



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 EGL
 Field Name: Gates
 Pool: Infield
 Job Number: 58

DATE
 September
19
 2017

DST #4 Formation: Arbuckle Test Interval: 3588 - 3658' Total Depth: 3658'

Time On: 11:37 09/19 Time Off: 18:47 09/19
 Time On Bottom: 13:45 09/19 Time Off Bottom: 16:45 09/19

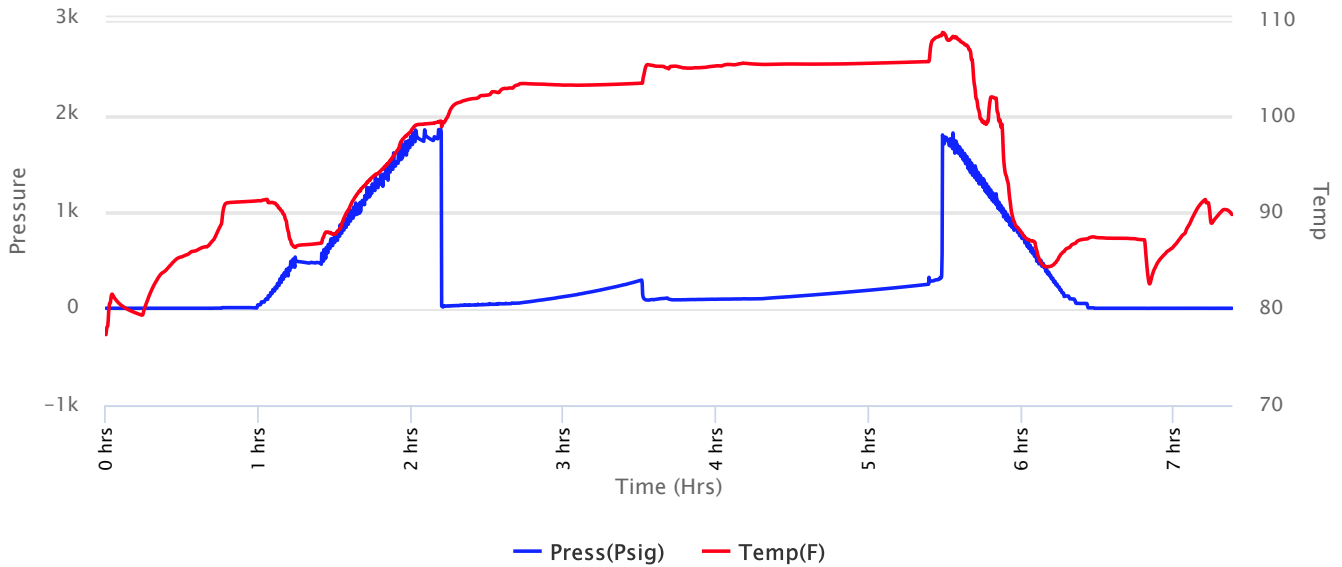
Electronic Volume Estimate:
 568'

1st Open
 Minutes: 30
 22.8" at 30 min

1st Close
 Minutes: 45
 2" at 45 min

2nd Open
 Minutes: 45
 37.2 " at 45 min

2nd Close
 Minutes: 60
 1.4" at 60 min





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Recovered

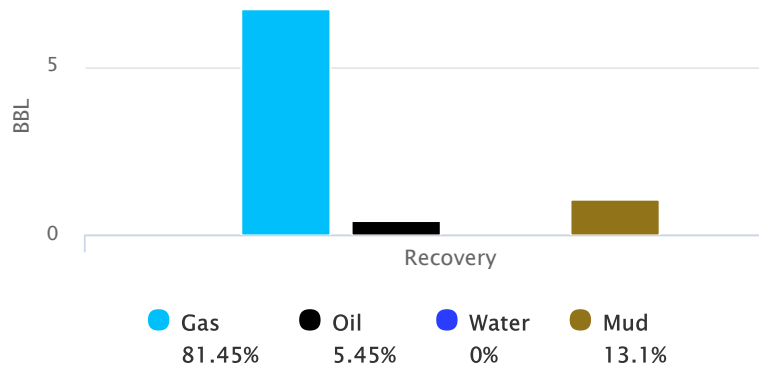
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
610	6.2586	G	100	0	0	0
10	0.1026	SLOCM	0	5	0	95
62	0.63612	SLOCHGCM	30	10	0	60
62	0.63612	OCHMCG	45	20	0	35
62	0.63612	HOCM	0	40	0	60

Total Recovered: 806 ft
 Total Barrels Recovered: 8.26956

Reversed Out
 NO

Initial Hydrostatic Pressure 1722 PSI
 Initial Flow 23 to 48 PSI
Initial Closed in Pressure 291 PSI
 Final Flow Pressure 90 to 101 PSI
Final Closed in Pressure 334 PSI
 Final Hydrostatic Pressure 1702 PSI
 Temperature 106 °F
 Pressure Change Initial Close / Final Close 0.0 %

Recovery at a glance





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DST #4 Formation: Arbuckle Test Interval: 3588 - Total Depth: 3658'
3658'

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REMARKS:

Bucket Blows

- 1O. WSB (BOB in 10 mins)
- 1C. 1 in bb
- 2O. 1" Blow (BOB in 12 1/2 mins)
- 2C. WBB

Tool Sample: 95 % O 5% M



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Down Hole Makeup

Heads Up: 5.86 FT	Packer 1: 3582.99 FT
Drill Pipe: 3561.28 FT <i>ID-3 1/4</i>	Packer 2: 3587.99 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3572.41 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 3623 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: 70.01	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 0 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 31.01 FT <i>ID-3 1/4</i>	
Change Over: 1 FT	
Perforations: (below): 36 FT <i>4 1/2-FH</i>	



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Mud Properties

Mud Type: Chem **Weight:** 8.9 Gas Cut **Viscosity:** 68 **Filtrate:** 11.2 **Chlorides:** 7900 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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