



Company: Ritchie Exploration, Inc.

Lease: Ramsey Trust 15B #1

SEC: 15 TWN: 19S RNG: 31W
 County: SCOTT
 State: Kansas
 Drilling Contractor: WW Drilling, LLC - Rig 12
 Elevation: 2952 EGL
 Field Name: Grigston SW Ext
 Pool: Infield
 Job Number: 358
 API #: 15-171-21251

Operation:
 Uploading recovery & pressures

DATE
 June
25
 2019

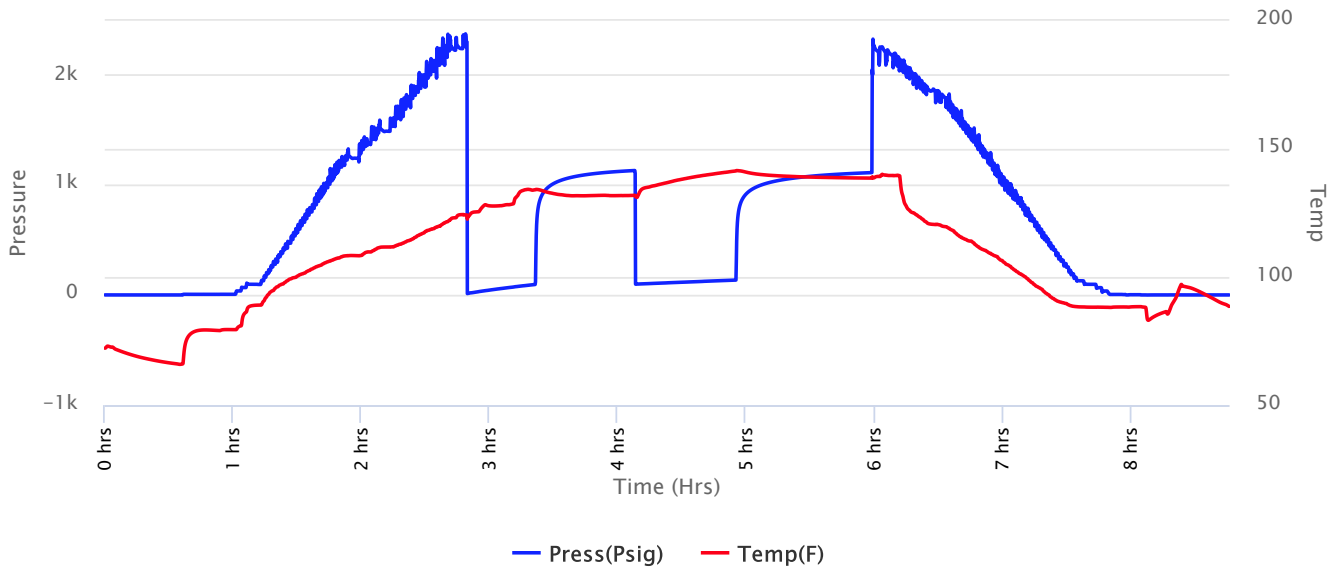
DST #8 Formation: Spergen Test Interval: 4596 - 4620' Total Depth: 4620'

Time On: 05:57 06/25 Time Off: 14:30 06/25
 Time On Bottom: 08:43 06/25 Time Off Bottom: 11:43 06/25

Electronic Volume Estimate:
 247'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 30	Minutes: 45	Minutes: 45	Minutes: 60
Current Reading: 5" at 30 min	Current Reading: 0" at 45 min	Current Reading: 5.3" at 45 min	Current Reading: 0" at 60 min
Max Reading: 5"	Max Reading: 0"	Max Reading: 5.3"	Max Reading: 0"

Inside Recorder





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Recovered

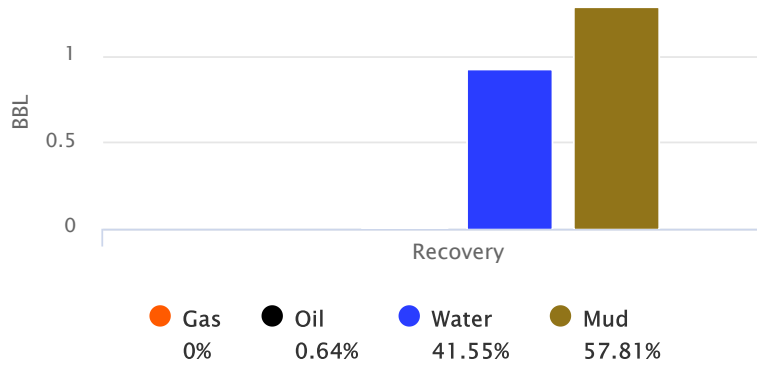
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
1	0.01423	O	0	100	0	0
88	1.25224	SLWCM	0	0	5	95
189	0.956879	SLMCW	0	0	90	10

Total Recovered: 278 ft
 Total Barrels Recovered: 2.223349

Reversed Out
 NO

Initial Hydrostatic Pressure	2221	PSI
Initial Flow	12 to 95	PSI
Initial Closed in Pressure	1129	PSI
Final Flow Pressure	98 to 135	PSI
Final Closed in Pressure	1110	PSI
Final Hydrostatic Pressure	2222	PSI
Temperature	142	°F
Pressure Change Initial Close / Final Close	1.7	%

Recovery at a glance



GIP cubic foot volume: 0



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BUCKET MEASUREMENT:

1st Open: 1/4" Blow. Built to 5 inches in 30 mins.
1st Close: NOBB
2nd Open: Weak Blow. Built to 5 1/4 inch in 45 mins
2nd Close: NOBB

REMARKS:

Tool Sample: 0% Gas 1% Oil 49% Water 50% Mud
Gravity: 31.8 @ 60 °F
Ph: 7
Measured RW: .44 @ 88 degrees °F
RW at Formation Temp: 0.28 @ 142 °F
Chlorides: 16000 ppm



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Down Hole Makeup

Heads Up: 11.42 FT	Packer 1: 4591 FT
Drill Pipe: 4388.75 FT <i>ID-3 1/2</i>	Packer 2: 4596 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 4580.42 FT
Collars: 186.1 FT <i>ID-2 1/4</i>	Bottom Recorder: 4598 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: 24	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): FT <i>4 1/2-FH</i>	
Change Over: FT	
Drill Pipe: (in anchor): FT <i>ID-3 1/2</i>	
Change Over: FT	
Perforations: (below): 23 FT <i>4 1/2-FH</i>	



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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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