



Company: Mull Drilling Company, Inc

Lease: Phillips #1-20

SEC: 20 TWN: 24S RNG: 23W
 County: HODGEMAN
 State: Kansas
 Drilling Contractor: WW Drilling, LLC -
 Rig 4
 Elevation: 2386 Est
 Field Name: Wildcat
 Pool: Wildcat
 Job Number: 263

Operation:
 Uploading recovery &
 pressures

DATE
 November
03
 2018

DST #1 **Formation: Congl chert** **Test Interval: 4645 - 4690'** **Total Depth: 4690'**

Time On: 19:25 11/03 Time Off: 01:49 11/04
 Time On Bottom: 21:50 11/03 Time Off Bottom: 23:55 11/03

Electronic Volume
 Estimate:
 18'

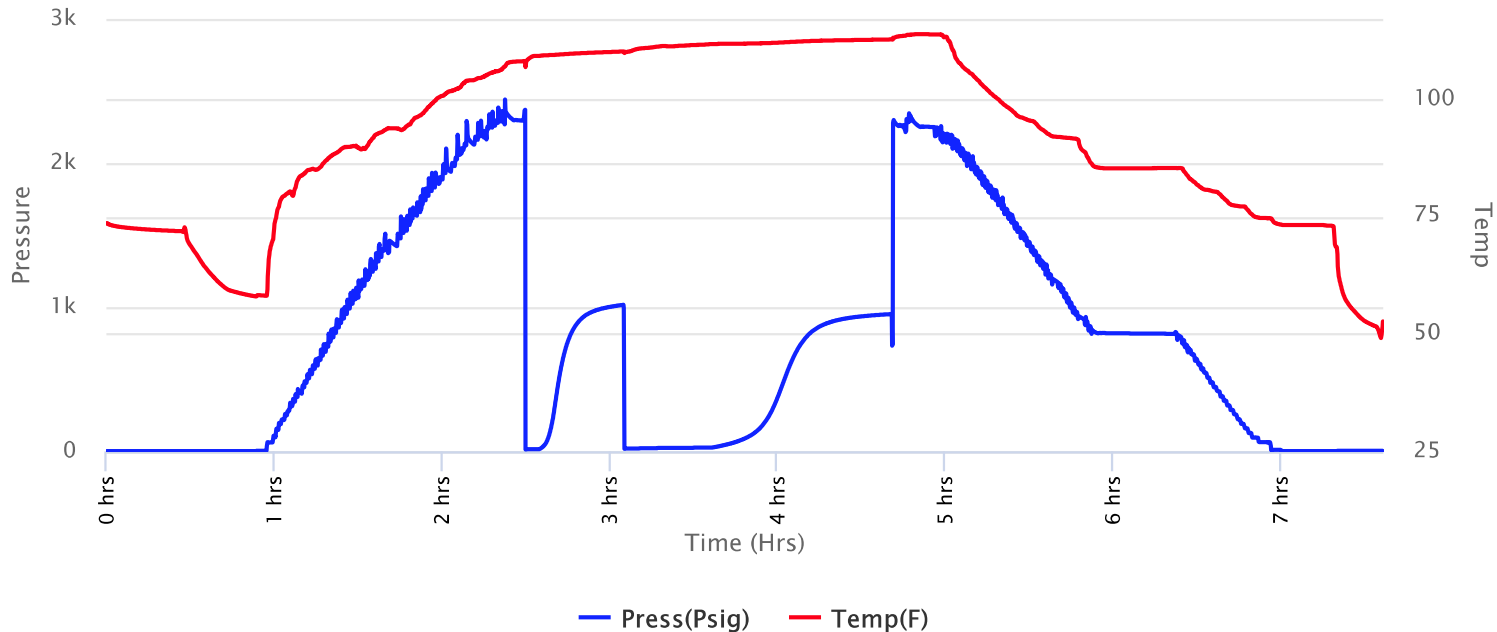
1st Open
 Minutes: 5
 Current Reading:
 .5" at 5 min
 Max Reading: .5"

