



**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

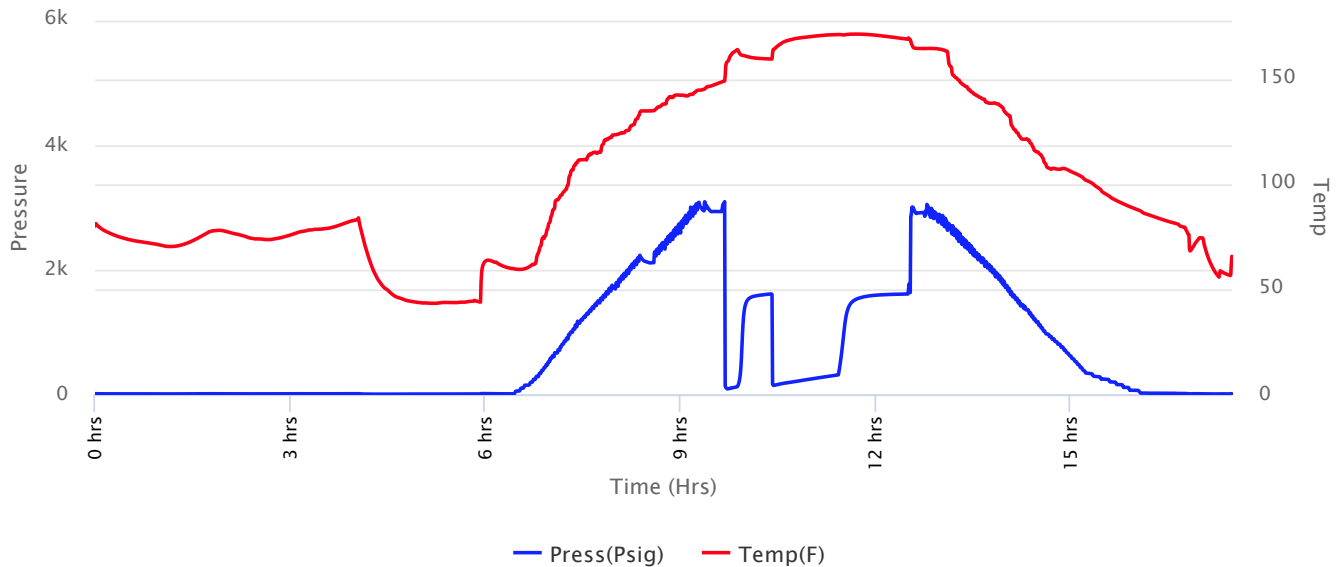
Minutes: 60

Current Reading:

108.5" at 60 min

Max Reading: 108.5"

Inside Recorder





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Recovered

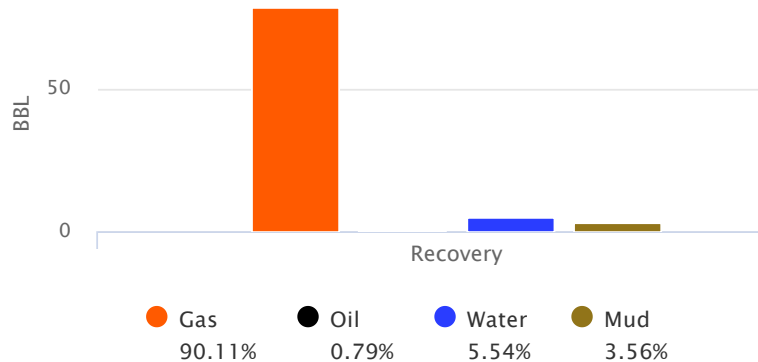
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
85	1.20955	SLGCHOCM	10	40	0	50
95	1.35185	SLOGCM	20	10	0	70
95	1.35185	SLOCSLGCWCM	10	5	20	65
95	1.35185	SLGCHMCW (trace O)	10	.1	59.9	30
95	1.35185	SLMCW (trace O)	0	.1	89.9	10
185	2.63255	SLMCW	0	0	97	3
5	0.07115	M	0	0	0	100
5500	78.265	G	100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

Total Recovered: 6155 ft

Total Barrels Recovered: 87.58565

Reversed Out  
NO

**Recovery at a glance**



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

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:** 9.38999999999997 FT

**Packer 1:** 6130.55 FT

**Drill Pipe:** 6112.37 FT  
*ID-3 1/2*

**Packer 2:** 6135.55 FT

**Top Recorder:** 6119.97 FT

**Weight Pipe:** 0 FT  
*ID-2 7/8*

**Bottom Recorder:** 6212 FT

**Collars:** 0 FT  
*ID-2 1/4*

**Well Bore Size:** 7 7/8

**Surface Choke:** 1"

**Test Tool:** 33.57 FT  
*ID-3 1/2-FH  
Jars  
Safety Joint*

**Bottom Choke:** 5/8"

**Total Anchor:** 78.45

**Anchor Makeup**

**Packer Sub:** 1 FT

**Perforations: (top):** 10 FT  
*4 1/2-FH*

**Change Over:** .5 FT

**Drill Pipe: (in anchor):** 63.45 FT  
*ID-3 1/2*

**Change Over:** .5 FT

**Perforations: (below):** 3 FT  
*4 1/2-FH*



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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
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**2nd Open**

Time	Orifice	PSI	MCF/D
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