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

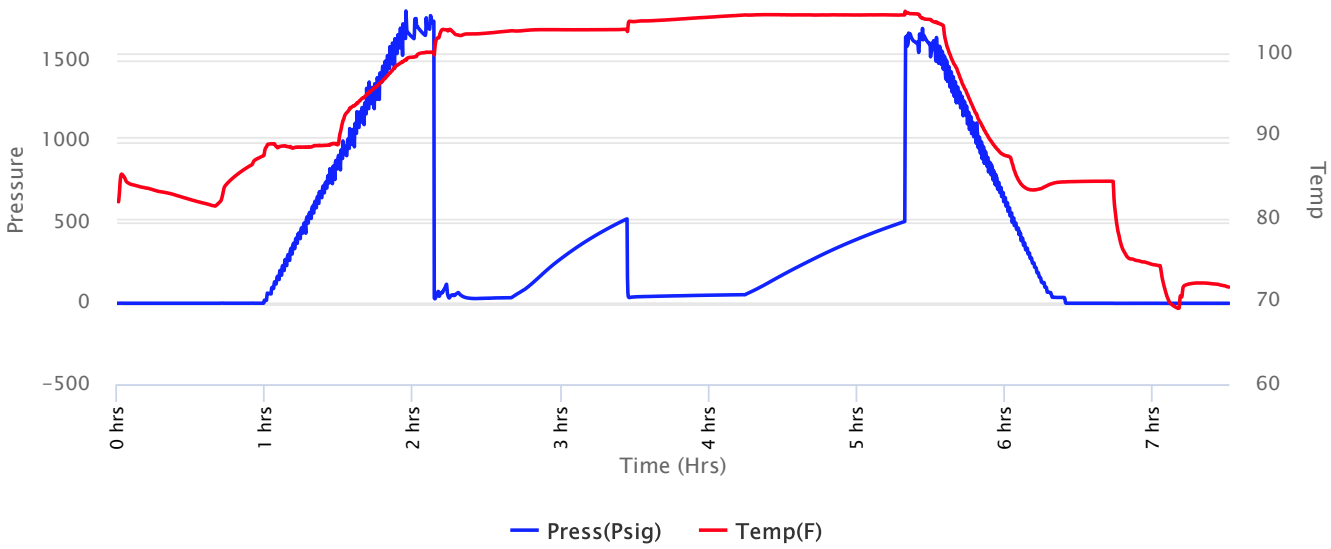
SEC: 30 TWN: 21S RNG: 12W
County: STAFFORD
State: Kansas
Drilling Contractor: L. D. Drilling, Inc - Rig 1
Elevation: 1865 EGL
Field Name: Gates
Pool: Infield
Job Number: 58

DATE
September
19
2017

DST #3 **Formation: L/KC J-L Con Sand** **Test Interval: 3456 - 3550'** **Total Depth: 3550'**

Time On: 19:31 09/18 Time Off: 02:49 09/19
Time On Bottom: 21:36 09/18 Time Off Bottom: 00:36 09/19

Electronic Volume Estimate:	1st Open Minutes: 30	1st Close Minutes: 45	2nd Open Minutes: 45	2nd Close Minutes: 60
511'	35.4" at 30 min	0" at 45 min	23.2 " at 45 min	0" at 60 min



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Recovered

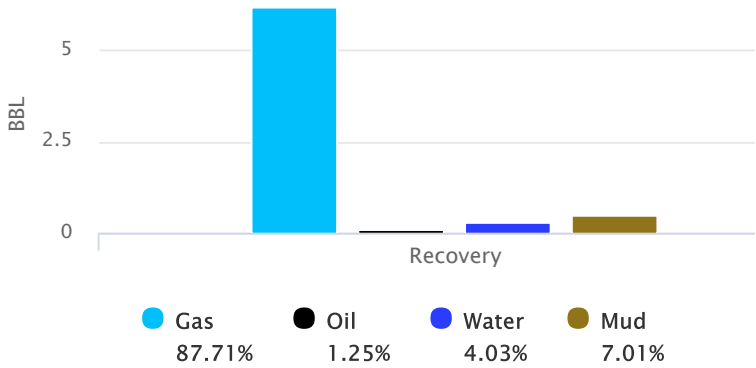
Foot	BBLS	Description of Fluid	Gas %	Oil %	Water %	Mud %
590	6.0534	G	100	0	0	0
48	0.49248	SLOCSLGCWCM	15	13	20	52
46	0.47196	SLOCSLGCHWCM	6	5	39	50

Total Recovered: 684 ft
Total Barrels Recovered: 7.01784

Reversed Out
NO

Initial Hydrostatic Pressure	1634	PSI
Initial Flow	28 to 35	PSI
Initial Closed in Pressure	**520**	**PSI**
Final Flow Pressure	37 to 53	PSI
Final Closed in Pressure	**506**	**PSI**
Final Hydrostatic Pressure	1630	PSI
Temperature	105	°F
Pressure Change Initial Close / Final Close	2.8	%

Recovery at a glance



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REMARKS:

1O. 1 inch Blow (BOB in 5 1/2 mins)
1C. NOBB
2O. 3 inch Blow (BOB in 10 mins)
2C. NOBB

Tool Sample: 10 % O 75% W 15% M

Ph: 7

RW: 70 @ .15 degrees F

Chlorides: 55,000 ppm

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Down Hole Makeup

Heads Up:	13.79 FT
Drill Pipe: *ID-3 1/4*	3437.34 FT
Weight Pipe: *ID-2 7/8*	0 FT
Collars: *ID-2 1/4*	0 FT
Test Tool: *ID-3 1/2-FH* *Jars* *Safety Joint*	33.57 FT
Total Anchor:	93.88

Anchor Makeup

Packer Sub:	1 FT
Perforations: (top): *4 1/2-FH*	3 FT
Change Over:	.5 FT
Drill Pipe: (in anchor): *ID-3 1/4*	62.38 FT
Change Over:	1 FT
Perforations: (below): *4 1/2-FH*	26 FT

Packer 1:	3451.12 FT
Packer 2:	3456.12 FT
Top Recorder:	3440.54 FT
Bottom Recorder:	3475 FT
Well Bore Size:	7 7/8
Surface Choke:	1"
Bottom Choke:	5/8"

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Mud Properties

Mud Type: Chem **Weight:** 9.3 **Viscosity:** 56 **Filtrate:** 11.2 **Chlorides:** 8100 ppm

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Gas Volume Report

1st Open

Time	Orifice	PSI	MCF/D

2nd Open

Time	Orifice	PSI	MCF/D