



Company: L. D. Drilling, Inc
Lease: Samuel #3

SEC: 21 TWN: 21S RNG: 13W
 County: STAFFORD
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc - Rig 1
 Elevation: 1899 EGL
 Field Name: Shaeffer-Rothgarn
 Pool: Infield
 Job Number: 111

DATE
 March
06
 2018

DST #2 Formation: Arbuckle Test Interval: 3653 - 3721' Total Depth: 3721'

Time On: 03:02 03/06 Time Off: 09:46 03/06
 Time On Bottom: 05:00 03/06 Time Off Bottom: 08:00 03/06

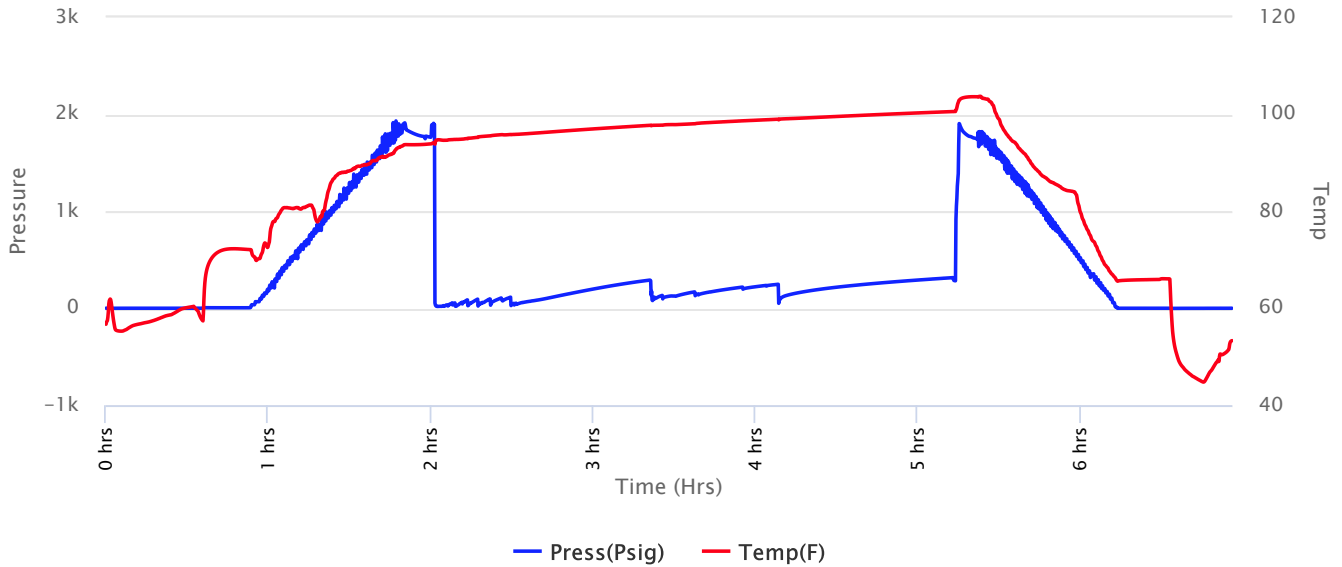
Electronic Volume Estimate:
 31'

1st Open
 Minutes: 30
 3.1" at 30 min

1st Close
 Minutes: 45
 0" at 45 min

2nd Open
 Minutes: 45
 .1" at 45 min

2nd Close
 Minutes: 60
 0" at 60 min





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Recovered

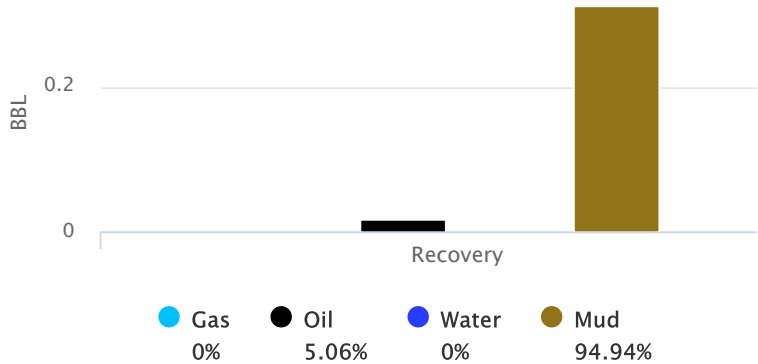
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
1	0.01026	O	0	100	0	0
31	0.31806	SLOCM	0	2	0	98

Total Recovered: 32 ft
 Total Barrels Recovered: 0.32832

Reversed Out
 NO

Initial Hydrostatic Pressure	1771	PSI
Initial Flow	19 to 28	PSI
Initial Closed in Pressure	285	PSI
Final Flow Pressure	51 to 83	PSI
Final Closed in Pressure	316	PSI
Final Hydrostatic Pressure	1772	PSI
Temperature	101	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance





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REMARKS:

1O. WSB. Built to 3 inches in 30 mins.

1C. NOBB

2O. 1/4" Blow. Blow died in 45 mins

2C. NOBB

Tool Sample. 10 % O. 90 % M



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Down Hole Makeup

Heads Up: 33.52 FT	Packer 1: 3647.93 FT
Drill Pipe: 3653.88 FT <i>ID-3 1/4</i>	Packer 2: 3652.93 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3637.35 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 3691 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: 68.07	Surface Choke: 1"
<u>Anchor Makeup</u>	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): 31.07 FT <i>ID-3 1/4</i>	
Change Over: 1 FT	
Perforations: (below): 31 FT <i>4 1/2-FH</i>	



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Mud Properties

Mud Type: Chem **Weight:** 9.4 **Viscosity:** 56 **Filtrate:** 12.0 **Chlorides:** 10500 ppm



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Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
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Time	Orifice	PSI	MCF/D
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