



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
10
 2018

DST #8 Formation: Pawnee threw johnson Test Interval: 4456 - 4600' Total Depth: 4600'
 Time On: 00:55 07/10 Time Off: 07:33 07/10
 Time On Bottom: 03:15 07/10 Time Off Bottom: 05:15 07/10

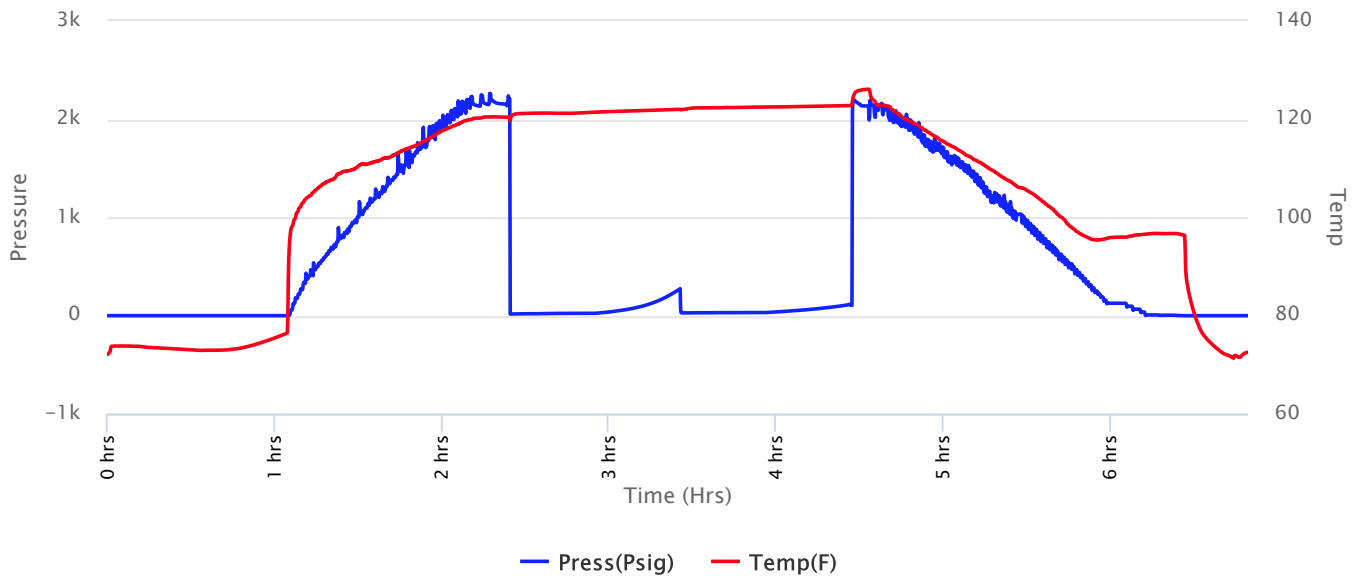
Electronic Volume Estimate:
 8'

1st Open
 Minutes: 30
 .25" 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

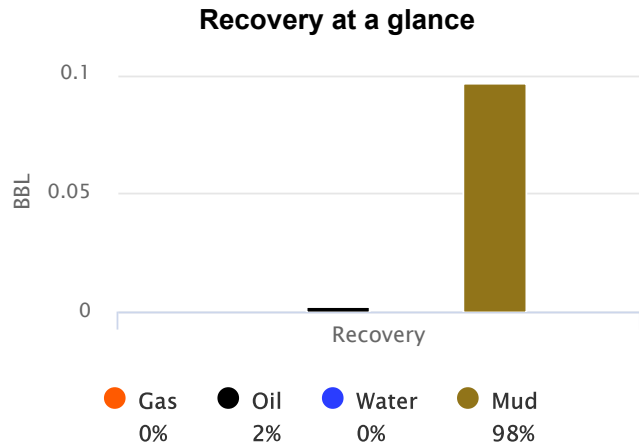
Foot	BBLs
20	0.0984

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

Total Recovered: 20 ft
 Total Barrels Recovered: 0.0984

Reversed Out
 NO

Initial Hydrostatic Pressure	2156	PSI
Initial Flow	15 to 23	PSI
Initial Closed in Pressure	273	PSI
Final Flow Pressure	28 to 30	PSI
Final Closed in Pressure	113	PSI
Final Hydrostatic Pressure	2136	PSI
Temperature	123	°F
Pressure Change Initial Close / Final Close	58.7	%





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REMARKS:

If:1/4" built to 1/2"

Ic:nobb

Ff:no blow no build

Fc:nobb

Toolsample: 2o - 98m



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Down Hole Makeup

Heads Up: 32.82 FT	Packer 1: 4451 FT
Drill Pipe: 4181.08 FT <i>ID-3 1/2</i>	Packer 2: 4456 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 4440.42 FT
Collars: 275.17 FT <i>ID-2 1/4</i>	Bottom Recorder: 4588 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: 144	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 126 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 13 FT <i>4 1/2-FH</i>	



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Mud Properties

Mud Type: Chemical **Weight:** 9.3 **Viscosity:** 61 **Filtrate:** 9.6 **Chlorides:** 6000 ppm