



**Company: Black Stone
Petroleum, LLC
Lease: SWOB #3**

SEC: 26 TWN: 18S RNG: 16W
County: RUSH
State: Kansas
Drilling Contractor: Landmark Drilling,
LLC - Rig 6
Elevation: 1941 EGL
Field Name: Otis-Albert
Pool: Infield
Job Number: 18

DATE
July
09
2017

DST #2 Formation: Reagan Test Interval: 3528 - 3564' Total Depth: 3644'

Time On: 14:26 07/09 Time Off: 23:35 07/09
Time On Bottom: 17:57 07/09 Time Off Bottom: 20:25 07/09

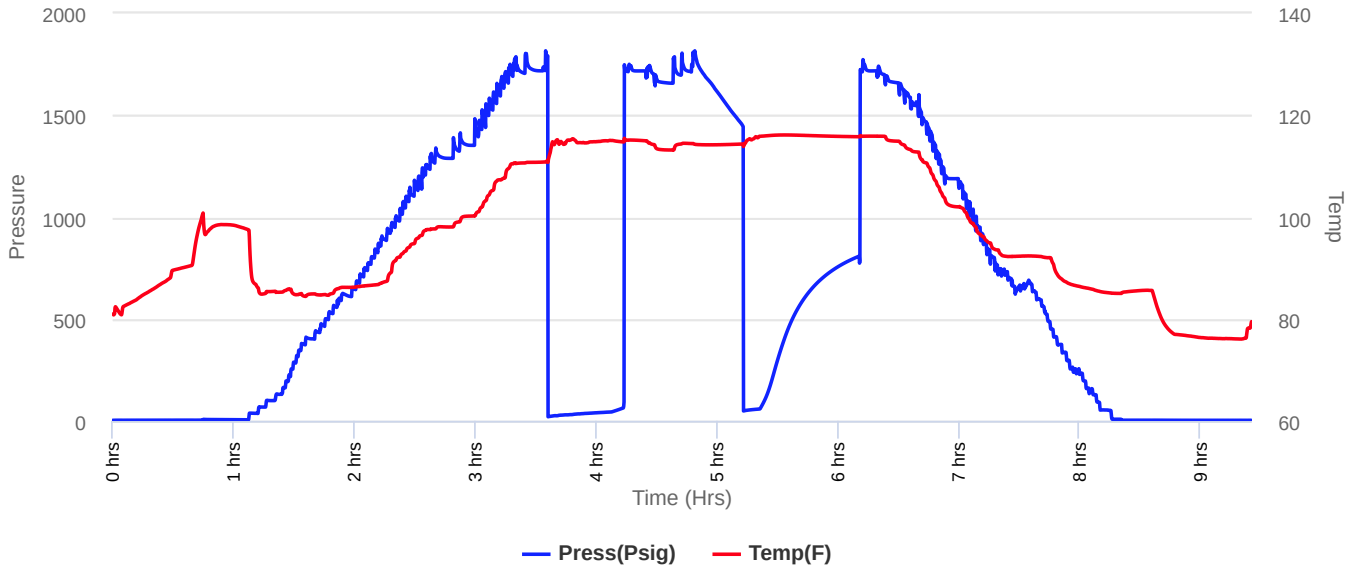
Electronic Volume
Estimate:
94'

1st Open
Minutes: 30
3.6" at 30 min

1st Close
Minutes: 5
0" at 5 min

2nd Open
Minutes: 5
.5" at 5 min

2nd Close
Minutes: 45
0" at 45 min





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Recovered

Foot	BBLs
65	0.3198

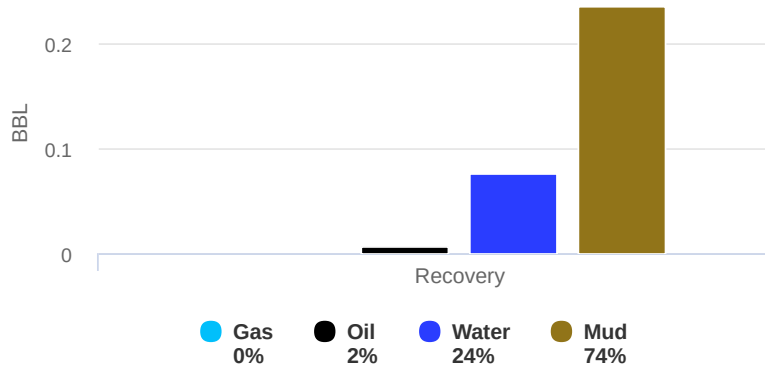
Description of Fluid	Gas %	Oil %	Water %	Mud %
SLOCWCM	0	2	24	74

