



Company: L. D. Drilling, Inc
Lease: Sampson Trust #1-13

SEC: 13 TWN: 18S RNG: 23W
 County: NESS
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc - Rig 1
 Elevation: 2295 EGL
 Field Name: Wildcat
 Pool: Infield
 Job Number: 384
 API #: 15-135-26077-00-00

Operation:
 Uploading recovery & pressures

DATE
 September
11
 2019

DST #3 **Formation: Mississippian** **Test Interval: 4317 - 4327'** **Total Depth: 4327'**
 Time On: 13:22 09/11 Time Off: 21:28 09/11
 Time On Bottom: 15:35 09/11 Time Off Bottom: 18:35 09/11

Electronic Volume Estimate:
 338'

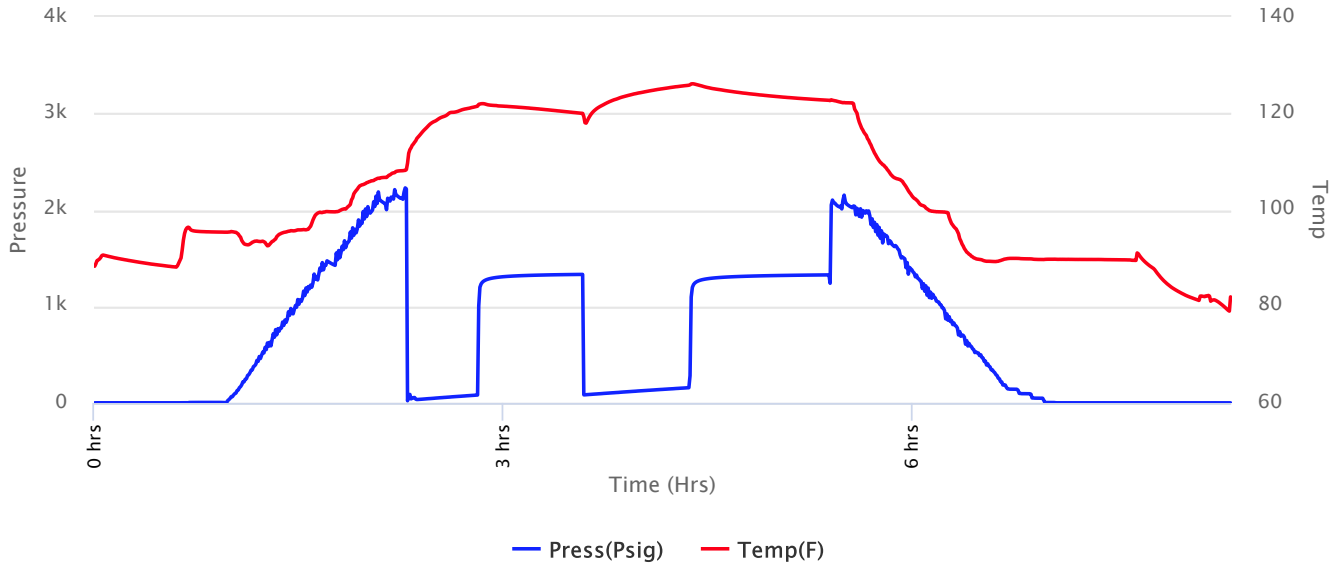
1st Open
 Minutes: 30
 Current Reading: 14.2" at 30 min
 Max Reading: 14.2"

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

2nd Open
 Minutes: 45
 Current Reading: 15.8" at 45 min
 Max Reading: 15.8"

2nd Close
 Minutes: 60
 Current Reading: 0" at 60 min
 Max Reading: 0"

Inside Recorder





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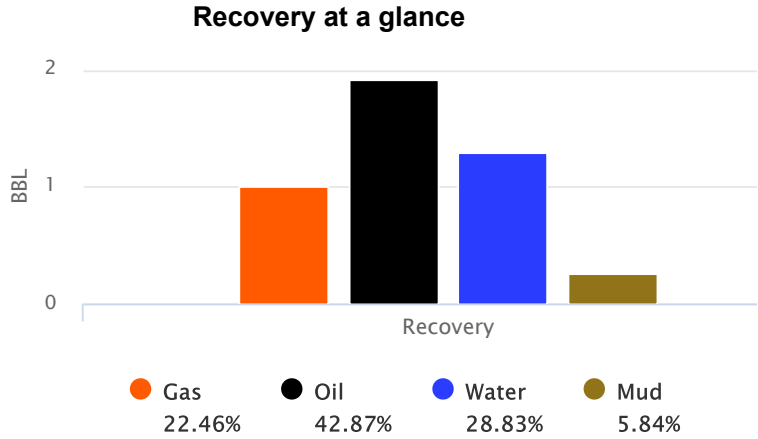
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Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
80	0.8208	G	100	0	0	0
295	3.0267	SLGCSLMCWCO	6	62	24	8
60	0.6156	SLMCSLOCW	0	6	91	3

Total Recovered: 435 ft
 Total Barrels Recovered: 4.4631

Reversed Out
 NO

Initial Hydrostatic Pressure	2110	PSI
Initial Flow	23 to 82	PSI
Initial Closed in Pressure	1332	PSI
Final Flow Pressure	84 to 158	PSI
Final Closed in Pressure	1327	PSI
Final Hydrostatic Pressure	2102	PSI
Temperature	127	°F
Pressure Change Initial Close / Final Close	0.4	%



GIP cubic foot volume: 5.62799



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BUCKET MEASUREMENT:

1st Open: 1" blow building to BOB 22 1/2 min.
1st Close: No BB
2nd Open: Surface blow building to BOB 30 1/2 min.
2nd Close: Weak surface BB

REMARKS:

We slid about 4-5 feet when setting tool.
Tool Sample: 14% Gas 4% Oil 81% Water 1% Mud
Ph: 7.5
Measured RW: .33 @ 74 degrees °F
RW at Formation Temp: 0.199 @ 127 °F
Chlorides: 19,000 ppm



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Down Hole Makeup

Heads Up: 20.08 FT	Packer 1: 4312 FT
Drill Pipe: 4304.51 FT <i>ID-3 1/4</i>	Packer 2: 4317 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4301.42 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 4319 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: 10	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 1/4</i>	
Change Over: 0 FT	
Perforations: (below): 9 FT <i>4 1/2-FH</i>	



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Mud Properties

Mud Type: Chemical **Weight:** 9.2 **Viscosity:** 58 **Filtrate:** 7.2 **Chlorides:** 5,100 ppm



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Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D