



**Company: Mull Drilling  
Company, Inc**  
**Lease: Schmitt #1-10**

SEC: 10 TWN: 17S RNG: 32W  
County: SCOTT  
State: Kansas  
Drilling Contractor: Duke Drilling  
Company, Inc - Rig 4  
Elevation: 2988 GL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 338

**Operation:**  
Uploading recovery &  
pressures

**DATE**  
April  
**29**  
2019

**DST #2**      **Formation: Marmaton**      **Test Interval: 4355 - 4450'**      **Total Depth: 4450'**  
Time On: 07:32 04/29      Time Off: 16:38 04/29  
Time On Bottom: 10:17 04/29      Time Off Bottom: 13:52 04/29

Electronic Volume  
Estimate:  
184'

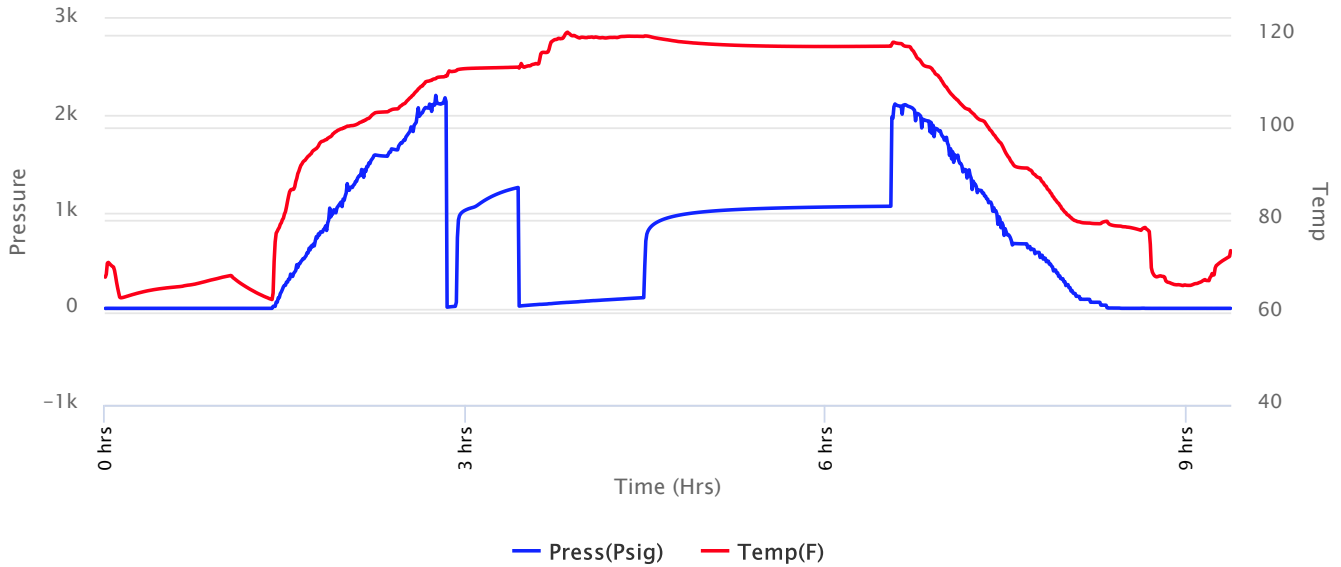
1st Open  
Minutes: 5  
Current Reading:  
1.7" at 5 min  
Max Reading: 1.7"

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

2nd Open  
Minutes: 60  
Current Reading:  
13.8" at 60 min  
Max Reading: 13.8"

2nd Close  
Minutes: 120  
Current Reading:  
0" at 120 min  
Max Reading: 0"

Inside Recorder





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Recovered

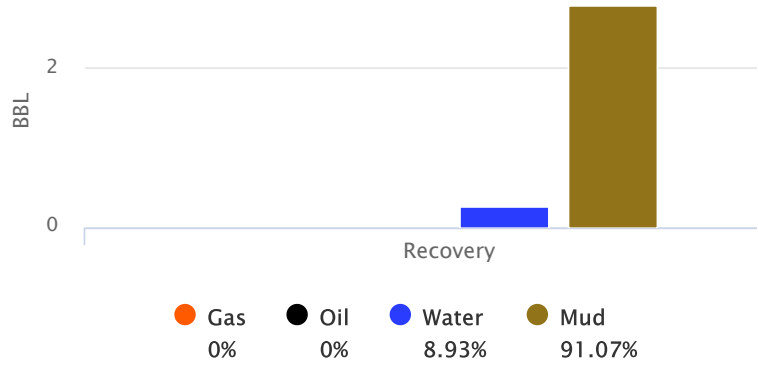
Foot	BBLS	Description of Fluid	Gas %	Oil %	Water %	Mud %
155	2.20565	MUD	0	0	0	100
60	0.8538	HWCM	0	0	32	68

Total Recovered: 215 ft  
Total Barrels Recovered: 3.05945

Reversed Out  
NO

Initial Hydrostatic Pressure	2124	PSI
Initial Flow	13 to 22	PSI
<b>Initial Closed in Pressure</b>	<b>1253</b>	<b>PSI</b>
Final Flow Pressure	24 to 111	PSI
<b>Final Closed in Pressure</b>	<b>1058</b>	<b>PSI</b>
Final Hydrostatic Pressure	2118	PSI
Temperature	121	°F
Pressure Change Initial Close / Final Close	15.5	%

**Recovery at a glance**



GIP cubic foot volume: 0



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**BUCKET MEASUREMENT:**

1st Open: 1/4" blow building to 2"  
1st Close: No BB  
2nd Open: Surface blow building to BOB 54 min.  
2nd Close: No BB

**REMARKS:**

Tool Sample: 0% Gas .1% Oil 4.9% Water 95% Mud  
Ph: 9.0  
Measured RW: .34 @ 70 degrees °F  
RW at Formation Temp: 0.204 @ 121 °F  
Chlorides: 13,000 ppm



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**Down Hole Makeup**

Heads Up:	21.23 FT	Packer 1:	4349.71 FT
Drill Pipe:	4343.37 FT	Packer 2:	4354.71 FT
ID-3 1/2		Top Recorder:	4339.13 FT
Weight Pipe:	0 FT	Bottom Recorder:	4423 FT
ID-2 7/8		Well Bore Size:	7 7/8
Collars:	0 FT	Surface Choke:	1"
ID-2 1/4		Bottom Choke:	5/8"
Test Tool:	33.57 FT		
ID-3 1/2-FH			
Jars			
Safety Joint			
Total Anchor:	95.29		
Anchor Makeup			
Packer Sub:	1 FT		
Perforations: (top):	3 FT		
4 1/2-FH			
Change Over:	1 FT		
Drill Pipe: (in anchor):	61.29 FT		
ID-3 1/2			
Change Over:	1 FT		
Perforations: (below):	28 FT		
4 1/2-FH			



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### Mud Properties

**Mud Type:** Chemical      **Weight:** 9.3      **Viscosity:** 51      **Filtrate:** 8.0      **Chlorides:** 3,500 ppm



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### Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D