Total Recovered: 65 ft
Total Barrels Recovered: 0.3198

Reversed Out
NO

Initial Hydrostatic Pressure	1720	PSI
Initial Flow	20 to 44	PSI
Initial Closed in Pressure	71	PSI
Final Flow Pressure	49 to 59	PSI
Final Closed in Pressure	807	PSI
Final Hydrostatic Pressure	1718	PSI
Temperature	117	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance





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REMARKS:

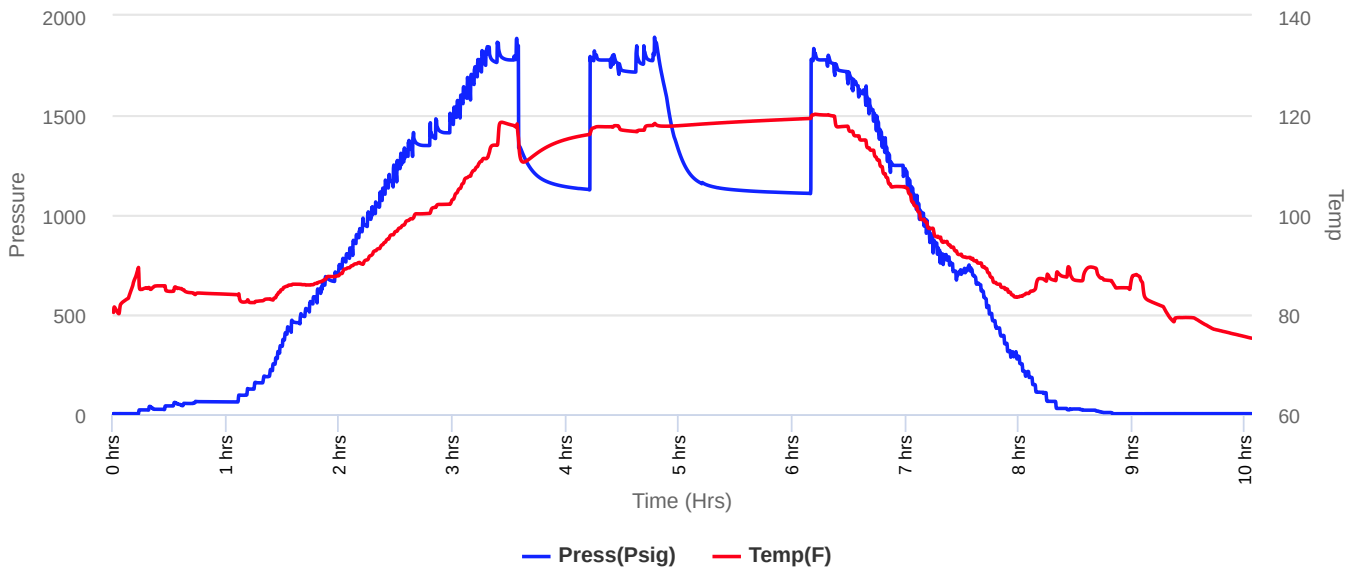
TOOL SAMPLE: 3% OIL, 31% WATER, 66% MUD

Ph: 10

RW: 3.5 @ 80 degrees F

Chlorides: 16000 ppm

Below Straddle Recorder





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Down Hole Makeup

Heads Up: 27.29 FT	Packer 1: 3522.5 FT
Drill Pipe: 3424.22 FT <i>ID-3 1/2</i>	Packer 2: 3528 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Packer 3: 3564 FT
Collars: 87 FT <i>ID-2 1/4</i>	Top Recorder: 3511.42 FT
Test Tool: 45.07 FT <i>ID-3 1/2-FH Jars Safety Joint</i>	Bottom Recorder: 3533 FT
Total Anchor: 36	Below Straddle Recorder: 3631 FT
	Well Bore Size: 8 3/4
	Surface Choke: 1"
	Bottom Choke: 5/8"

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 3 FT
4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT
ID-3 1/2

Change Over: FT

Perforations: (below): 32 FT
4 1/2-FH

STRADDLE

Straddle Packer(s): 1 FT

Change Over: 1 FT

Drill Pipe: 63.5 FT
ID-3 1/2"

Change Over: .5 FT

Perforations (in tail pipe): 14 FT
4 1/2-FH



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Mud Properties

Mud Type: Chemical **Weight:** 9.0 **Viscosity:** 60 **Filtrate:** 10.4 **Chlorides:** 11000 ppm