



Company: Ritchie Exploration, Inc.

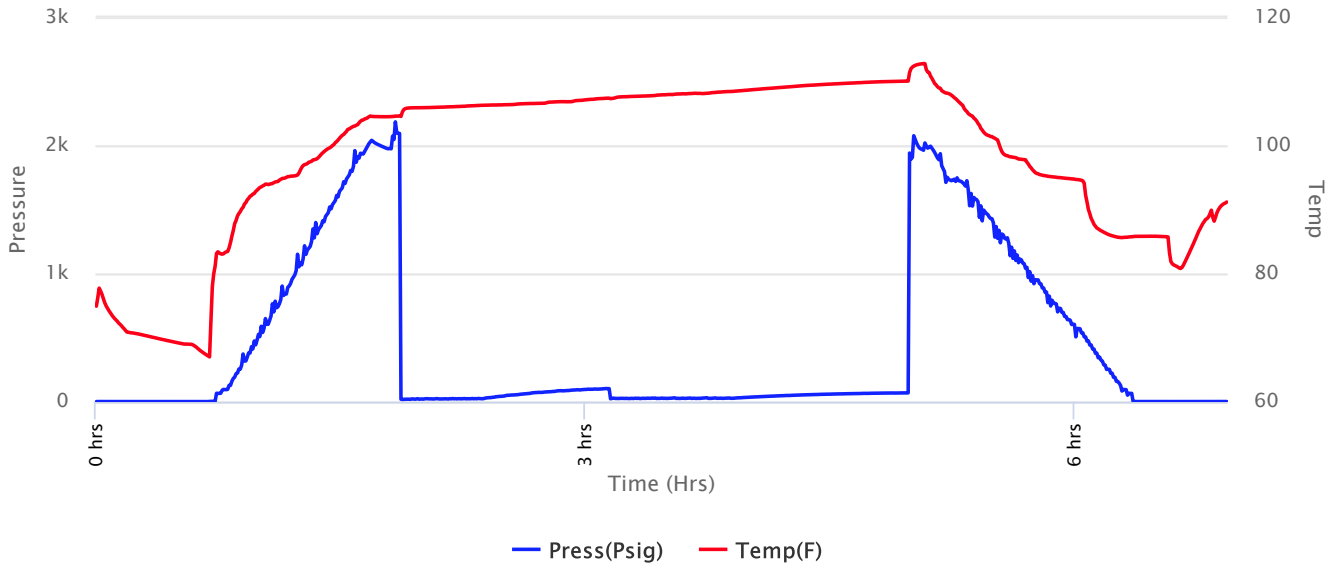
Lease: Seymour-Morrill #1

SEC: 2 TWN: 22S RNG: 18W
 County: PAWNEE
 State: Kansas
 Drilling Contractor: Sterling Drilling Company - Rig 5
 Elevation: 2043 EGL
 Field Name: Eddy NW
 Pool: Infield
 Job Number: 55

DATE
 September
12
 2017

DST #4 **Formation: Cherokee "B"** **Test Interval: 4122 - 4140'** **Total Depth: 4140'**
 Time On: 07:22 09/12 Time Off: 14:07 09/12
 Time On Bottom: 09:10 09/12 Time Off Bottom: 12:10 09/12

Electronic Volume Estimate: 305'	<u>1st Open</u> Minutes: 30 11.5" at 30 min	<u>1st Close</u> Minutes: 45 0" at 45 min	<u>2nd Open</u> Minutes: 45 8.0" at 45 min	<u>2nd Close</u> Minutes: 60 0" at 60 min
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Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
360	2.75807925	G	100	0	0	0
20	0.1096	M (trace O)	0	.1	0	100

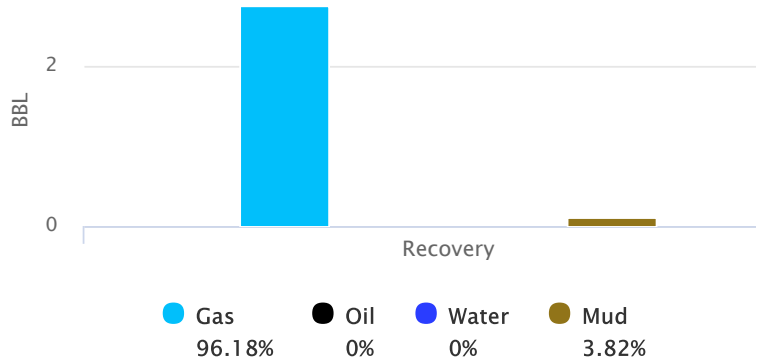
Total Recovered: 380 ft

Total Barrels Recovered: 2.86767925

Reversed Out
NO

Initial Hydrostatic Pressure	1974	PSI
Initial Flow	19 to 24	PSI
Initial Closed in Pressure	102	PSI
Final Flow Pressure	23 to 29	PSI
Final Closed in Pressure	69	PSI
Final Hydrostatic Pressure	1974	PSI
Temperature	111	°F
Pressure Change Initial Close / Final Close	33.0	%

Recovery at a glance





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REMARKS:

IF: 11 1/2 inches
ISI: Surface BB
FF: 8 inches
FSI: Surface BB

TOOL SAMPLE: TRACE OIL, 100% MUD



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Down Hole Makeup

Heads Up: 13.44 FT	Packer 1: 4117 FT
Drill Pipe: 3887.12 FT <i>ID-3 1/4</i>	Packer 2: 4122 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4106.42 FT
Collars: 215.75 FT <i>ID-2 3/8</i>	Bottom Recorder: 4124 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: 18	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 0 FT <i>4 1/2-FH</i>	
Change Over: 0 FT	
Drill Pipe: (in anchor): 0 FT <i>ID-3 1/4</i>	
Change Over: 0 FT	
Perforations: (below): 17 FT <i>4 1/2-FH</i>	



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Mud Properties

Mud Type: Chemical **Weight:** 9.4 **Viscosity:** 66 **Filtrate:** 10.4 **Chlorides:** 5,100 ppm