



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

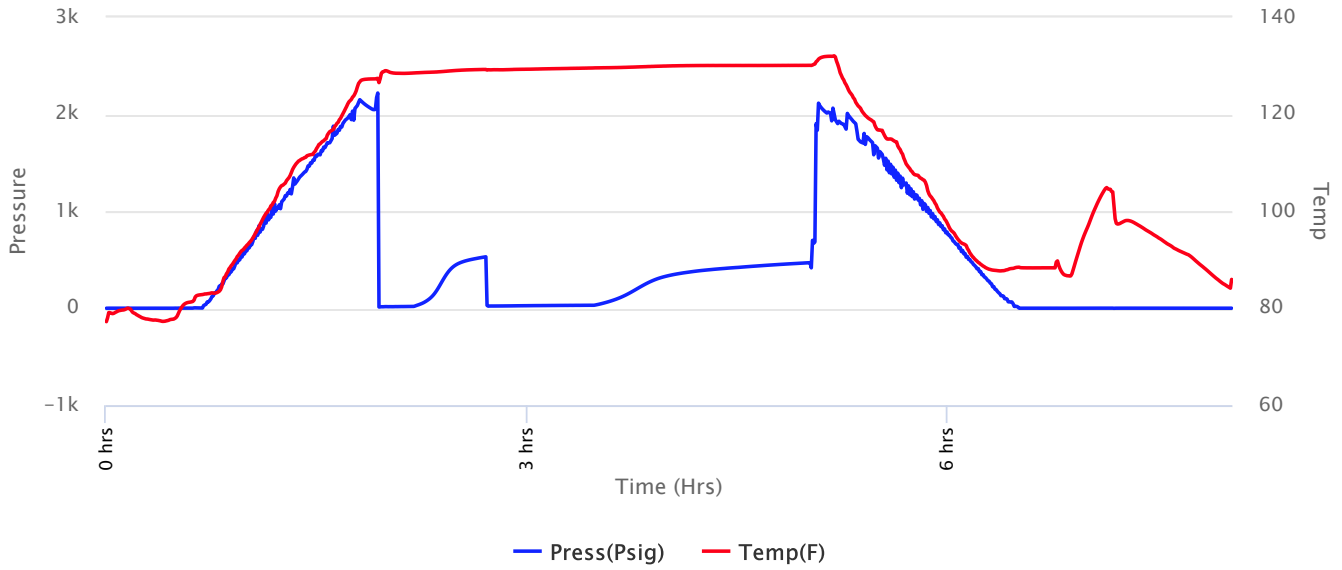
SEC: 31 TWN: 8S RNG: 31W
 County: THOMAS
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc -
 Rig 1
 Elevation: 3052 EGL
 Field Name: Wildcat
 Pool: Infield
 Job Number: 140

DATE
 May
24
 2018

DST #5 **Formation: LKC** **Test Interval: 4288 -** **Total Depth: 4355'**
 "K&L" **4355'**
 Time On: 09:56 05/24 Time Off: 17:44 05/24
 Time On Bottom: 11:49 05/24 Time Off Bottom: 14:49 05/24

Electronic Volume
 Estimate:
 262'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 15	Minutes: 30	Minutes: 45	Minutes: 90
8.0" at 15 min	0" at 30 min	14.6" at 45 min	0" at 90 min



— Press(Psig) — Temp(F)



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Recovered

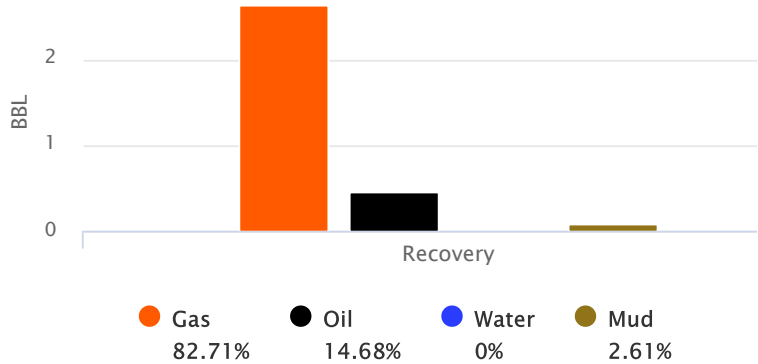
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
255	2.6163	G	100	0	0	0
40	0.4104	SLGCO	2	98	0	0
15	0.1539	SLGCHOCM	4	42	0	54

Total Recovered: 310 ft
 Total Barrels Recovered: 3.1806

Reversed Out
 NO

Initial Hydrostatic Pressure	2048	PSI
Initial Flow	13 to 20	PSI
Initial Closed in Pressure	531	PSI
Final Flow Pressure	22 to 31	PSI
Final Closed in Pressure	470	PSI
Final Hydrostatic Pressure	2046	PSI
Temperature	131	°F
Pressure Change Initial Close / Final Close	11.5	%

Recovery at a glance





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REMARKS:

IF: 8 inch blow
ISI: No BB
FF: BOB 35 1/2 min.
FSI: No BB

TOOL SAMPLE: 98% OIL, 2% MUD

Gravity: 34.5 @ 60 degrees F



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Down Hole Makeup

Heads Up: 20.34 FT	Packer 1: 4283.04 FT
Drill Pipe: 4275.81 FT <i>ID-3 1/4</i>	Packer 2: 4288.04 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4272.46 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 4326 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: 66.96	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 30.96 FT <i>ID-3 1/4</i>	
Change Over: 1 FT	
Perforations: (below): 30 FT <i>4 1/2-FH</i>	



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Mud Properties

Mud Type: Chemical	Weight: 9.5	Viscosity: 52	Filtrate: 10.4	Chlorides: 4,200 ppm
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Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
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Time	Orifice	PSI	MCF/D
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