m MD. Flowcheck @ 1682m, 1613m, 828m and 357m MD. 19:00 19:30 0:50 21D Crew hand-over meeting. Discuss hazard id's & daily events. Review JSA prior to continuing to trip out. 19:30 20:45 1:25 6B Trip out of the hole to change BHA @ 40m/min from 357m to 38m MD. 20:45 24:00 3:25 20D Handle New Discovery directional tools; Break & lay down 1- 4H90 x 4 1/2XH X/O. Break 1- Gap sub, disassemble EM tool. Rack in derrick 1- stand of NM Slick Monels. Break PDC Bit #2, lay down 1.5 degree Mud Motor. Continuously Monitor well white out of the hole. Trip Record; Measured 12.31m3, Calculated 8.67m3, Difference +3.64m3. Flow check out of the hole. Function Blind Rams, 6 seconds to close. Pick up New Mud Motor, set @ 2.12 degrees. Pick up 1- NM Pony, 1- NM Flex Monel & Make up. Scribe tools & make up PDC Bit #3. Pick up 1- UBHO sub, 1- Gap sub, build EM tool, complete offset & program EM tool. Make up 1- stand of NM Flex Monels, break stand, install MWD tool & verify landing in Muleshoe. Make up CDS40 x 4 1/2XH X/O.																																																																																																																										
TOUR <b>4</b> SIGNATURE OF DRILLER <b>Justin Holt</b>																				START TIME <b>24:00</b>		END TIME <b>30:00</b>																																																																																																																																												



TOUR	1	SIGNATURE OF DRILLER	Justin Holt	START TIME	0:00	END TIME	8:00
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BITS						DRILLING ASSEMBLY							MUD RECORD								DEVIATION SURVEYS							TIME LOG															
Bit Number	<b>3</b>					No.	Component	ID	ID Length	Mud Type	Water	<input checked="" type="checkbox"/> <input type="checkbox"/>							Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details Of Operations In Sequence & Remarks															
Size	<b>200</b>					1	200mm PDC Bit	200	1	8.68								05:00	1690.63	1.20	46.9	DIRECTIONAL	0:00	1:30	1.50	6A	Review JSA. Trip in 1 stand off CDS40 HWDP. Pick & make up Drilling Jars. Trip in the hole with PDC Bit #3 @ 40m/min from 85m to 481m MD. Fill Pipe & flow check @ 481m MD.																
IADC Code						1	Mud Motor	167	1	0.25	Time	05:30	06:00							06:15	1705.50	1.80	90.2	DIRECTIONAL																			
Manufacturer	<b>Halliburton</b>					1	NM Pony	162	72	1.42	Density	1150	1150												1:30	2:00	0.50	7	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. Functioned Annular Preventer, 16 seconds to conduct. 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 & Chris Baehli.														
Type	<b>MMD64M</b>					1	NM Flex Monel	162	72	9.40	Funnel Viscosity	31	31																														
Serial No	<b>J2789328</b>					1	Gap sub	164	79	1.72	Fluid Loss																																
Tests	<b>7.9 8.7 8.7</b>					1	UBHO Sub	165	65	0.81	pH	10	10																														
	<b>7.9 8.7</b>					1	NM Flex	164	72	27.30	Location Of Sample	Shakers	Shakers																														
						2	CDS48 x 4.5DHP STD	163	60	0.81	Depth	1708.00	1713.00																														
Depth Out (m)	<b>1702.00</b>					46	* CDS40 HWDP	101	65	49.87	PVT	33.54	33.07																														
Depth In (m)	<b>31.00</b>										Circulation																																
Total Drilled (m)	<b>2.00</b>										Pump #	Type	Liner Size	SPM	Pressure	His Run																											
Remains Hrs Today	<b>2.00</b>										1	SINGLE	127	85	24500	3.00																											
Estimated Hrs Run	<b>2.00</b>										2	SINGLE	127	85	24500	3.00																											
Entry Date	<b>02-Mar-2017</b>					42	Drill Pipe	Standards	1223.20																																		
CUTTING STRUCTURE						0	Drill Pipe	Singles	0.00	Remarks																																	
