



**Company: L. D. Drilling, Inc**  
**Lease: Kelli #4**

SEC: 30 TWN: 21S RNG: 12W  
 County: STAFFORD  
 State: Kansas  
 Drilling Contractor: L. D. Drilling, Inc -  
 Rig 1  
 Elevation: 1865 EST  
 Field Name: Gates  
 Pool: Infield  
 Job Number: 58

**DATE**  
 September  
**17**  
 2017

**DST #1 Formation: Lans B/F Test Interval: 3293 - 3385' Total Depth: 3385'**

Time On: 09:00 09/17 Time Off: 16:26 09/17  
 Time On Bottom: 11:27 09/17 Time Off Bottom: 14:27 09/17

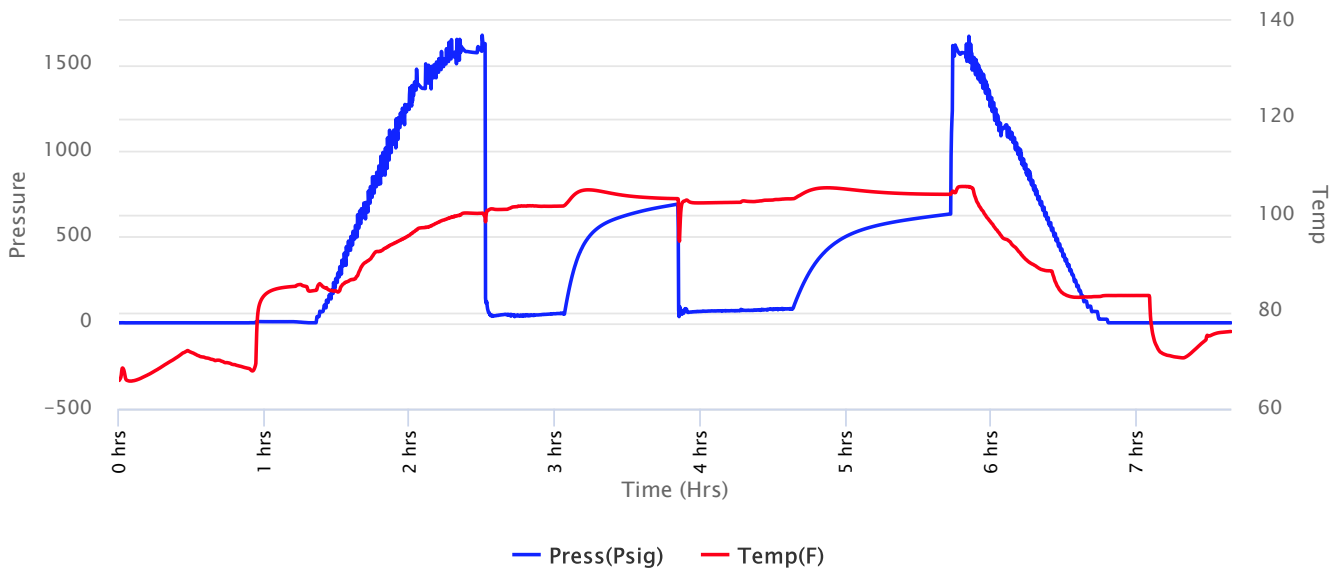
Electronic Volume Estimate:  
 N/A

1st Open  
 Minutes: 30  
 Gas at surface " at 30 min

1st Close  
 Minutes: 45  
 0" at 45 min

2nd Open  
 Minutes: 45  
 Gas at surface " at 45 min

2nd Close  
 Minutes: 60  
 .5" at 60 min





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Recovered

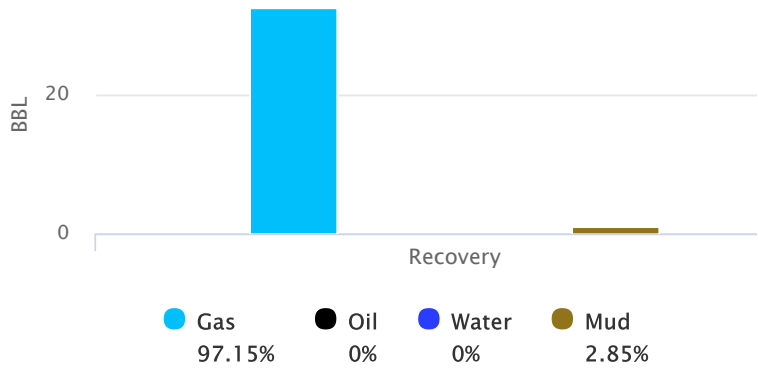
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
3137	32.18562	G	100	0	0	0
124	1.27224	GCM	25	0	0	75

Total Recovered: 3261 ft  
 Total Barrels Recovered: 33.45786

Reversed Out  
 NO

Initial Hydrostatic Pressure	1574	PSI
Initial Flow	38 to 51	PSI
<b>Initial Closed in Pressure</b>	<b>691</b>	<b>PSI</b>
Final Flow Pressure	37 to 83	PSI
<b>Final Closed in Pressure</b>	<b>634</b>	<b>PSI</b>
Final Hydrostatic Pressure	1579	PSI
Temperature	106	°F
Pressure Change Initial Close / Final Close	8.3	%

**Recovery at a glance**







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**Down Hole Makeup**

<b>Heads Up:</b> 19.76 FT	<b>Packer 1:</b> 3288.12 FT
<b>Drill Pipe:</b> 3280.31 FT <i>ID-3 1/4</i>	<b>Packer 2:</b> 3293.12 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3277.54 FT
<b>Collars:</b> 0 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3362 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> 91.88	<b>Surface Choke:</b> 1"
<u><b>Anchor Makeup</b></u>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> .5 FT	
<b>Drill Pipe: (in anchor):</b> 62.38 FT <i>ID-3 1/4</i>	
<b>Change Over:</b> 1 FT	
<b>Perforations: (below):</b> 24 FT <i>4 1/2-FH</i>	





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**Gas Volume Report**

Remarks: 10. GTS in 10 mins 20. GTS in 3 mins Gas Sample taken 15 mins into Second Opening

1st Open

Time	Orifice	PSI	MCF/D
15	0.125	3.0	4.84
20	0.125	4.0	5.64
25	0.125	8.0	8.30
30	0.125	12	10.5

2nd Open

Time	Orifice	PSI	MCF/D
5	0.125	13	11.0
10	0.125	14	11.6
15	0.125	17	13.1
20	0.125	17	13.1
25	0.125	18	13.5
30	0.125	18	13.5
35	0.125	18	13.5
40	0.125	18	13.5
45	0.125	18	13.5

