

**Operation:**Uploading recovery &
pressures**Company: Grand Mesa
Operating Company
Lease: O'Brien #2-9**SEC: 9 TWN: 16S RNG: 29W
County: LANE
State: Kansas
Drilling Contractor: Murfin Drilling
Company, Inc - Rig 16
Elevation: 2662 GL
Field Name: Hickok Road
Pool: Infield
Job Number: 421
API #: 15-101-22638-00-00**DATE**

November

17

2019

DST #2**Formation:**
Swope/Middle Creek**Test Interval: 4045 -
4093'****Total Depth: 4093'**

Time On: 13:43 11/17

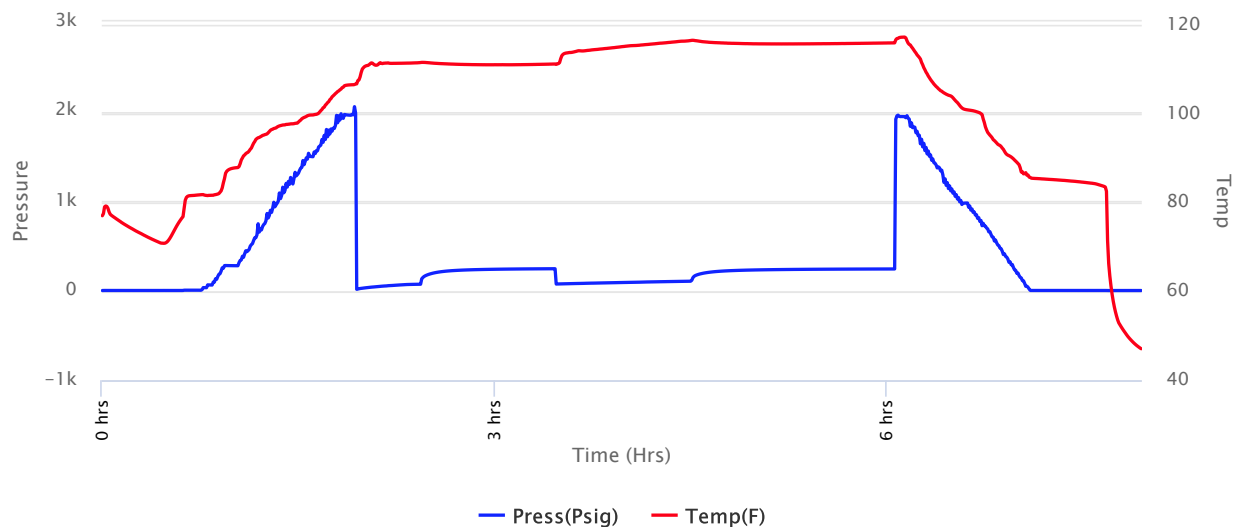
Time Off: 21:44 11/17

Time On Bottom: 15:36 11/17

Time Off Bottom: 19:36 11/17

Electronic Volume
Estimate:
206'1st Open
Minutes: 30
Current Reading:
5.7" at 30 min
Max Reading: 5.7"1st Close
Minutes: 60
Current Reading:
0" at 60 min
Max Reading: 0"2nd Open
Minutes: 60
Current Reading:
6.2" at 60 min
Max Reading: 6.2"2nd Close
Minutes: 60
Current Reading:
0" at 60 min
Max Reading: 0"

Inside Recorder





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Recovered

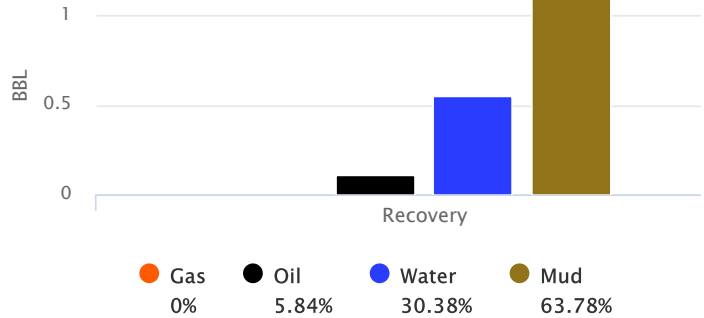
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
2	0.02846	O	0	100	0	0
85	1.1926058	SLOCSLWCM	0	5	11	84
120	0.5904	SLOCMCW	0	3	71	26

Total Recovered: 207 ft

Total Barrels Recovered: 1.8114658

**Reversed Out
NO**

Recovery at a glance



Initial Hydrostatic Pressure	1960	PSI
Initial Flow	14 to 71	PSI
Initial Closed in Pressure	244	PSI
Final Flow Pressure	74 to 105	PSI
Final Closed in Pressure	241	PSI
Final Hydrostatic Pressure	1956	PSI
Temperature	117	°F

Pressure Change Initial
Close / Final Close 1.0 %

GIP cubic foot volume: 0

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BUCKET MEASUREMENT:

1st Open: 1/4" blow building to 5 1/2"

1st Close: No BB

2nd Open: Surface blow building to 6"

2nd Close: No BB

REMARKS:

Tool Sample: 0% Gas 5% Oil 70% Water 25% Mud

Ph: 7.0

Measured RW: GAUGE DIDN'T WORK @ degrees °F

Chlorides: 26,000 ppm



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Down Hole Makeup**Heads Up:** 15.37 FT**Packer 1:** 4040.17 FT**Drill Pipe:** 3906.15 FT
*ID-3 1/2***Packer 2:** 4045.17 FT**Weight Pipe:** 0 FT
*ID-2 7/8***Top Recorder:** 4029.59 FT**Collars:** 121.82 FT
*ID-2 1/4***Bottom Recorder:** 4084 FT**Test Tool:** 33.57 FT
ID-3 1/2-FH
Jars
*Safety Joint***Well Bore Size:** 7 7/8**Surface Choke:** 1"**Bottom Choke:** 5/8"**Total Anchor:** 47.83**Anchor Makeup****Packer Sub:** 1 FT**Perforations: (top):** 3 FT
*4 1/2-FH***Change Over:** 1 FT**Drill Pipe: (in anchor):** 31.83 FT
*ID-3 1/2***Change Over:** 1 FT**Perforations: (below):** 10 FT
4 1/2-FH**Operation:****Company: Grand Mesa**
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Mud Properties

Mud Type: Chemical **Weight:** 9.0 **Viscosity:** 57 **Filtrate:** 8.0 **Chlorides:** 3,000 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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