



Company: Ritchie Exploration, Inc.

Lease: Anderson-Schwartz Trust #1

SEC: 32 TWN: 19S RNG: 30W
County: LANE
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rig 12
Elevation: 2930 EGL
Field Name: Sutton Township
Pool: Infield
Job Number: 312

Operation:
Uploading recovery & pressures

DATE
March
06
2019

DST #1 **Formation: Lansing "H&I"** **Test Interval: 4164 - 4240'** **Total Depth: 4240'**
Time On: 07:21 03/06 Time Off: 15:02 03/06
Time On Bottom: 10:27 03/06 Time Off Bottom: 12:42 03/06

Electronic Volume Estimate:
127'

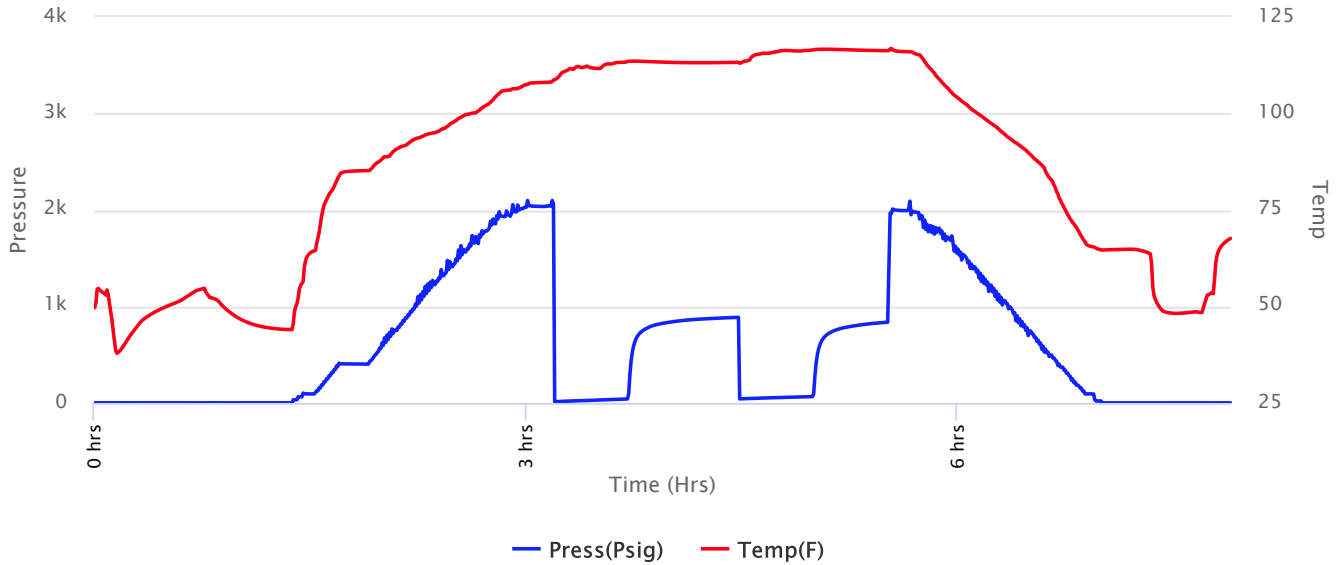
1st Open
Minutes: 30
Current Reading: 2.1" at 30 min
Max Reading: 2.1"

1st Close
Minutes: 45
Current Reading: 0" at 45 min
Max Reading: 0"

2nd Open
Minutes: 30
Current Reading: 1.9" at 30 min
Max Reading: 1.9"

2nd Close
Minutes: 30
Current Reading: 0" at 30 min
Max Reading: 0"

Inside Recorder





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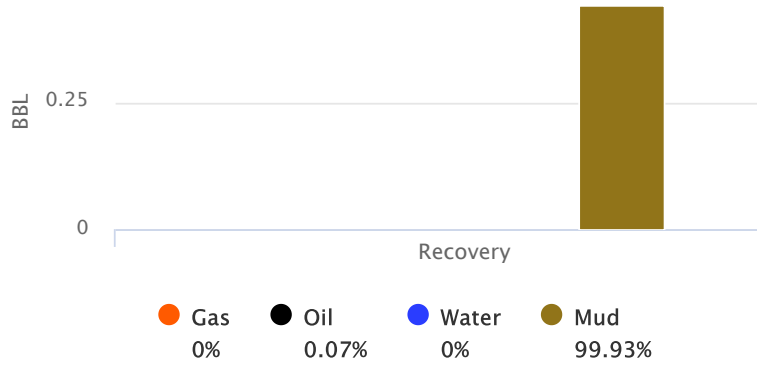
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
30	0.1476	M (trace O)	0	.2	0	99.8
60	0.2952	M	0	0	0	100

Total Recovered: 90 ft
 Total Barrels Recovered: 0.4428

Reversed Out
 NO

Recovery at a glance

Initial Hydrostatic Pressure	2039	PSI
Initial Flow	12 to 41	PSI
Initial Closed in Pressure	887	PSI
Final Flow Pressure	42 to 66	PSI
Final Closed in Pressure	836	PSI
Final Hydrostatic Pressure	2009	PSI
Temperature	117	°F
Pressure Change Initial Close / Final Close	5.7	%



GIP cubic foot volume: 0



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Down Hole Makeup

Heads Up: 10.68 FT	Packer 1: 4158.84 FT
Drill Pipe: 3955.74 FT <i>ID-3 1/2</i>	Packer 2: 4163.84 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4148.26 FT
Collars: 186.21 FT <i>ID-2 1/4</i>	Bottom Recorder: 4202 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: 76.16	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: 1 FT	
Drill Pipe: (in anchor): 31.16 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 39 FT <i>4 1/2-FH</i>	



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Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D