



**Company: Mull Drilling
Company, Inc**
Lease: BSR "A" #1-19

SEC: 19 TWN: 12S RNG: 53W
County: LINCOLN
State: Colorado
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 120
Elevation: 4927 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 523
API #: 05-073-06779

Operation:
Test Complete

DATE
October
14
2021

DST #2 **Formation:** Cherokee **Test Interval: 6136 - 6214'** **Total Depth: 6214'**
Time On: 03:03 10/14 Time Off: 19:19 10/14
Time On Bottom: 12:30 10/14 Time Off Bottom: 15:10 10/14

Electronic Volume
Estimate:
4550'

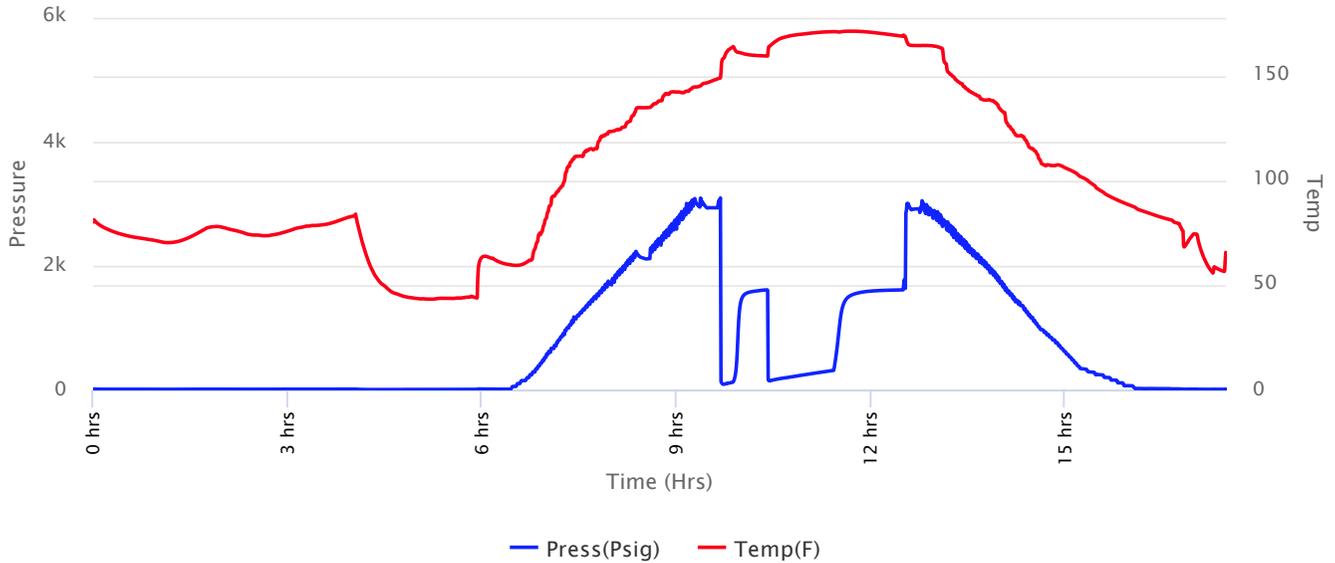
1st Open
Minutes: 10
Current Reading:
40.3" at 10 min
Max Reading: 40.3"

1st Close
Minutes: 30
Current Reading:
5.4" at 30 min
Max Reading: 5.4"

2nd Open
Minutes: 60
Current Reading:
192.3" at 60 min
Max Reading: 192.3"

2nd Close
Minutes: 60
Current Reading:
108.5" at 60 min
Max Reading: 108.5"

