



Company: Richlan Drilling
Lease: Hillery #1

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

DATE
 June
09
 2018

DST #1 **Formation: Toronto** **Test Interval: 3942 - 3990'** **Total Depth: 3990'**

Time On: 16:00 06/09 Time Off: 00:31 06/10
 Time On Bottom: 19:00 06/09 Time Off Bottom: 21:45 06/09

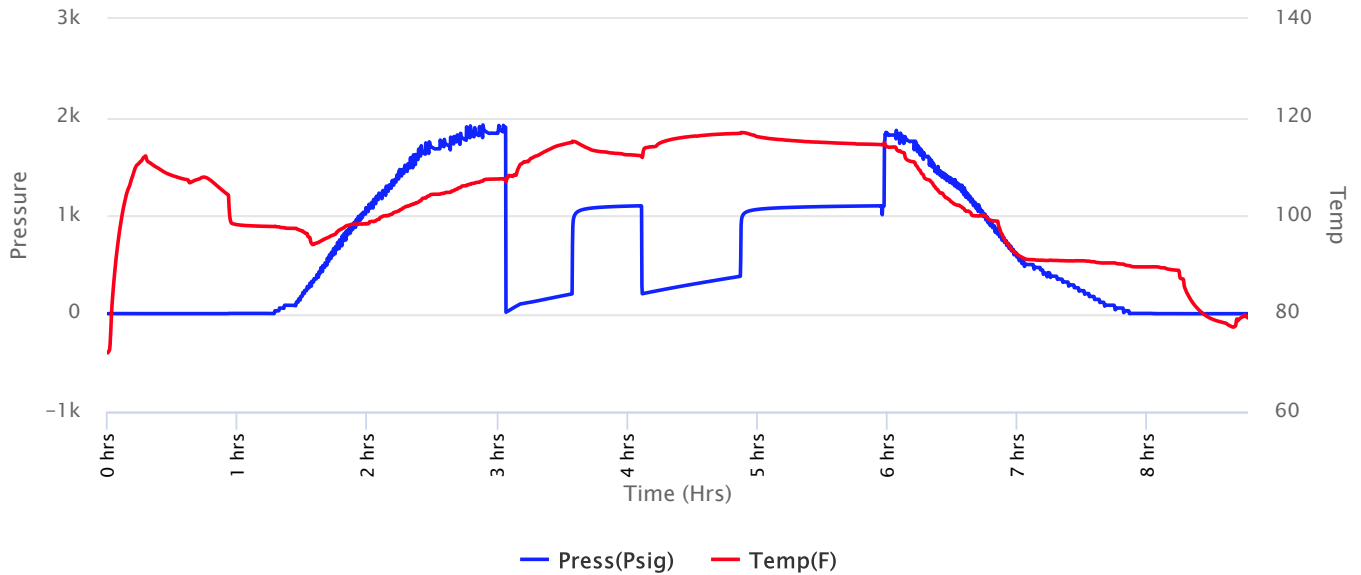
Electronic Volume Estimate:
 857'

1st Open
 Minutes: 30
 31.6" at 30 min

1st Close
 Minutes: 30
 0" at 30 min

2nd Open
 Minutes: 45
 42.2" at 45 min

2nd Close
 Minutes: 60
 0" at 60 min





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Recovered

<u>Foot</u>	<u>BBS</u>	<u>Description of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
156	2.21988	HMCW	0	0	50	50
189	2.68947	MCW	0	0	75	25
504	5.5116677	SLMCW	0	0	96	4

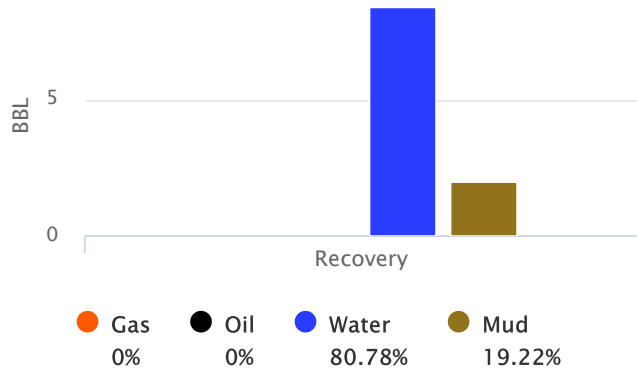
Total Recovered: 849 ft

Total Barrels Recovered: 10.4210177

Reversed Out
NO

Initial Hydrostatic Pressure	1844	PSI
Initial Flow	13 to 200	PSI
Initial Closed in Pressure	1093	PSI
Final Flow Pressure	202 to 378	PSI
Final Closed in Pressure	1097	PSI
Final Hydrostatic Pressure	1833	PSI
Temperature	117	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance





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REMARKS:

If: 1/4" Bob in 11min

Ic: nobb

Ff: wsb Bob in 12min

Fc: nobb

Tool sample: 98w - 2m oil spec

Ph: 7

RW: .3 @ 81 degrees F

Chlorides: 9000 ppm



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Down Hole Makeup

Heads Up: 26.04 FT	Packer 1: 3936.78 FT
Drill Pipe: 3764.33 FT <i>ID-3 1/2</i>	Packer 2: 3941.78 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3928.78 FT
Collars: 178.33 FT <i>ID-2 1/4</i>	Bottom Recorder: 3980 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 48.22	Surface Choke: 1"
<u>Anchor Makeup</u>	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): 31.22 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 11 FT <i>4 1/2-FH</i>	



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Mud Properties

Mud Type: Chemical	Weight: 8.7	Viscosity: 46	Filtrate: 6.4	Chlorides: 1800 ppm
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Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D