TG	WGP					Kelly Down	0.00																																				
TO	OD					Total	1734.15																																				
MDC	Reason Pore					Weight of OC	26.00																																				
LOC	Total Run (in)					Weight of String	69.00																																				
BIG	15.50															REDUCED PUMP SPEED																											
METRES DRILLED						HOLE CONDITION																																					
From	To	D-R-C	RPM	WOB	Hole Drag	Up	2	Down	3	Pump #	Pressure	Strokes/min	Depth																														
1782.00	1733.80	DRILL	35	15	Torque At Bottom	10000				1	4772	@</																															

[illegible][illegible]





FRONT PAGE SUMMARY										Tour Sheet Number		Vendor Software Version		Year		Month		Day		DAILY CHECKS										OP RM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
32309 ARCREES HZ PARKLAND H12-07-081-16										BEAV15AC 20170304 1A		RMS 2016.14.37064		2017		03		04		(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) HOS Signs Posted if Required (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) HOS Signs 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 Saver Checked (12) Master Valve Checked										 																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Contractor <b>Beaver Drilling Ltd.</b>										Prov <b>BC</b>		Lic Type <b>DLS</b>		Unique Well Id <b>100/01-07-081-16W6/00</b>		Rig No <b>15AC</b>		Well Type <b>HORIZ</b>		Re Entry <input type="checkbox"/>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Operator's REP <b>ARC Resources Ltd.</b>										Contractor's License No <b>0K47</b>		Spud Date Time <b>16-Dec-2016</b>		Rig Release Date Time <b>09:00</b>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Signature of Operator's Representative <b>Dan Meyer</b>										Signature of Contractor's Rig Manager <b>Shaun Low</b>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Code</th> <th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th><th>12</th><th>13</th><th>14</th><th>15</th><th>16</th><th>17</th><th>18</th><th>19</th><th>20</th><th>21</th><th>22</th><th>23</th><th>24</th><th>25</th> </tr> </thead> <tbody> <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 &amp; 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>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> </tr> <tr> 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Pump Rate - 1.27 m3/min, WOB - 16 kdaN, Rotary - 35 RPM, Pump Pressure - 19,000 kPa, Torque - 11,000 ft/lbs, Diff Pressure - 2,500 kPa. Sliding Parameters; WOB - 15 kdaN, Diff Pressure - 1,200 kPa.         </td> </tr> <tr> <td>Hrs Run Today</td><td>20.00</td> <td>46</td><td>4" CD540 HWDP</td><td>101</td><td>65</td><td>0.81</td> <td></td><td></td><td></td> <td></td><td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Cumulative Hrs Run</td><td>02-Mar-2017</td> <td>52</td><td>Drill Pipe</td><td>Stand</td><td>1514.55</td> <td></td><td></td><td></td> <td></td><td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Entry Date</td><td>02-Mar-2017</td> <td>0</td><td>Drill Pipe</td><td>Singles</td><td>0.00</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> </tr> <tr> <td colspan="2">CUTTING STRUCTURE</td> <td colspan="2">Kelly Down</td><td colspan="2">-10.50</td> <td colspan="2">Remarks</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="6" rowspan="4">           Boiler #2 Fuel at 05:00hrs = 2556 Litres            Hazard ID: Noticed the "overhead power lines" sign had been blown over by the wind. / Picked the sign up and used a bag of sawdust as an anchor to help hold it in place.         </td> </tr> <tr> <td colspan="2">MDC</td> <td colspan="2">Total</td> <td colspan="2">2015.00</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">LOC</td> <td colspan="2">Weight of DC</td> <td colspan="2">31.00</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">BAG</td> <td colspan="2">Weight of String</td> <td colspan="2">72.00</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">METRES DRILLED</td> <td colspan="2">HOLE CONDITION</td> <td colspan="2">REDUCED PUMP SPEED</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="6" rowspan="4">           SAFETY            Safety Topic            MEHL            MACP         </td> </tr> <tr> <td colspan="2">From To D-R-C RPM WOB</td> <td colspan="2">Up 4 Down 4</td> <td colspan="2">Pump # Pressure Strokes/min Depth</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">1955.00 2015.00 DRILL 35 16</td> <td colspan="2">Torque At Bottom 11000</td> <td colspan="2">2 4786 60 1965.00</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td colspan="2">Fill On Bottom 0.00</td> <td colspan="2">2 127 85 24500 5.00</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="26">         TOUR <b>2</b> SIGNATURE OF DRILLER <b>Jordan Cawsey</b> START TIME <b>8:00</b> END TIME <b>16:00</b> </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>Bit Number</td><td>3</td> <td>No</td><td>Component</td><td>OD</td><td>ID</td><td>Length</td> <td>Mud Type</td><td>Water</td><td>Oil</td> <td>Time</td><td>Depth</td><td>Deviation</td><td>Direction</td><td>Type</td> <td>From</td><td>To</td><td>Elapsed</td><td>Code</td> <td colspan="7">Details Of Operations In Sequence &amp; Remarks</td> </tr> <tr> <td>Size</td><td>200</td> <td>1</td><td>200mm PDC Bit</td><td>200</td><td>1</td><td>0.25</td> <td></td><td></td><td></td> <td>09:15</td><td>2011.10</td><td>65.20</td><td>128</td><td>DIRECTIONAL</td> <td>8:00</td><td>12:30</td><td>4:50</td><td>2</td> <td colspan="7" rowspan="4">           Directional drill 200mm build section of main hole from 2015m to 2054m MD. Pump Rate - 2.0 m3/min, WOB - 16 kdaN, Rotary - 35 RPM, Pump Pressure - 34,000 kPa, Torque - 12,000 ft/lbs, Diff Pressure - 3,200 kPa. 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Pump Rate - 1.6 m3/min, WOB - 16 kdaN, Rotary - 35 RPM, Pump Pressure - 28,000 kPa, Torque - 14,000 ft/lbs, Diff Pressure - 3,600 kPa. 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Pump Rate - 1.6 m3/min, WOB - 16 kdaN, Rotary - 35 RPM, Pump Pressure - 25,250 kPa, Torque - 11,000 ft/lbs, Diff Pressure - 2,500 kPa. Sliding Parameters; WOB - 20 kdaN, Diff Pressure - 1,800 kPa.							IADC Code		1	Mud Motor	167	1	8.68	Time	01:15	03:15	02:30	1967.29	52.60	128	DIRECTIONAL					Manufacturer	Halliburton	1	NM Pony	162	72	1.42	Density	1160	1160	04:30	1981.90	56.70	126.8	DIRECTIONAL					Type	MMD64M	1	NM Flex Monel	162	72	9.40	Funnel Viscosity	31	31										Serial No	12789328	1	Gap sub	164	79	1.72	Fluid Loss												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. Functioned Upper Pipe Ramps, 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 & Chris Baghl.							Jct	7.9 7.9 8.7 8.7	1	UBHO Sub	165	65	0.80	pH	10	10										Depth Out (m)	1702.00	1	3NM Flex	164	72	27.8	Location Of Sample	Shakers	Shakers										Depth In (m)	313.00	1	CD548B x 4.50MP X20	163	60	0.81	Depth	1966.00	1988.00										Total Drilled (m)	5.50	2	4" CD540 HWDP	101	65	18.87	PVT	27.17	19.32										Directional drill 200mm build section of main hole from 1965m to 2015m MD. Pump Rate - 1.27 m3/min, WOB - 16 kdaN, Rotary - 35 RPM, Pump Pressure - 19,000 kPa, Torque - 11,000 ft/lbs, Diff Pressure - 2,500 kPa. Sliding Parameters; WOB - 15 kdaN, Diff Pressure - 1,200 kPa.							