



Company: Ritchie Exploration, Inc.

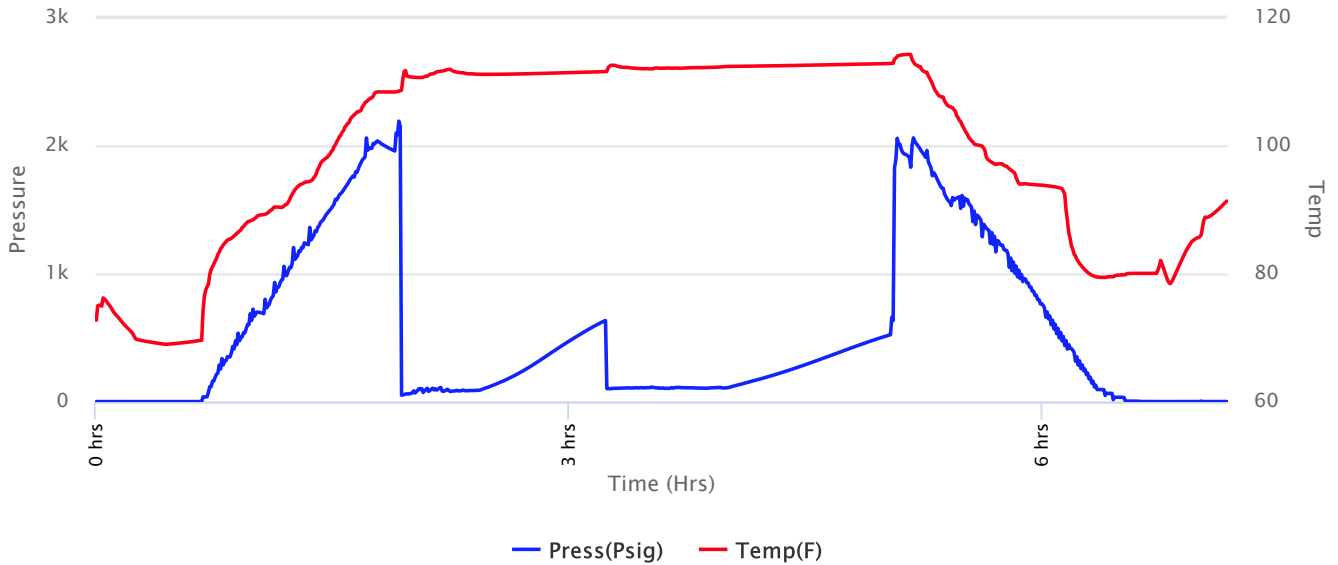
Lease: Seymour-Morrill #1

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
13
 2017

DST #6 **Formation: Kinderhook** **Test Interval: 4120 - 4186'** **Total Depth: 4186'**
 Time On: 04:06 09/13 Time Off: 11:05 09/13
 Time On Bottom: 05:59 09/13 Time Off Bottom: 08:59 09/13

Electronic Volume Estimate: 216'	<u>1st Open</u> Minutes: 30 6.4" at 30 min	<u>1st Close</u> Minutes: 45 0" at 45 min	<u>2nd Open</u> Minutes: 45 4.6" 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 %
185	1.79907925	M	100	0	0	0
70	0.3836	M	0	0	0	100
125	0.685	SLOCSLGCM	9	2	0	89

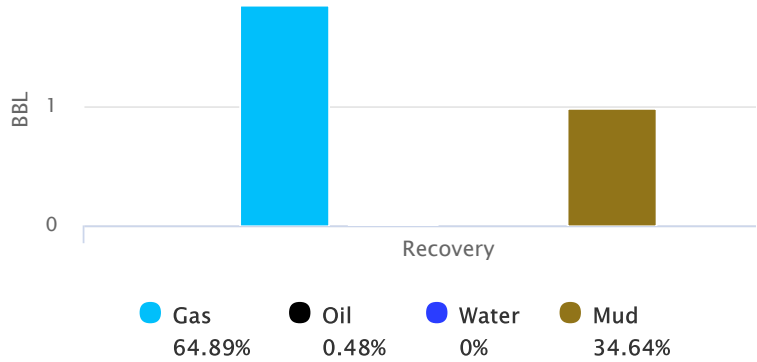
Total Recovered: 380 ft

Total Barrels Recovered: 2.86767925

Reversed Out
NO

Initial Hydrostatic Pressure	1957	PSI
Initial Flow	51 to 90	PSI
Initial Closed in Pressure	634	PSI
Final Flow Pressure	102 to 112	PSI
Final Closed in Pressure	523	PSI
Final Hydrostatic Pressure	1946	PSI
Temperature	113	°F
Pressure Change Initial Close / Final Close	17.4	%

Recovery at a glance





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REMARKS:

IF: 6 1/2 inches
ISI: No BB
FF: 4 1/2 inches
FSI: No BB

TOOL SAMPLE: 3% GAS, 2% OIL, 95% MUD



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Down Hole Makeup

Heads Up: 15.31 FT	Packer 1: 4115.12 FT
Drill Pipe: 3887.11 FT <i>ID-3 1/4</i>	Packer 2: 4120.12 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4104.54 FT
Collars: 215.75 FT <i>ID-2 3/8</i>	Bottom Recorder: 4159 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: 65.88	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): 31.88 FT <i>ID-3 1/4</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: 9.4	Viscosity: 66	Filtrate: 10.4	Chlorides: 5,100 ppm
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