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

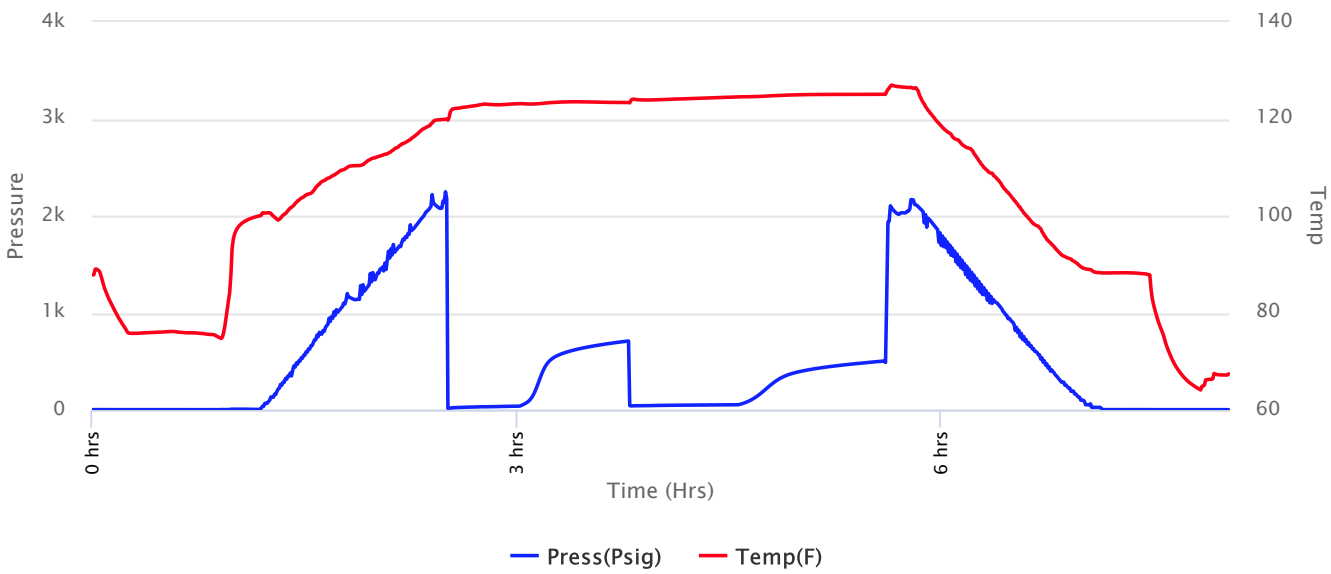
SEC: 31 TWN: 8S RNG: 31W
County: THOMAS
State: Kansas
Drilling Contractor: L. D. Drilling, Inc - Rig 1
Elevation: 3052 EGL
Field Name: Wildcat
Pool: Infield
Job Number: 140

DATE
May
24
2018

DST #4 **Formation: LKC "K&L"** **Test Interval: 4287 - 4355'** **Total Depth: 4355'**

Time On: 23:14 05/23 Time Off: 07:03 05/24
Time On Bottom: 01:40 05/24 Time Off Bottom: 04:40 05/24

Electronic Volume Estimate:	1st Open Minutes: 30	1st Close Minutes: 45	2nd Open Minutes: 45	2nd Close N/A
457'	21.6" at 30 min	0" at 45 min	18.4" at 45 min	



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Recovered

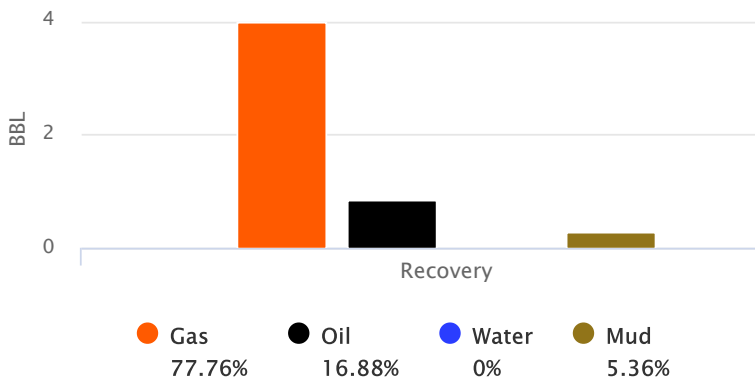
Foot	BBLS	Description of Fluid	Gas %	Oil %	Water %	Mud %
385	3.9501	G	100	0	0	0
75	0.7695	SLGCO	4	96	0	0
40	0.4104	SLGCHOCM	2	31	0	67

Total Recovered: 500 ft
Total Barrels Recovered: 5.13

Reversed Out
NO

Initial Hydrostatic Pressure	2077	PSI
Initial Flow	15 to 37	PSI
Initial Closed in Pressure	**709**	**PSI**
Final Flow Pressure	40 to 57	PSI
Final Closed in Pressure	**503**	**PSI**
Final Hydrostatic Pressure	2065	PSI
Temperature	126	°F
Pressure Change Initial Close / Final Close	29.1	%

Recovery at a glance



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REMARKS:

IF: BOB 14 1/2 min.

ISI: Very weak surface BB lasting 25-30 min.

FF: BOB 23 min.

FSI: No BB

TOOL SAMPLE: 100% OIL

Gravity: 34.8 @ 60 degrees F

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Down Hole Makeup

Heads Up:	21.34 FT
Drill Pipe: *ID-3 1/4*	4275.81 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:	67.96

Anchor Makeup

Packer Sub:	1 FT
Perforations: (top): *4 1/2-FH*	4 FT
Change Over:	1 FT
Drill Pipe: (in anchor): *ID-3 1/4*	30.96 FT
Change Over:	1 FT
Perforations: (below): *4 1/2-FH*	30 FT

Packer 1:	4282.04 FT
Packer 2:	4287.04 FT
Top Recorder:	4271.46 FT
Bottom Recorder:	4326 FT
Well Bore Size:	7 7/8
Surface Choke:	1"
Bottom Choke:	5/8"

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Mud Properties

Mud Type: Chemical **Weight:** 9.4 **Viscosity:** 53 **Filtrate:** 8.0 **Chlorides:** 4,000 ppm

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Gas Volume Report

1st Open

Time	Orifice	PSI	MCF/D

2nd Open

Time	Orifice	PSI	MCF/D