



Company: Ritchie Exploration, Inc.

Lease: Eaton Enterprises #1

SEC: 30 TWN: 16S RNG: 31W
County: SCOTT
State: Kansas
Drilling Contractor: Murfin Drilling Company, Inc - Rig 21
Elevation: 2956 GL
Field Name: Michigan West
Pool: Infield
Job Number: 183

DATE
July
08
2018

DST #7 **Formation: Altamont B and C** **Test Interval: 4408 - 4455'** **Total Depth: 4455'**
Time On: 23:52 07/08 Time Off: 06:33 07/09
Time On Bottom: 02:20 07/09 Time Off Bottom: 04:20 01/01

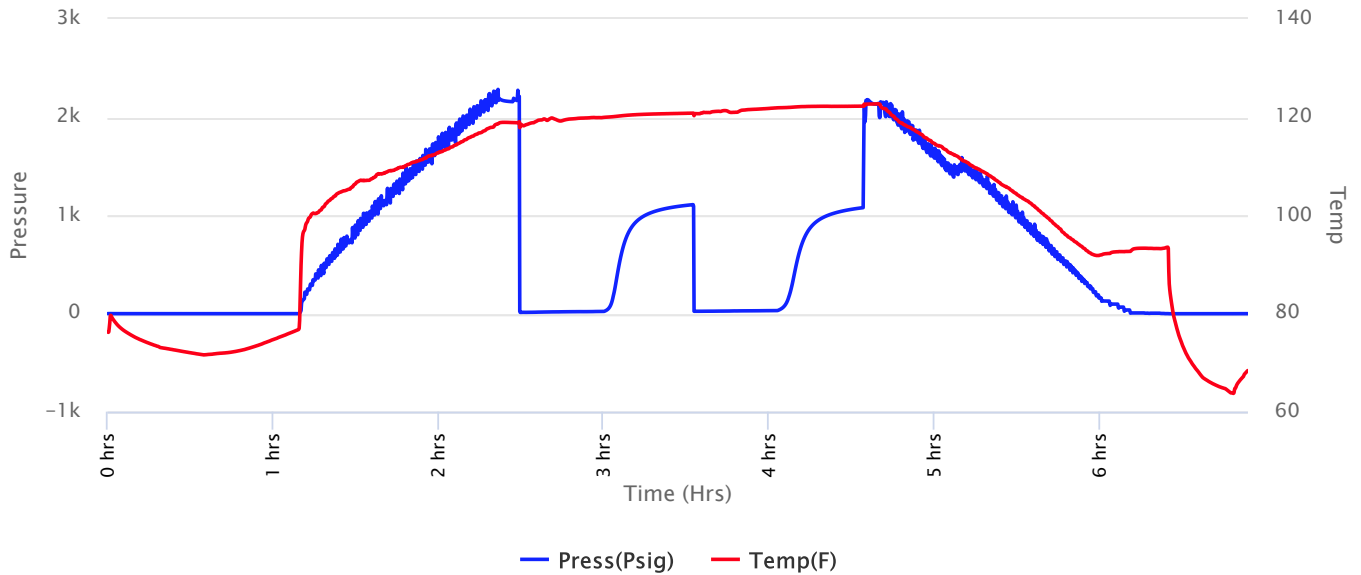
Electronic Volume Estimate:
25'

1st Open
Minutes: 30
.75" at 30 min

1st Close
Minutes: 30
0" at 30 min

2nd Open
Minutes: 30
0" at 30 min

2nd Close
Minutes: 30
0" at 30 min





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Recovered

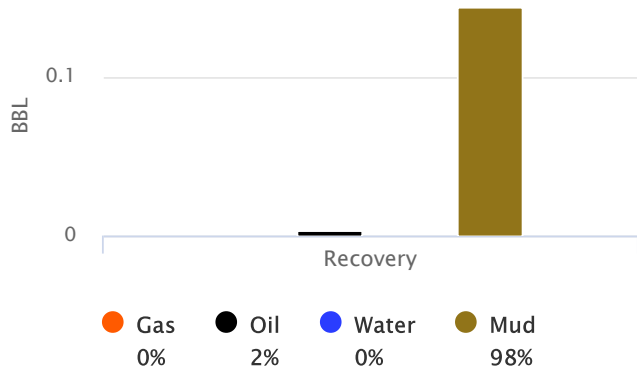
Foot	BBS
30	0.1476

Description of Fluid	Gas %	Oil %	Water %	Mud %
SLOCM	0	2	0	98

Total Recovered: 30 ft
 Total Barrels Recovered: 0.1476

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	2162	PSI
Initial Flow	11 to 22	PSI
Initial Closed in Pressure	1109	PSI
Final Flow Pressure	23 to 30	PSI
Final Closed in Pressure	1078	PSI
Final Hydrostatic Pressure	2159	PSI
Temperature	123	°F
Pressure Change Initial Close / Final Close	2.8	%



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Down Hole Makeup

Heads Up: 18.33 FT

Packer 1: 4403 FT

Drill Pipe: 4118.59 FT

Packer 2: 4408 FT

ID-3 1/2

Top Recorder: 4392.42 FT

Weight Pipe: FT

ID-2 7/8

Bottom Recorder: 4445 FT

Collars: 275.17 FT

ID-2 1/4

Well Bore Size: 7 7/8

Surface Choke: 1"

Test Tool: 33.57 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 47

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 2 FT

4 1/2-FH

Change Over: 1 FT

Drill Pipe: (in anchor): 31.5 FT

ID-3 1/2

Change Over: .5 FT

Perforations: (below): 11 FT

4 1/2-FH



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Mud Properties

Mud Type: Chemical **Weight:** 9.2 **Viscosity:** 54 **Filtrate:** 8.0 **Chlorides:** 5500 ppm