1st Close
 Minutes: 30
 Current Reading:
 0" at 30 min
 Max Reading: 0"

2nd Open
 Minutes: 30
 Current Reading:
 0" at 30 min
 Max Reading: 0"

2nd Close
 Minutes: 60
 Current Reading:
 0" at 60 min
 Max Reading: 0"

Inside Recorder





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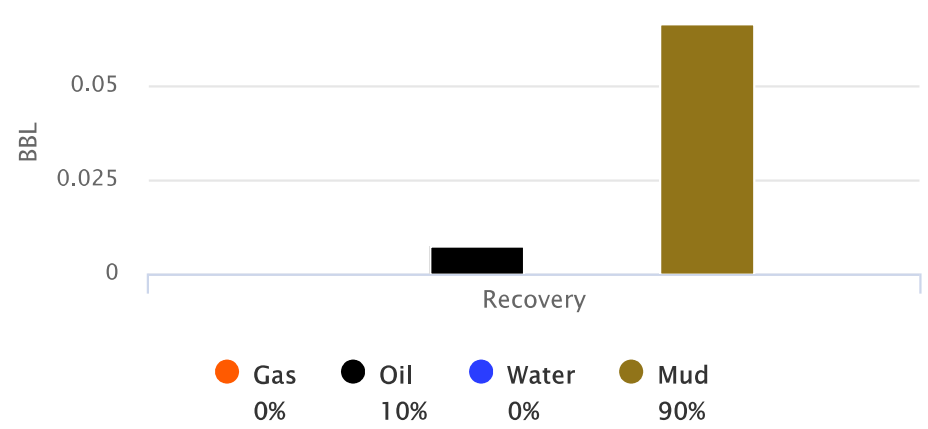
| <u>Recovered</u> | | <u>Description of Fluid</u> | <u>Gas %</u> | <u>Oil %</u> | <u>Water %</u> | <u>Mud %</u> |
|------------------|-------------|-----------------------------|--------------|--------------|----------------|--------------|
| <u>Foot</u> | <u>BBLs</u> | | | | | |
| 15 | 0.0738 | SLOCM | 0 | 10 | 0 | 90 |

Total Recovered: 15 ft
Total Barrels Recovered: 0.0738

Reversed Out
NO

Recovery at a glance

| | | |
|--|-------------|------------|
| Initial Hydrostatic Pressure | 2296 | PSI |
| Initial Flow | 14 to 16 | PSI |
| Initial Closed in Pressure | 1017 | PSI |
| Final Flow Pressure | 19 to 26 | PSI |
| Final Closed in Pressure | 953 | PSI |
| Final Hydrostatic Pressure | 2269 | PSI |
| Temperature | 113 | °F |
| Pressure Change Initial Close / Final Close | 6.3 | % |





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BUCKET MEASUREMENT:

REMARKS:

Tool Sample: 0% Gas 15% Oil 0% Water 85% Mud



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Down Hole Makeup

| | |
|---|---------------------------------|
| Heads Up: 31.27 FT | Packer 1: 4640.07 FT |
| Drill Pipe: 4534.6 FT <i>ID-3 1/2</i> | Packer 2: 4645.07 FT |
| Weight Pipe: FT <i>ID-2 7/8</i> | Top Recorder: 4632.07 FT |
| | Bottom Recorder: 4688 FT |
| | Well Bore Size: 7 7/8 |

Collars: 116.58 FT

ID-2 1/4

Test Tool: 26.16 FT

ID-3 1/2-FH

Total Anchor: 44.93

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 7 FT

4 1/2-FH

Change Over: 1 FT

Drill Pipe: (in anchor): 31.93 FT

ID-3 1/2

Change Over: 1 FT

Perforations: (below): 3 FT

4 1/2-FH

Surface Choke: 1"

Bottom Choke: 5/8"



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Mud Properties

Mud Type: Chemical

Weight: 9.1

Viscosity: 59

Filtrate: 10.4

Chlorides: 6800 ppm