Hrs Run Today	20.00	46	4" CD540 HWDP	101	65	0.81													Cumulative Hrs Run	02-Mar-2017	52	Drill Pipe	Stand	1514.55													Entry Date	02-Mar-2017	0	Drill Pipe	Singles	0.00													CUTTING STRUCTURE		Kelly Down		-10.50		Remarks														Boiler #2 Fuel at 05:00hrs = 2556 Litres Hazard ID: Noticed the "overhead power lines" sign had been blown over by the wind. / Picked the sign up and used a bag of sawdust as an anchor to help hold it in place.						MDC		Total		2015.00																LOC		Weight of DC		31.00																BAG		Weight of String		72.00																METRES DRILLED		HOLE CONDITION		REDUCED PUMP SPEED																SAFETY Safety Topic MEHL MACP						From To D-R-C RPM WOB		Up 4 Down 4		Pump # Pressure Strokes/min Depth																1955.00 2015.00 DRILL 35 16		Torque At Bottom 11000		2 4786 60 1965.00																		Fill On Bottom 0.00		2 127 85 24500 5.00																TOUR <b>2</b> SIGNATURE OF DRILLER <b>Jordan Cawsey</b> START TIME <b>8:00</b> END TIME <b>16:00</b>																										<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">BITS</th> <th colspan="2">DRILLING ASSEMBLY</th> <th colspan="2">MUD RECORD</th> <th colspan="2">DEVIATION SURVEYS</th> <th colspan="2">TIME LOG</th> </tr> </thead> <tbody> <tr> <td>Bit Number</td><td>3</td> <td>No</td><td>Component</td><td>OD</td><td>ID</td><td>Length</td> <td>Mud Type</td><td>Water</td><td>Oil</td> <td>Time</td><td>Depth</td><td>Deviation</td><td>Direction</td><td>Type</td> <td>From</td><td>To</td><td>Elapsed</td><td>Code</td> <td colspan="7">Details Of Operations In Sequence &amp; Remarks</td> </tr> <tr> <td>Size</td><td>200</td> <td>1</td><td>200mm PDC Bit</td><td>200</td><td>1</td><td>0.25</td> <td></td><td></td><td></td> <td>09:15</td><td>2011.10</td><td>65.20</td><td>128</td><td>DIRECTIONAL</td> <td>8:00</td><td>12:30</td><td>4:50</td><td>2</td> <td colspan="7" rowspan="4">           Directional drill 200mm build section of main hole from 2015m to 2054m MD. 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BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Size	200	1	200mm PDC Bit	200	1	0.25				00:45	1952.67	53.90	128.4	DIRECTIONAL	0:00	0:45	0:75	2	Directional drill 200mm build section of main hole from 1955m to 1965m MD. Pump Rate - 1.6 m3/min, WOB - 16 kdaN, Rotary - 35 RPM, Pump Pressure - 25,250 kPa, Torque - 11,000 ft/lbs, Diff Pressure - 2,500 kPa. Sliding Parameters; WOB - 20 kdaN, Diff Pressure - 1,800 kPa.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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Serial No	12789328	1	Gap sub	164	79	1.72	Fluid Loss												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. Functioned Upper Pipe Ramps, 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 & Chris Baghl.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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Total Drilled (m)	5.50	2	4" CD540 HWDP	101	65	18.87	PVT	27.17	19.32										Directional drill 200mm build section of main hole from 1965m to 2015m MD. Pump Rate - 1.27 m3/min, WOB - 16 kdaN, Rotary - 35 RPM, Pump Pressure - 19,000 kPa, Torque - 11,000 ft/lbs, Diff Pressure - 2,500 kPa. Sliding Parameters; WOB - 15 kdaN, Diff Pressure - 1,200 kPa.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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CUTTING STRUCTURE		Kelly Down		-10.50		Remarks														Boiler #2 Fuel at 05:00hrs = 2556 Litres Hazard ID: Noticed the "overhead power lines" sign had been blown over by the wind. / Picked the sign up and used a bag of sawdust as an anchor to help hold it in place.