Inside Recorder





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Recovered

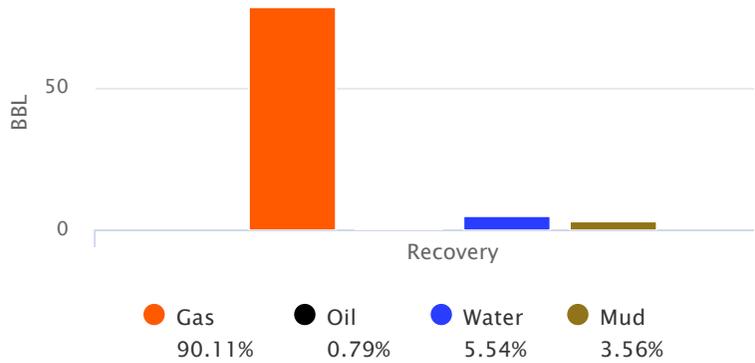
| Foot | BBLs | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|---------|----------------------|-------|-------|---------|-------|
| 85 | 1.20955 | SLGCHOCM | 10 | 40 | 0 | 50 |
| 95 | 1.35185 | SLOGGCM | 20 | 10 | 0 | 70 |
| 95 | 1.35185 | SLOCSLGCWCM | 10 | 5 | 20 | 65 |
| 95 | 1.35185 | SLGCHMCW (trace O) | 10 | .1 | 59.9 | 30 |
| 95 | 1.35185 | SLMCW (trace O) | 0 | .1 | 89.9 | 10 |
| 185 | 2.63255 | SLMCW | 0 | 0 | 97 | 3 |
| 5 | 0.07115 | M | 0 | 0 | 0 | 100 |
| 5500 | 78.265 | G | 100 | 0 | | |

Total Recovered: 6155 ft
Total Barrels Recovered: 87.58565

Reversed Out
NO

| | | |
|-----------------------------------|-------------|------------|
| Initial Hydrostatic Pressure | 2935 | PSI |
| Initial Flow | 88 to 118 | PSI |
| Initial Closed in Pressure | 1610 | PSI |
| Final Flow Pressure | 148 to 311 | PSI |
| Final Closed in Pressure | 1611 | PSI |
| Final Hydrostatic Pressure | 2913 | PSI |
| Temperature | 171 | °F |
| Pressure Change Initial | 0.0 | % |
| Close / Final Close | | |

Recovery at a glance



GIP cubic foot volume: 443.13393



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BUCKET MEASUREMENT:

1st Open: BoB in 3 minutes 32 seconds.
1st Close: Weak surface Return started at 3 minutes 41 seconds. Built to over 30 minutes.
2nd Open: BoB in 7 minutes 18 seconds.
2nd Close: BoB in 8 minutes 46 seconds

REMARKS:

GAS TO SURFACE AT END OF FINAL SHUT IN.

Tool Sample: 20% Gas 10% Oil 50% Water 20% Mud

Ph: 9

Measured RW: .13 @ 41 degrees °F

RW at Formation Temp: 0.035 @ 171 °F

Chlorides: 55000 ppm



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Down Hole Makeup

| | |
|--|---------------------------------|
| Heads Up: 9.3899999999997 FT | Packer 1: 6130.55 FT |
| Drill Pipe: 6112.37 FT <i>ID-3 1/2</i> | Packer 2: 6135.55 FT |
| Weight Pipe: 0 FT <i>ID-2 7/8</i> | Top Recorder: 6119.97 FT |
| Collars: 0 FT <i>ID-2 1/4</i> | Bottom Recorder: 6212 FT |
| Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i> | Well Bore Size: 7 7/8 |
| Total Anchor: 78.45 | Surface Choke: 1" |
| Anchor Makeup | Bottom Choke: 5/8" |
| Packer Sub: 1 FT | |
| Perforations: (top): 10 FT <i>4 1/2-FH</i> | |
| Change Over: .5 FT | |
| Drill Pipe: (in anchor): 63.45 FT <i>ID-3 1/2</i> | |
| Change Over: .5 FT | |
| Perforations: (below): 3 FT <i>4 1/2-FH</i> | |



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Mud Properties

Mud Type: Chem. **Weight:** 9.2 **Viscosity:** 53 **Filtrate:** 8.0 **Chlorides:** 350 ppm



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Gas Volume Report

| 1st Open | | | |
|----------|---------|-----|-------|
| Time | Orifice | PSI | MCF/D |

| 2nd Open | | | |
|----------|---------|-----|-------|
| Time | Orifice | PSI | MCF/D |