



Company: Richlan Drilling
Lease: Hillery #1

SEC: 19 TWN: 15S RNG: 34W
 County: LOGAN
 State: Kansas
 Drilling Contractor: WW Drilling, LLC - Rig 10
 Elevation: 3136 EGL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 167

DATE
 June
14
 2018

DST #5 **Formation: Cherokee lime, johnson** **Test Interval: 4549 - 4640'** **Total Depth: 4640'**
 Time On: 05:45 06/14 Time Off: 15:35 06/14
 Time On Bottom: 10:05 06/14 Time Off Bottom: 13:05 06/14

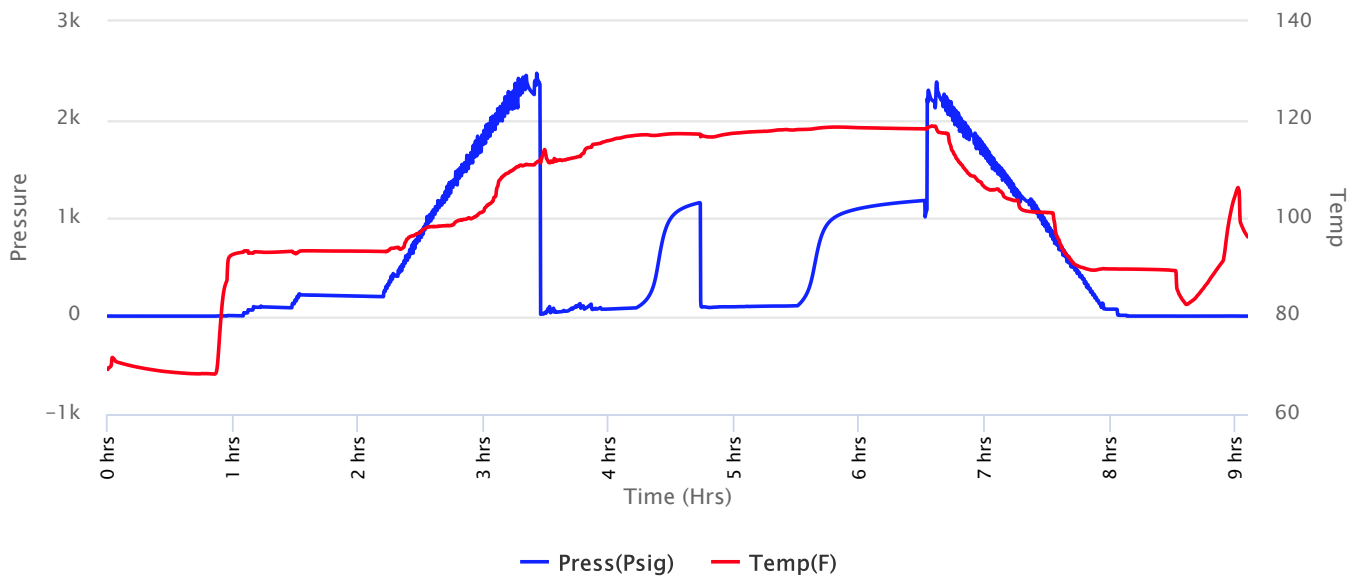
Electronic Volume Estimate:
 499'

1st Open
 Minutes: 45
 11" at 45 min

1st Close
 Minutes: 30
 1.75" at 30 min

2nd Open
 Minutes: 45
 18.5" at 45 min

2nd Close
 Minutes: 60
 .9" at 60 min





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Recovered

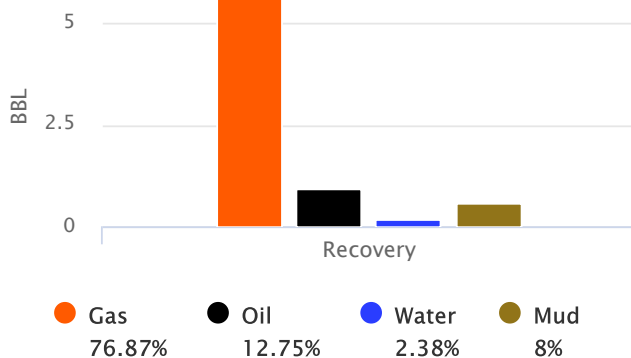
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
391	5.56393	G	100	0	0	0
50	0.7115	SLWCHMCO	0	60	10	30
63	0.4092977	SLWCHMCHOEG	5g	55	10	30
63	0.30996	SLWCHMCO	0	45	10	45
63	0.30996	SLWCSLGCHMCO	10	45	10	35

Total Recovered: 630 ft
 Total Barrels Recovered: 7.3046477

**Reversed Out
 NO**

Initial Hydrostatic Pressure	2310	PSI
Initial Flow	17 to 82	PSI
Initial Closed in Pressure	1153	PSI
Final Flow Pressure	93 to 104	PSI
Final Closed in Pressure	1176	PSI
Final Hydrostatic Pressure	2299	PSI
Temperature	119	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance





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REMARKS:

If:wsb built to 11" in 45min

Ic: 1 3/4" bb

Ff:1" Bob in 26min

Fc: .9" bb

Tool sample: 95o - 2w - 3m



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Down Hole Makeup

Heads Up: 20.09 FT	Packer 1: 4544 FT
Drill Pipe: 4358.19 FT <i>ID-3 1/2</i>	Packer 2: 4549 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 4533.42 FT
Collars: 178.33 FT <i>ID-2 1/4</i>	Bottom Recorder: 4620 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: 91	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): 64 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 21 FT <i>4 1/2-FH</i>	



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Cherokee lime,
johnson **4640'**
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Mud Properties

Mud Type: Chemical **Weight:** 9.3 **Viscosity:** 57 **Filtrate:** 8.0 **Chlorides:** 4500 ppm



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Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D

