Company: L. D. Drilling, Inc
Lease: Murphy #1-31

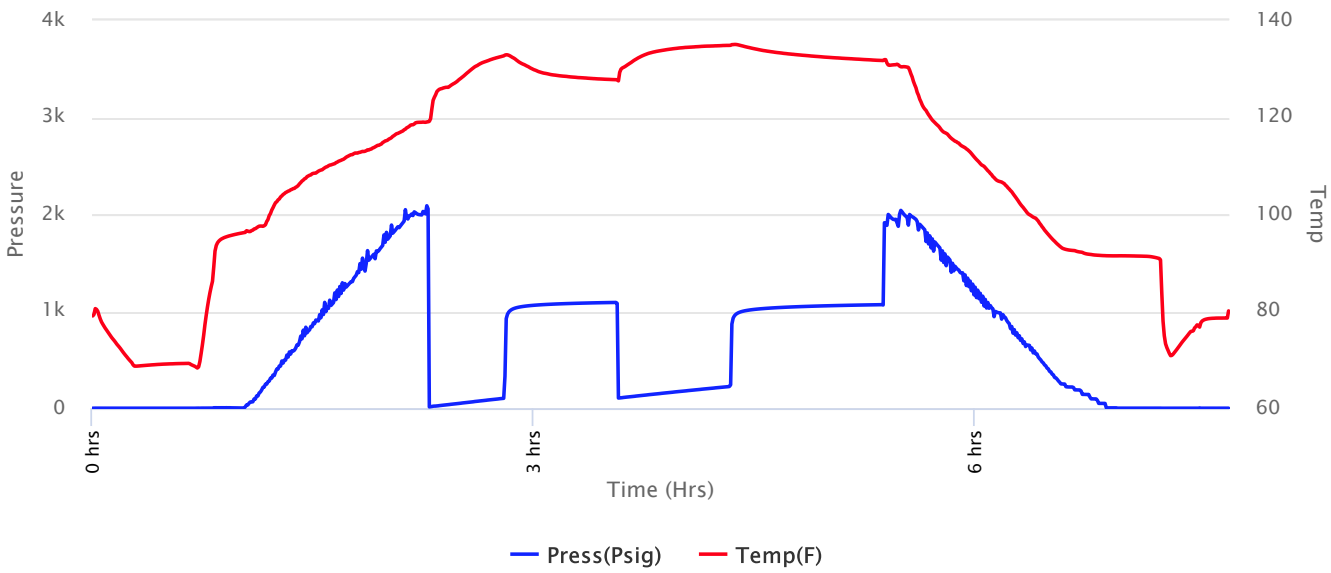
SEC: 31 TWN: 8S RNG: 31W
County: THOMAS
State: Kansas
Drilling Contractor: L. D. Drilling, Inc - Rig 1
Elevation: 3052 EGL
Field Name: Wildcat
Pool: Infield
Job Number: 140

DATE
May
22
2018

DST #2 **Formation: Lansing "B-D"** **Test Interval: 4108 - 4142'** **Total Depth: 4142'**

Time On: 02:50 05/22 Time Off: 10:21 05/22
Time On Bottom: 05:03 05/22 Time Off Bottom: 08:03 05/22

Electronic Volume Estimate:	1st Open Minutes: 30	1st Close Minutes: 45	2nd Open Minutes: 45	2nd Close Minutes: 60
437'	17.9" at 30 min	0" at 45 min	22.1" at 45 min	0" at 60 min



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Recovered

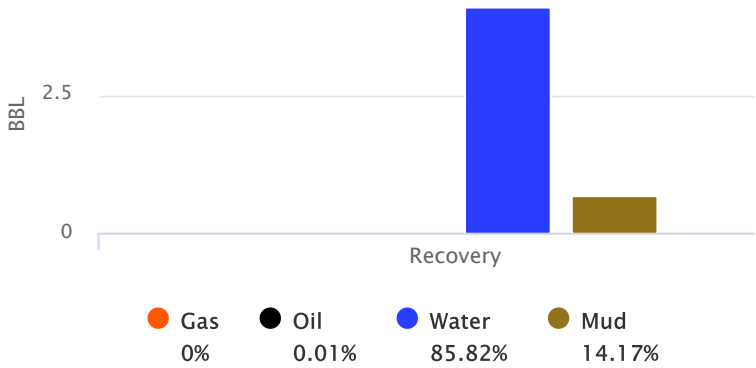
Foot	BBLS	Description of Fluid	Gas %	Oil %	Water %	Mud %
30	0.3078	MCW (trace O)	0	.1	73.9	26
185	1.8981	MCW	0	0	74	26
250	2.565	SLMCW	0	0	96	4

Total Recovered: 465 ft
Total Barrels Recovered: 4.7709

Reversed Out
NO

Initial Hydrostatic Pressure	2005	PSI
Initial Flow	14 to 103	PSI
Initial Closed in Pressure	**1091**	**PSI**
Final Flow Pressure	105 to 223	PSI
Final Closed in Pressure	**1068**	**PSI**
Final Hydrostatic Pressure	1999	PSI
Temperature	135	°F
Pressure Change Initial Close / Final Close	2.1	%

Recovery at a glance



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REMARKS:

IF: BOB 20 min.

ISI: No BB

FF: BOB 25 min.

FSI: Very weak surface BB

TOOL SAMPLE: TRACE OIL, 80% WATER, 20% MUD

Ph: 7.5

RW: .16 @ 76 degrees F

Chlorides: 39,000 ppm

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Down Hole Makeup

Heads Up:	12.93 FT
Drill Pipe: *ID-3 1/4*	4088.36 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:	34

Anchor Makeup

Packer Sub:	1 FT
Perforations: (top): *4 1/2-FH*	0 FT
Change Over:	0 FT
Drill Pipe: (in anchor): *ID-3 1/4*	0 FT
Change Over:	0 FT
Perforations: (below): *4 1/2-FH*	33 FT

Packer 1:	4103 FT
Packer 2:	4108 FT
Top Recorder:	4092.42 FT
Bottom Recorder:	4110 FT
Well Bore Size:	7 7/8
Surface Choke:	1"
Bottom Choke:	5/8"

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Mud Properties

Mud Type: Chemical **Weight:** 9.3 **Viscosity:** 54 **Filtrate:** 7.2 **Chlorides:** 2,000 ppm

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Gas Volume Report

1st Open

Time	Orifice	PSI	MCF/D

2nd Open

Time	Orifice	PSI	MCF/D