



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: 2927 EGL
Field Name: Sutton Township
Pool: Infield
Job Number: 312

Operation:
Uploading recovery & pressures

DATE
March
12
2019

DST #5 **Formation: Upper Mississipian** **Test Interval: 4608 - 4632'** **Total Depth: 4632'**
Time On: 07:56 03/12 Time Off: 14:45 03/12
Time On Bottom: 10:30 03/12 Time Off Bottom: 12:30 03/12

Electronic Volume Estimate:
39'

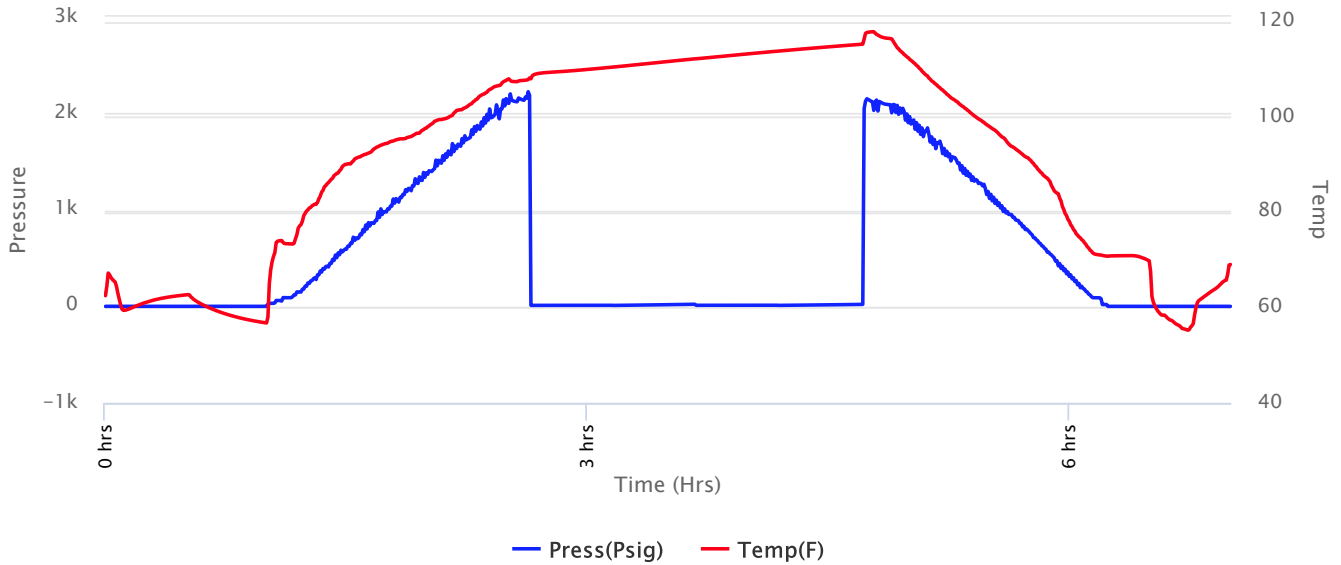
1st Open
Minutes: 30
Current Reading: 1.0" at 30 min
Max Reading: 1.1"

1st Close
Minutes: 30
Current Reading: 0" at 30 min
Max Reading: 0"

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

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

Inside Recorder





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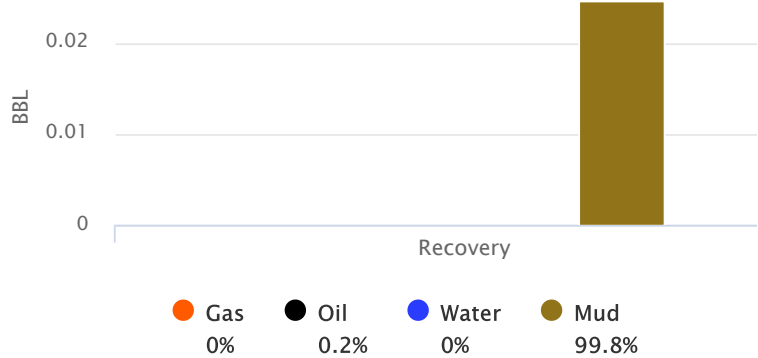
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
5	0.0246	M (trace O)	0	.2	0	99.8

Total Recovered: 5 ft
 Total Barrels Recovered: 0.0246

Reversed Out
NO

Initial Hydrostatic Pressure	2136	PSI
Initial Flow	11 to 12	PSI
Initial Closed in Pressure	22	PSI
Final Flow Pressure	12 to 12	PSI
Final Closed in Pressure	21	PSI
Final Hydrostatic Pressure	2135	PSI
Temperature	116	°F
Pressure Change Initial Close / Final Close	6.4	%

Recovery at a glance



GIP cubic foot volume: 0



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Down Hole Makeup

Heads Up: 3.85000000000005 FT	Packer 1: 4603 FT
Drill Pipe: 4393.07 FT <i>ID-3 1/2</i>	Packer 2: 4608 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4592.42 FT
Collars: 186.21 FT <i>ID-2 1/4</i>	Bottom Recorder: 4610 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: 24	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 0 FT <i>4 1/2-FH</i>	
Change Over: 0 FT	
Drill Pipe: (in anchor): 0 FT <i>ID-3 1/2</i>	
Change Over: 0 FT	
Perforations: (below): 23 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