

Operation:
Uploading recovery &
pressures

Company: Ritchie Exploration,

Inc.

Lease: Anderson-Schwartz

Trust #1

SEC: 32 TWN: 19S RNG: 30W

County: LANE State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 12

Elevation: 2930 EGL

Field Name: Sutton Township

Pool: Infield Job Number: 312

DATEMarch **06**2019

DST #1 Formation: Lansing Test Inter "H&I" 42

Test Interval: 4164 - 4240'

Total Depth: 4240'

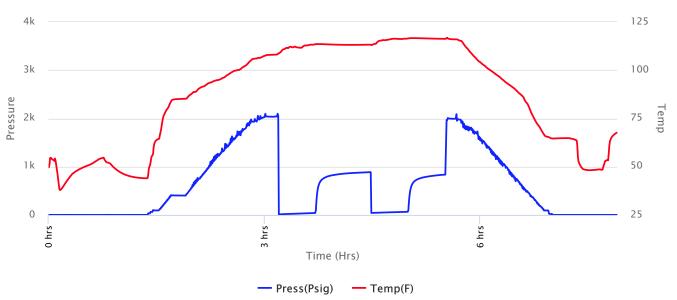
Time On: 07:21 03/06 Time Off: 15:02 03/06

Time On Bottom: 10:27 03/06 Time Off Bottom: 12:42 03/06

Electronic Volume Estimate: 127' 1st Open Minutes: 30 Current Reading: 2.1" at 30 min Max Reading: 2.1" 1st Close Minutes: 45 Current Reading: 0" at 45 min Max Reading: 0"

2nd Open Minutes: 30 Current Reading: 1.9" at 30 min Max Reading: 1.9" 2nd Close Minutes: 30 Current Reading: 0" at 30 min Max Reading: 0"

Inside Recorder





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Recovered

<u>Foot</u>	BBLS	Description of Fluid	<u>Gas %</u>	<u>Oil %</u>	Water %	<u>Mud %</u>
30	0.1476	M (trace O)	0	.2	0	99.8
60	0.2952	M	0	0	0	100

Total Recovered: 90 ft

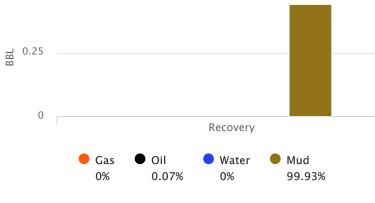
Total Barrels Recovered: 0.4428

Reversed Out
NO

Initial Hydrostatic Pressure	2039	PSI
Initial Flow	12 to 41	PSI
Initial Closed in Pressure	887	PSI
Final Flow Pressure	42 to 66	PSI
Final Closed in Pressure	836	PSI
Final Hydrostatic Pressure	2009	PSI
Temperature	117	°F
Pressure Change Initial	5.7	%
Oleve / Elevel Oleve		

Close / Final Close GIP cubi

Recovery at a glance



GIP cubic foot volume: 0



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BUCKET MEASUREMENT:

Diesel in Bucket

1st Open: 1/4" blow building to 2 14"

1st Close: No BB

2nd Open: Surface blow building to 1 12"

2nd Close: No BB

REMARKS:

Tool Sample: 0% Gas 1% Oil 0% Water 99% Mud



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Down Hole Makeup

Heads Up: 10.68 FT **Packer 1:** 4158.84 FT

Drill Pipe: 3955.74 FT **Packer 2:** 4163.84 FT

ID-3 1/2 Top Recorder: 4148.26 FT

Weight Pipe: 0 FT

ID-2 7/8 Bottom Recorder: 4202 FT

Collars: 186.21 FT Well Bore Size: 7 7/8

ID-2 1/4 Surface Choke: 1"

Test Tool: 33.57 FT Bottom Choke: 5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 76.16

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 3 FT

4 1/2-FH

Change Over: 1 FT

Drill Pipe: (in anchor): 31.16 FT

ID-3 1/2

Change Over: 1 FT

Perforations: (below): 39 FT

4 1/2-FH



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Mud Properties

Mud Type: Chemical Weight: 9.3 Viscosity: 49 Filtrate: 8.0 Chlorides: 3,000 ppm



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Gas Volume Report

1st Open			2nd Open				
Time	Orifice	PSI	MCF/D	Time	Orifice	PSI	MCF/D