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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TOUR <b>2</b> SIGNATURE OF DRILLER <b>Jordan Cawsey</b> START TIME <b>8:00</b> END TIME <b>16:00</b>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">BITS</th> <th colspan="2">DRILLING ASSEMBLY</th> <th colspan="2">MUD RECORD</th> <th colspan="2">DEVIATION SURVEYS</th> <th colspan="2">TIME LOG</th> </tr> </thead> <tbody> <tr> <td>Bit Number</td><td>3</td> <td>No</td><td>Component</td><td>OD</td><td>ID</td><td>Length</td> <td>Mud Type</td><td>Water</td><td>Oil</td> <td>Time</td><td>Depth</td><td>Deviation</td><td>Direction</td><td>Type</td> <td>From</td><td>To</td><td>Elapsed</td><td>Code</td> <td colspan="7">Details Of Operations In Sequence &amp; Remarks</td> </tr> <tr> <td>Size</td><td>200</td> <td>1</td><td>200mm PDC Bit</td><td>200</td><td>1</td><td>0.25</td> <td></td><td></td><td></td> <td>09:15</td><td>2011.10</td><td>65.20</td><td>128</td><td>DIRECTIONAL</td> <td>8:00</td><td>12:30</td><td>4:50</td><td>2</td> <td colspan="7" rowspan="4">           Directional drill 200mm build section of main hole from 2015m to 2054m MD. Pump Rate - 2.0 m3/min, WOB - 16 kdaN, Rotary - 35 RPM, Pump Pressure - 34,000 kPa, Torque - 12,000 ft/lbs, Diff Pressure - 3,200 kPa. Sliding Parameters; WOB - 15 kdaN, Diff Pressure - 1,600 kPa.         </td> </tr> <tr> <td>IADC Code</td><td></td> <td>1</td><td>Mud Motor</td><td>167</td><td>1</td><td>8.68</td> <td>Time</td><td>08:00</td><td>10:45</td> <td>10:30</td><td>2025.69</td><td>68.30</td><td>128</td><td>DIRECTIONAL</td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Manufacturer</td><td>Halliburton</td> <td>1</td><td>NM Pony</td><td>162</td><td>72</td><td>1.42</td> <td>Density</td><td>1160</td><td>1155</td> <td>13:15</td><td>2040.28</td><td>71.90</td><td>127.6</td><td>DIRECTIONAL</td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Type</td><td>MMD64M</td> <td>1</td><td>NM Flex Monel</td><td>162</td><td>72</td><td>9.40</td> <td>Funnel Viscosity</td><td>30</td><td>30</td> <td>15:15</td><td>2054.87</td><td>76.30</td><td>127</td><td>DIRECTIONAL</td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Serial No</td><td>12789328</td> <td>1</td><td>Gap sub</td><td>164</td><td>79</td><td>1.72</td> <td>Fluid Loss</td><td></td><td></td> <td></td><td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td colspan="7" rowspan="4">           Rig &amp; Top Drive Service. Functioned Rig Smart crown saver, high &amp; low travel stops / limits, MCWS &amp; ZMS. Serviced hydraulic I-BOP &amp; functioned lower manual I-BOP. Visual inspection &amp; service of PS-21 slips &amp; inserts. Functioned Annular Preventer, 16 seconds to close. Conducted level 1 visual inspection of Drawworks, PipeCat, Mast &amp; all over-head equipment. Completed pre-shift fall protection equipment visual inspection. Visual inspection of BOP &amp; valves completed by Shaun Low &amp; Dan Meyer.         </td> </tr> <tr> <td>Jct</td><td>7.9 7.9 8.7 8.7</td> <td>1</td><td>UBHO Sub</td><td>165</td><td>65</td><td>0.80</td> <td>pH</td><td>10</td><td>10.5</td> <td></td><td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Depth Out (m)</td><td>1702.00</td> <td>1</td><td>3NM Flex</td><td>164</td><td>72</td><td>27.8</td> <td>Location Of Sample</td><td>Suction#1</td><td>Suction#1</td> <td></td><td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Depth In (m)</td><td>371.00</td> <td>1</td><td>CD548B x 4.50MP X20</td><td>163</td><td>60</td><td>0.81</td> <td>Depth</td><td>2010.00</td><td>2038.00</td> <td></td><td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Total Drilled (m)</td><td>5.75</td> <td>2</td><td>4" CD540 HWDP</td><td>101</td><td>65</td><td>18.87</td> <td>PVT</td><td>19.19</td><td>15.52</td> <td></td><td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td colspan="7" rowspan="4">           Directional drill 200mm build section of main hole from 2054m to 2073m MD. 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