



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

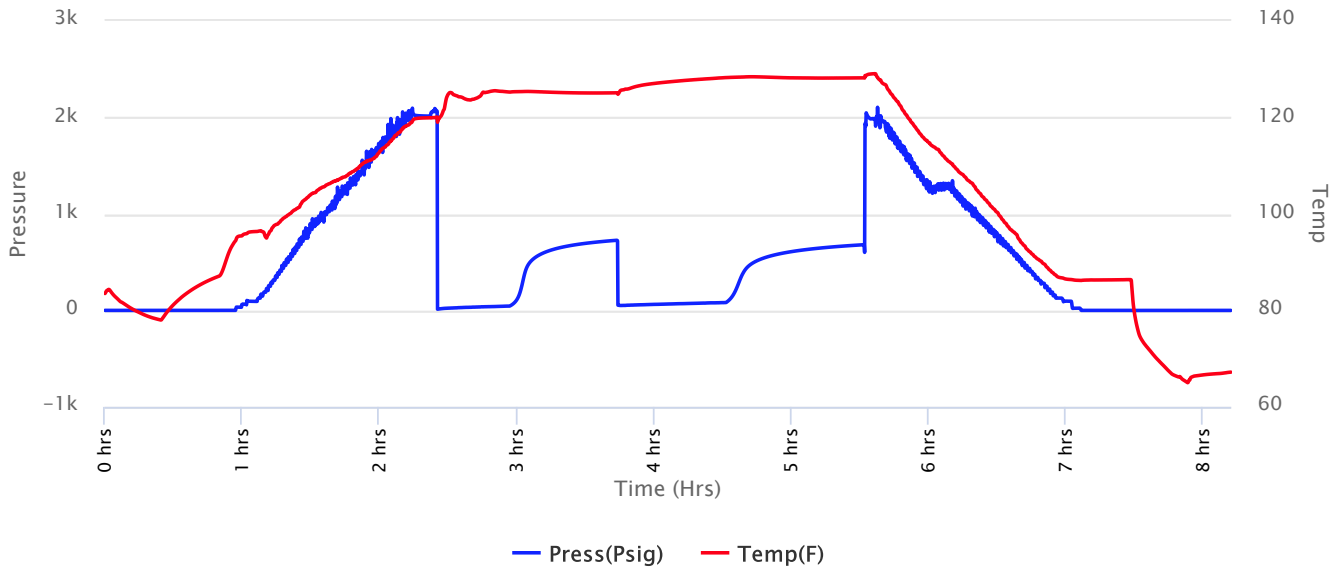
DATE
 June
19
 2019

DST #2 **Formation: Lans I** **Test Interval: 4182 - 4210'** **Total Depth: 4210'**
 Time On: 19:28 06/19 Time Off: 03:26 06/20
 Time On Bottom: 21:49 06/19 Time Off Bottom: 00:49 06/20

Electronic Volume Estimate:
 230'

<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: 3.2" at 30 min	Current Reading: 0" at 45 min	Current Reading: 5.3" at 45 min	Current Reading: .1" at 60 min
Max Reading: 3.2"	Max Reading: 1.2"	Max Reading: 5.3"	Max Reading: .1"

Inside Recorder





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Recovered

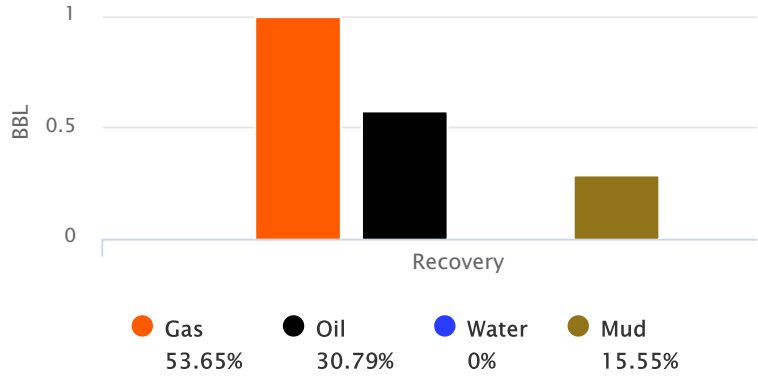
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
73	0.972689	G	100	0	0	0
116	0.57072	O	0	100	0	0
63	0.30996	SLGCM	7	0	0	93

Total Recovered: 252 ft
 Total Barrels Recovered: 1.853369

Reversed Out
 NO

Initial Hydrostatic Pressure	2013	PSI
Initial Flow	12 to 45	PSI
Initial Closed in Pressure	726	PSI
Final Flow Pressure	51 to 82	PSI
Final Closed in Pressure	681	PSI
Final Hydrostatic Pressure	2011	PSI
Temperature	129	°F
Pressure Change Initial Close / Final Close	6.3	%

Recovery at a glance



GIP cubic foot volume: 5.58298



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BUCKET MEASUREMENT:

1st Open: WSB. Built to 3 1/4 inch in 30 mins
1st Close: NOBB
2nd Open: WSB. Built to 5 1/4 inch in 45 mins
2nd Close: Weak Surface Below

REMARKS:

Tool Sample: 10% Gas 10% Oil 0% Water 80% Mud

Gravity: 29 @ 60 °F



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Down Hole Makeup

Heads Up: 19.23 FT	Packer 1: 4177 FT
Drill Pipe: 3982.56 FT <i>ID-3 1/2</i>	Packer 2: 4182 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 4166.42 FT
Collars: 186.1 FT <i>ID-2 1/4</i>	Bottom Recorder: 4184 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: 28	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): 27 FT <i>4 1/2-FH</i>	



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Mud Properties

Mud Type: Chem **Weight:** 9.2 **Viscosity:** 54 **Filtrate:** 6.8 **Chlorides:** 2000 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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