



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
18
 2017

DST #2 **Formation: L/KC H-I** **Test Interval: 3416 - 3460'** **Total Depth: 3460'**

Time On: 00:15 09/18 Time Off: 08:33 09/18
 Time On Bottom: 02:00 09/18 Time Off Bottom: 06:00 09/18

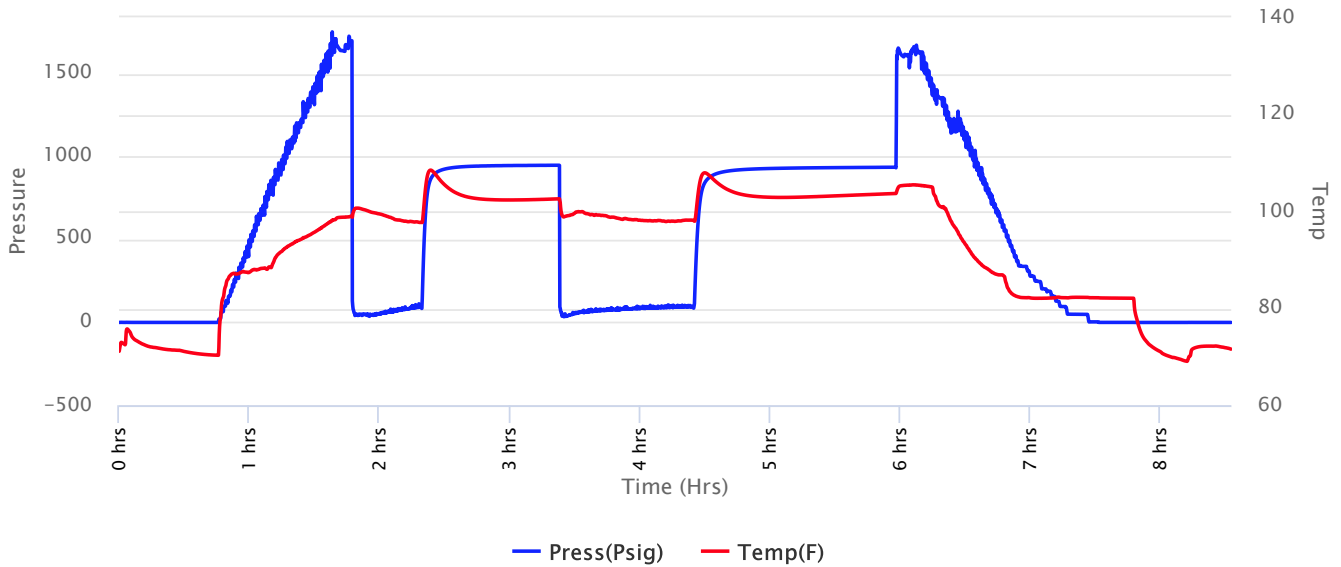
Electronic Volume
 Estimate:
 N/A

1st Open
 Minutes: 30
 GTS" at 30 min

1st Close
 Minutes: 60
 .2" at 60 min

2nd Open
 Minutes: 60
 GTS" at 60 min

2nd Close
 Minutes: 90
 6.7" at 90 min





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Recovered

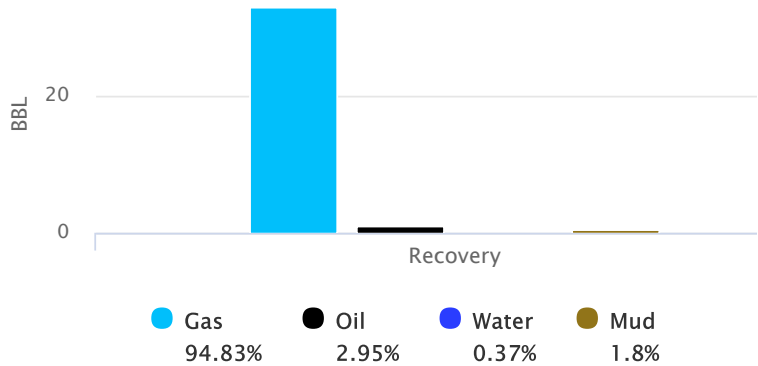
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
3198	32.81148	G	100	0	0	0
134	1.37484	SLWCSLGCHMCO	13	40	7	40
62	0.63612	SLWCSLGCSLMCO	5	75	5	12

Total Recovered: 3394 ft
 Total Barrels Recovered: 34.82244

Reversed Out
 NO

Initial Hydrostatic Pressure	1638	PSI
Initial Flow	42 to 98	PSI
Initial Closed in Pressure	949	PSI
Final Flow Pressure	38 to 98	PSI
Final Closed in Pressure	938	PSI
Final Hydrostatic Pressure	1635	PSI
Temperature	108	°F
Pressure Change Initial Close / Final Close	1.2	%

Recovery at a glance





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REMARKS:

1O. 1' Blow (BOB in 35 seconds) GTS in 7 1/2 mins

1C. WBB

2O. 8' Blow (BOB in 5 seconds) GTS

2C. 6 3/4 inch BB

Tool Sample: 5% G 85% O 7% W 3% M



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Down Hole Makeup

Heads Up: 21.78 FT	Packer 1: 3411 FT
Drill Pipe: 3405.21 FT <i>ID-3 1/4</i>	Packer 2: 3416 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3400.42 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 3453 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: 44	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 2 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 31.50 FT <i>ID-3 1/4</i>	
Change Over: 1 FT	
Perforations: (below): 8 FT <i>4 1/2-FH</i>	



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Mud Properties

Mud Type: Chem **Weight:** 9.2 **Viscosity:** 54 **Filtrate:** 9.2 **Chlorides:** 4800 ppm



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Gas Volume Report

Remarks: 10. Gas at surface in 7 1/2 mins 20. Gas at surface. Gas sample taken 15 min on second opening

1st Open

Time	Orifice	PSI	MCF/D
10	0.125	7.0	7.70
15	0.125	20	14.6
20	0.125	40	27.6
25	0.125	50	31.9
30	0.125	60	36.2

2nd Open

Time	Orifice	PSI	MCF/D
5	0.25	14	37.6
10	0.25	20	47.1
15	0.25	24	53.2
20	0.25	27	57.7
25	0.25	29	60.4
30	0.25	32	64.6
35	0.25	32	64.6
40	0.25	33	67.5
45	0.25	33	20.3
50	0.25	33	66.2
55	0.25	33	66.2
60	0.25	33	66.2

