



**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 #3 Formation: Arbuckle Test Interval: 3719 - 3740' Total Depth: 3740'**

Time On: 16:16 03/06 Time Off: 23:03 03/06  
 Time On Bottom: 18:12 03/06 Time Off Bottom: 21:12 03/06

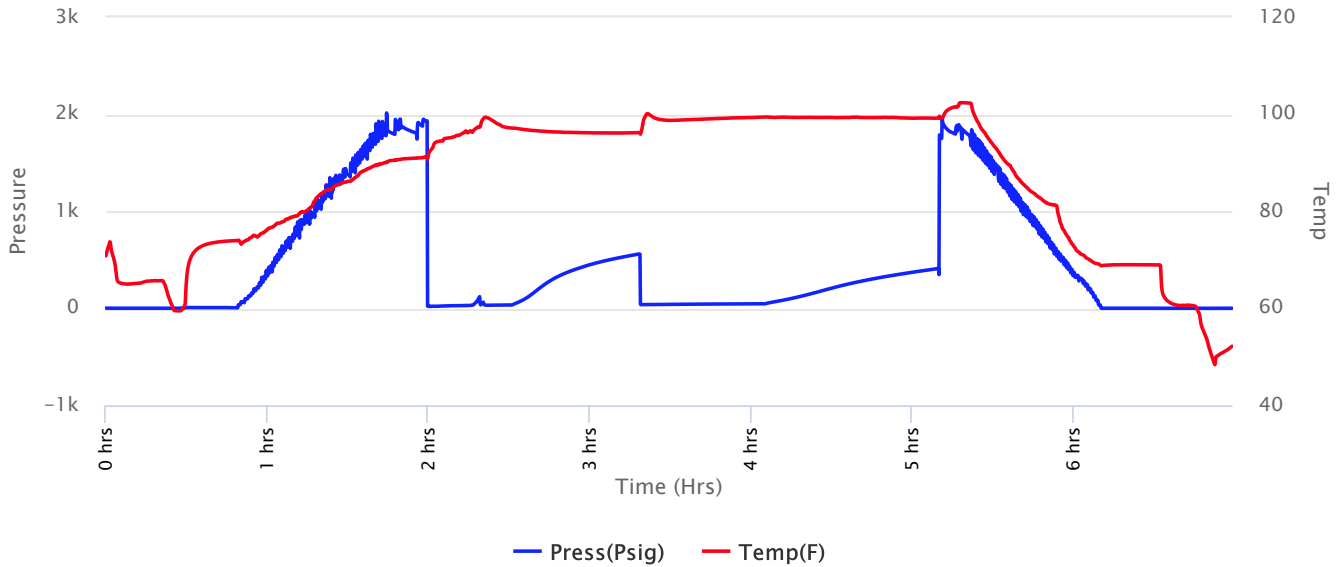
Electronic Volume Estimate:  
 72'

1st Open  
 Minutes: 30  
 5.2" at 30 min

1st Close  
 Minutes: 45  
 0" at 45 min

2nd Open  
 Minutes: 45  
 2.2" at 45 min

2nd Close  
 Minutes: 60  
 0" at 60 min





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Recovered

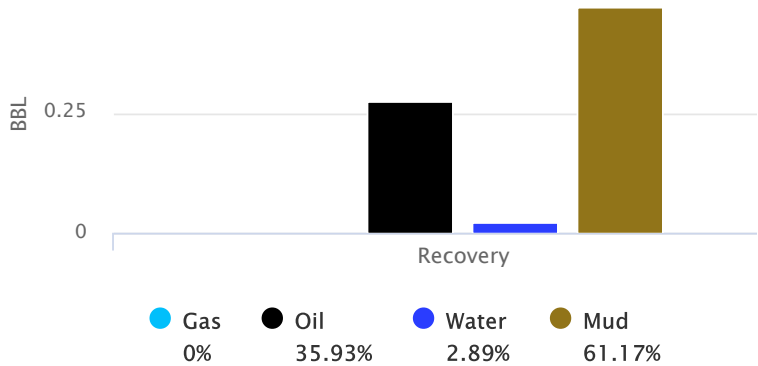
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
13	0.13338	O	0	100	0	0
31	0.31806	SLWCHOCM	0	40	5	55
31	0.31806	SLWCSLOCM	0	5	2	93

Total Recovered: 75 ft  
 Total Barrels Recovered: 0.7695

Reversed Out  
 NO

Initial Hydrostatic Pressure	1808	PSI
Initial Flow	22 to 34	PSI
<b>Initial Closed in Pressure</b>	<b>558</b>	<b>PSI</b>
Final Flow Pressure	37 to 47	PSI
<b>Final Closed in Pressure</b>	<b>410</b>	<b>PSI</b>
Final Hydrostatic Pressure	1801	PSI
Temperature	101	°F
Pressure Change Initial Close / Final Close	26.5	%

**Recovery at a glance**





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**REMARKS:**

- 1O. 1/4" Blow. Built to 5 1/4 inch 30 mins
- 1C. NOBB
- 2O. 1/4" Blow. Built to 2 1/4 inch in 45 mins
- 2C. NOBB

Tool Sample: 100% O

Gravity: 26 @ 60 degrees F



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**Down Hole Makeup**

<b>Heads Up:</b> 30.12 FT	<b>Packer 1:</b> 3714 FT
<b>Drill Pipe:</b> 3716.55 FT <i>ID-3 1/4</i>	<b>Packer 2:</b> 3719 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3703.42 FT
<b>Collars:</b> 0 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3721 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 21	<b>Surface Choke:</b> 1"
<b><u>Anchor Makeup</u></b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 0 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 0 FT	
<b>Drill Pipe: (in anchor):</b> 0 FT <i>ID-3 1/4</i>	
<b>Change Over:</b> 0 FT	
<b>Perforations: (below):</b> 20 FT <i>4 1/2-FH</i>	



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**Mud Properties**

**Mud Type:** Chem                      **Weight:** 9.5                      **Viscosity:** 72                      **Filtrate:** 11.2                      **Chlorides:** 11400 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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