



Company: L. D. Drilling, Inc
Lease: Watt #4-10

SEC: 10 TWN: 16S RNG: 30W
 County: LANE
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc - Rig 1
 Elevation: 2731 EGL
 Field Name: Doll East
 Pool: Infield
 Job Number: 403
 API #: 15-101-22636-00-00

Operation:
 Uploading recovery & pressures

DATE
 November
05
 2019

DST #1 Formation: "K" Zone Test Interval: 4076 - Total Depth: 4104'
4104'

Time On: 12:06 11/05 Time Off: 20:06 11/05
 Time On Bottom: 14:30 11/05 Time Off Bottom: 17:30 11/05

Electronic Volume Estimate:
 1045'

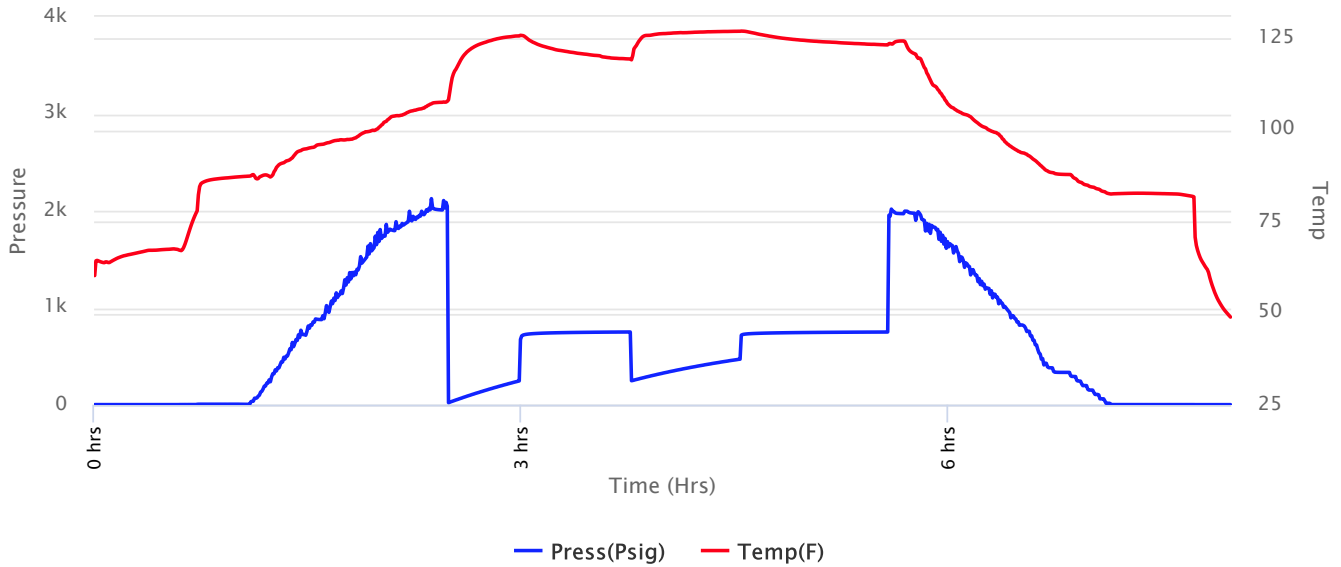
1st Open
 Minutes: 30
 Current Reading: 49.7" at 30 min
 Max Reading: 49.7"

1st Close
 Minutes: 45
 Current Reading: 0" at 45 min
 Max Reading: 0"

2nd Open
 Minutes: 45
 Current Reading: 52.0" at 45 min
 Max Reading: 52.0"

2nd Close
 Minutes: 60
 Current Reading: 0" at 60 min
 Max Reading: 0"

Inside Recorder





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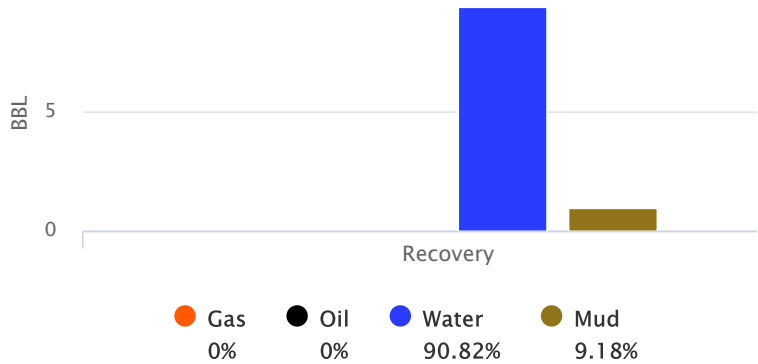
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
255	2.6163	MCW	0	0	74	26
440	4.5144	SLMCW	0	0	94	6
315	3.2319	W	0	0	100	0

Total Recovered: 1010 ft
 Total Barrels Recovered: 10.3626

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	2030	PSI
Initial Flow	21 to 246	PSI
Initial Closed in Pressure	750	PSI
Final Flow Pressure	247 to 469	PSI
Final Closed in Pressure	750	PSI
Final Hydrostatic Pressure	2017	PSI
Temperature	128	°F
Pressure Change Initial Close / Final Close	0.1	%

GIP cubic foot volume: 0



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BUCKET MEASUREMENT:

1st Open: 1/2" blow building to BOB 6 1/2 min.
1st Close: No BB
2nd Open: 1/4" blow building to BOB 9 1/2 min.
2nd Close: No BB

REMARKS:

Tool Sample: 0% Gas 0% Oil 94% Water 6% Mud
Ph: 7.0
Measured RW: .36 @ 55 degrees °F
RW at Formation Temp: 0.165 @ 128 °F
Chlorides: 28,000 ppm



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Down Hole Makeup

Heads Up: 19.94 FT	Packer 1: 4071 FT
Drill Pipe: 4063.37 FT <i>ID-3 1/4</i>	Packer 2: 4076 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4060.42 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 4078 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: 28	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 0 FT <i>4 1/2-FH</i>	
Change Over: 0 FT	
Drill Pipe: (in anchor): 0 FT <i>ID-3 1/4</i>	
Change Over: 0 FT	
Perforations: (below): 27 FT <i>4 1/2-FH</i>	



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Mud Properties

Mud Type: Chemical **Weight:** 9.4 **Viscosity:** 59 **Filtrate:** 10.4 **Chlorides:** 2,500 ppm



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Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D