



Company: Fossil Energy, LLC
Lease: Vanover #1

SEC: 23 TWN: 4S RNG: 27W
 County: DECATUR
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 3
 Elevation: 2569 GL
 Field Name: Jennings
 Pool: Infield
 Job Number: 302

Operation:
 Uploading recovery & pressures

DATE
 February
16
 2019

DST #3 **Formation: LKC "B-E"** **Test Interval: 3525 - 3575'** **Total Depth: 3575'**
 Time On: 06:33 02/16 Time Off: 14:39 02/16
 Time On Bottom: 09:17 02/16 Time Off Bottom: 12:17 02/16

Electronic Volume Estimate:
 240'

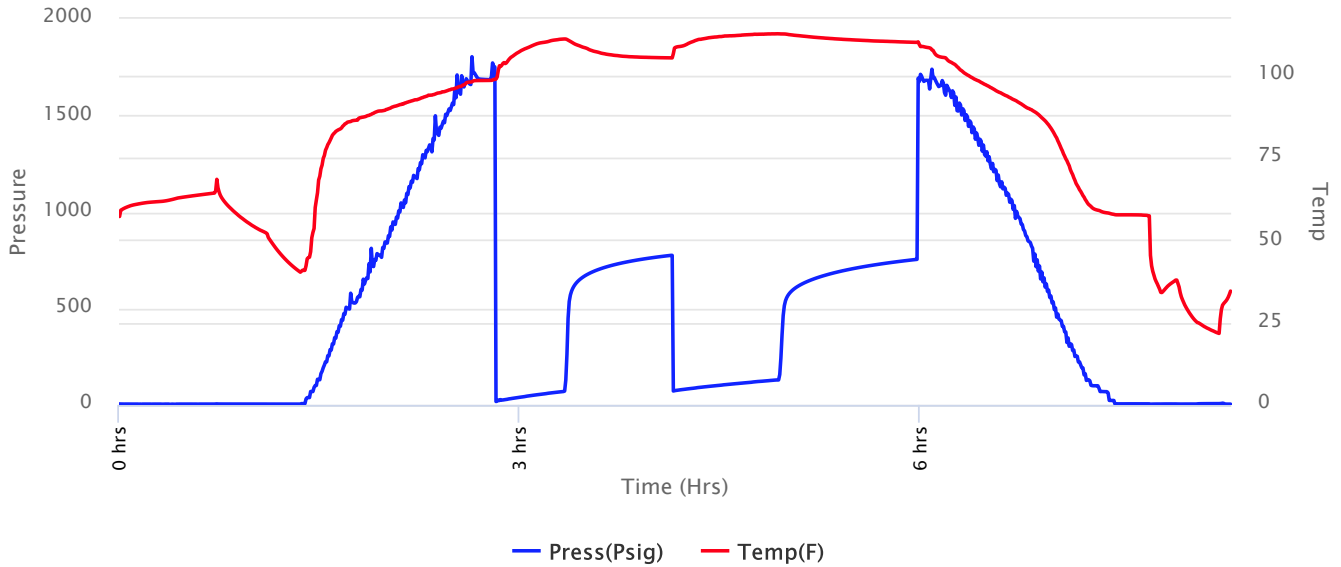
1st Open
 Minutes: 30
 Current Reading: 12.5" at 30 min
 Max Reading: 12.5"

1st Close
 Minutes: 45
 Current Reading: .1" at 45 min
 Max Reading: .1"

2nd Open
 Minutes: 45
 Current Reading: 13.1" at 45 min
 Max Reading: 13.1"

2nd Close
 Minutes: 60
 Current Reading: .1" at 60 min
 Max Reading: .1"

Inside Recorder





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Recovered

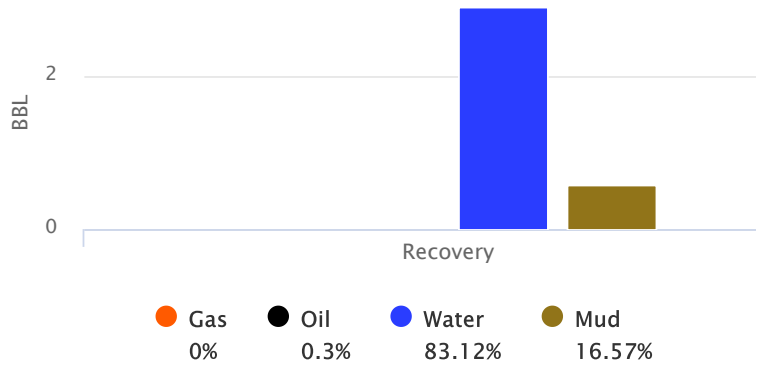
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
55	0.78265	SLOCHMCW	0	1	69	30
63	0.89649	MCW (trace O)	0	.1	79.9	20
63	0.89649	SLMCW (trace O)	0	.1	96.9	3
63	0.89649	SLMCW (trace O)	0	.1	84.9	15

Total Recovered: 244 ft
 Total Barrels Recovered: 3.47212

Reversed Out
NO

Initial Hydrostatic Pressure	1686	PSI
Initial Flow	20 to 72	PSI
Initial Closed in Pressure	775	PSI
Final Flow Pressure	75 to 129	PSI
Final Closed in Pressure	754	PSI
Final Hydrostatic Pressure	1681	PSI
Temperature	113	°F
Pressure Change Initial Close / Final Close	2.8	%

Recovery at a glance



GIP cubic foot volume: 0



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BUCKET MEASUREMENT:

Diesel in Bucket

1st Open: BoB in 17 min. 45 sec.

1st Close: Weak surface blow started at 6 min. Built to 1/8" over 45 min.

2nd Open: BoB in 20 min. 15 sec.

2nd Close: Weak surface return started at 5 min. Built to 1/8" over 60 min.

REMARKS:

Tool Sample: 0% Gas .1% Oil 98.9% Water 1% Mud

Ph: 6

Measured RW: .21 @ 22 degrees °F

RW at Formation Temp: 0.05 @ 113 °F

Chlorides: 63000 ppm



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Down Hole Makeup

Heads Up: 7.18999999999999 FT	Packer 1: 3520.48 FT
Drill Pipe: 3507.51 FT <i>ID-3 1/2</i>	Packer 2: 3525.48 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3512.48 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 3529 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 49.52	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 13 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 31.52 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 3 FT <i>4 1/2-FH</i>	



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Mud Properties

Mud Type: Chem **Weight:** 9.3 **Viscosity:** 53 **Filtrate:** 7.2 **Chlorides:** 2500 ppm