



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
05
2018

DST #3 **Formation: Lansing D,E,F** **Test Interval: 4050 - 4085'** **Total Depth: 4085'**
Time On: 17:37 07/05 Time Off: 01:20 07/06
Time On Bottom: 19:55 07/05 Time Off Bottom: 22:55 07/05

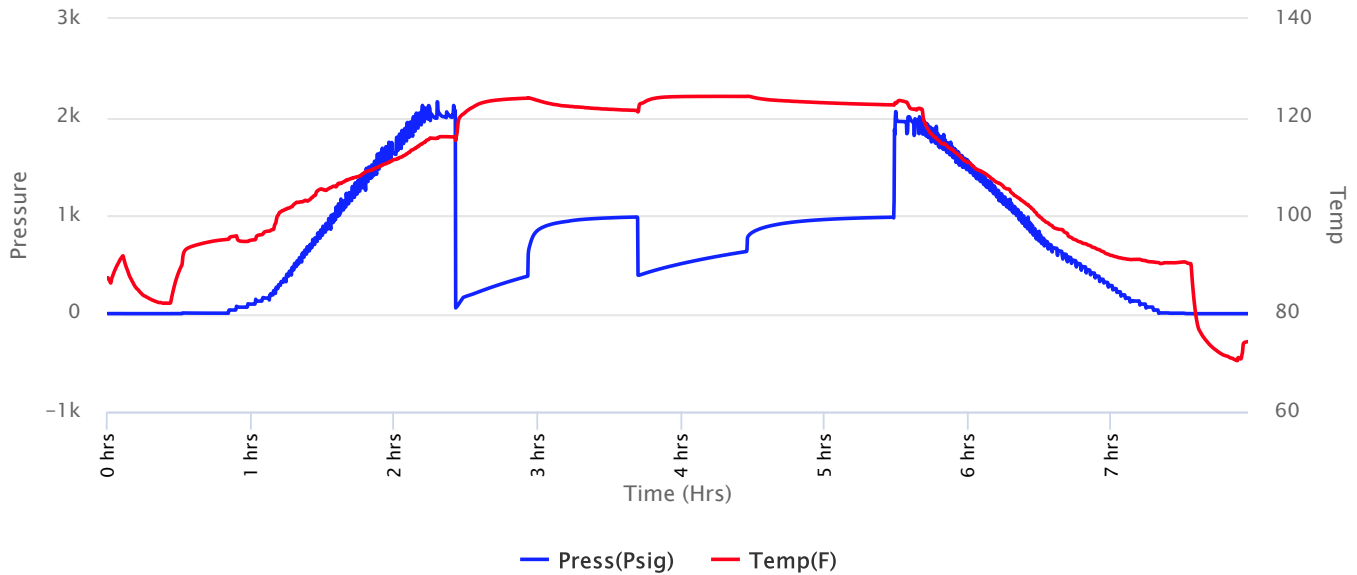
Electronic Volume Estimate:
1517'

1st Open
Minutes: 30
69.6" at 30 min

1st Close
Minutes: 45
0" at 45 min

2nd Open
Minutes: 45
70" at 45 min

2nd Close
Minutes: 60
0" at 60 min





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Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
10	0.1423	O	0	100	0	0
50	0.7115	SLOCHMCW	0	5	60	35
189	2.68947	SLMCSLOCW	0	15	70	15
189	2.68947	SLGCSLOC SLMCW	10	10	67	13
504	7.17192	SLOC SLMCW	0	4	91	5
567	5.5065773	SLMCW	0	0	95	5

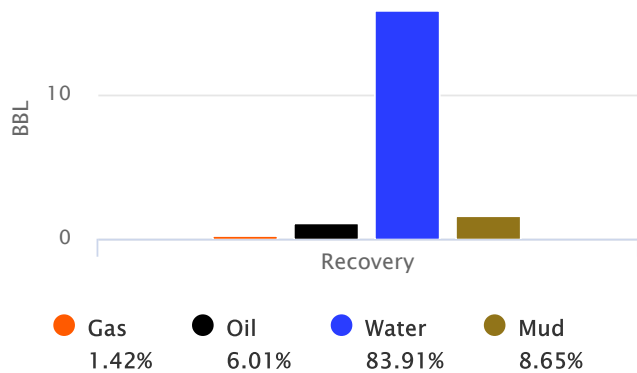
Total Recovered: 1509 ft

Total Barrels Recovered: 18.9112373

Reversed Out
 NO

Initial Hydrostatic Pressure	2019	PSI
Initial Flow	57 to 381	PSI
Initial Closed in Pressure	983	PSI
Final Flow Pressure	391 to 632	PSI
Final Closed in Pressure	981	PSI
Final Hydrostatic Pressure	1996	PSI
Temperature	125	°F
Pressure Change Initial Close / Final Close	0.2	%

Recovery at a glance





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REMARKS:

If:1" bob In 3 1/2min

Ic:nobb

Ff:wsb bob in 6min

Fc:nobb

Toolsample: 20o - 60w - 20m

Gravity: 28.3 @ 60 degrees F

Ph: 7

RW: .2 @ 70 degrees F

Chlorides: 36000 ppm



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Down Hole Makeup

Heads Up: 29.15 FT	Packer 1: 4045 FT
Drill Pipe: 3771.41 FT <i>ID-3 1/2</i>	Packer 2: 4050 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 4034.42 FT
Collars: 275.17 FT <i>ID-2 1/4</i>	Bottom Recorder: 4052 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: 35	Surface Choke: 1"
	Bottom Choke: 5/8"

Anchor Makeup

Packer Sub: 1 FT

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

Change Over: FT

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

Change Over: FT

Perforations: (below): 34 FT
4 1/2-FH



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Mud Properties

Mud Type: Chemical **Weight:** 9.1 **Viscosity:** 56 **Filtrate:** 7.2 **Chlorides:** 4200 ppm