



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
12
 2018

DST #3 **Formation: Marmaton** **Test Interval: 4347 - 4444'** **Total Depth: 4444'**
 Time On: 04:31 06/12 Time Off: 12:53 06/12
 Time On Bottom: 08:20 06/12 Time Off Bottom: 10:20 06/12

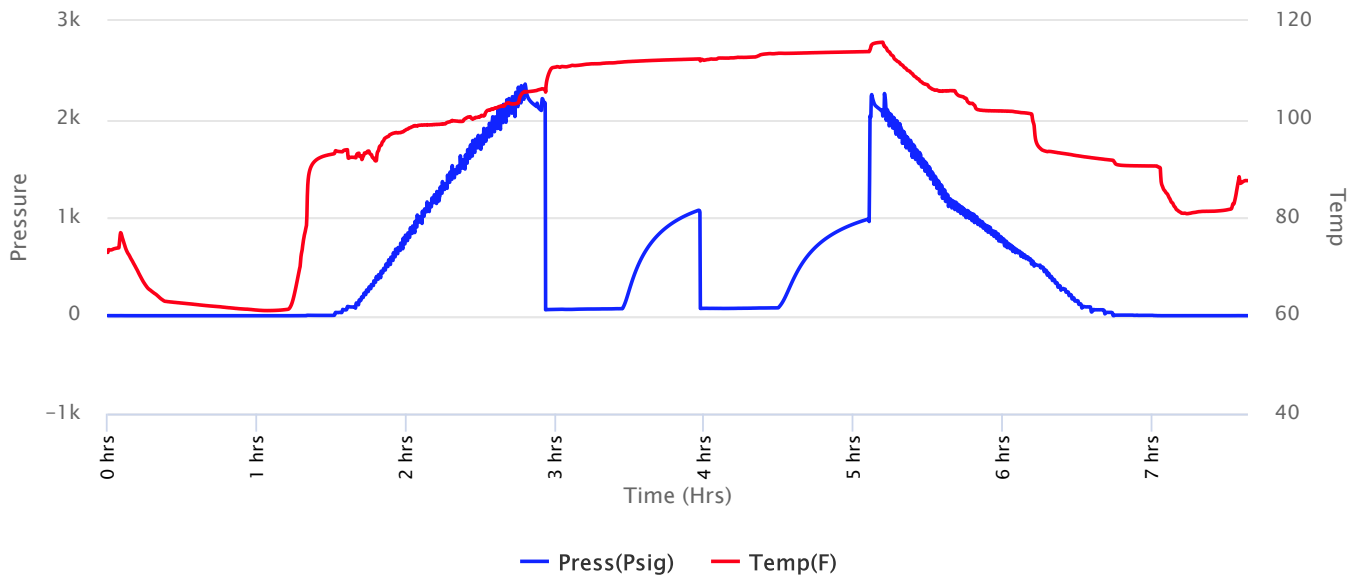
Electronic Volume Estimate:
 17'

1st Open
 Minutes: 30
 .5" at 30 min

1st Close
 Minutes: 30
 0" at 30 min

2nd Open
 Minutes: 30
 0" at 30 min

2nd Close
 Minutes: 30
 0" at 30 min





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Recovered

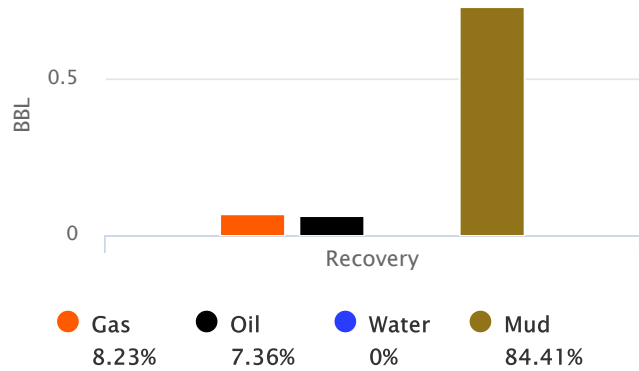
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
2	0.00984	O	0	100	0	0
48	0.23616	SLOCM	0	11	0	89
63	0.30996	SLGCSLOCM	3	5	0	92
63	0.30996	SLOGCM	20	4	0	76

Total Recovered: 176 ft
 Total Barrels Recovered: 0.86592

Reversed Out
NO

Initial Hydrostatic Pressure	2175	PSI
Initial Flow	58 to 69	PSI
Initial Closed in Pressure	1072	PSI
Final Flow Pressure	72 to 78	PSI
Final Closed in Pressure	984	PSI
Final Hydrostatic Pressure	2169	PSI
Temperature	114	°F
Pressure Change Initial Close / Final Close	8.3	%

Recovery at a glance





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REMARKS:

If:wsb built to 1/2" in 30min

Ic:nobb

Ff: no blow no build

Fc: nobb

Tool sample: 7o - 93m

Gravity: 27 @ 60 degrees F



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Down Hole Makeup

Heads Up: 33.16 FT	Packer 1: 4342 FT
Drill Pipe: 4169.26 FT <i>ID-3 1/2</i>	Packer 2: 4347 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 4331.42 FT
Collars: 178.33 FT <i>ID-2 1/4</i>	Bottom Recorder: 4417 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: 97	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 2 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): 28 FT <i>4 1/2-FH</i>	



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Mud Properties

Mud Type: Chemical	Weight: 9.0	Viscosity: 60	Filtrate: 9.6	Chlorides: 4400 ppm
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Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D

