



**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  
**14**  
 2019

**DST #1**      **Formation: Tarkio**      **Test Interval: 3207 - 3275'**      **Total Depth: 3275'**  
 Time On: 01:48 02/14      Time Off: 09:45 02/14  
 Time On Bottom: 04:52 02/14      Time Off Bottom: 07:22 02/14

Electronic Volume Estimate:  
 36'

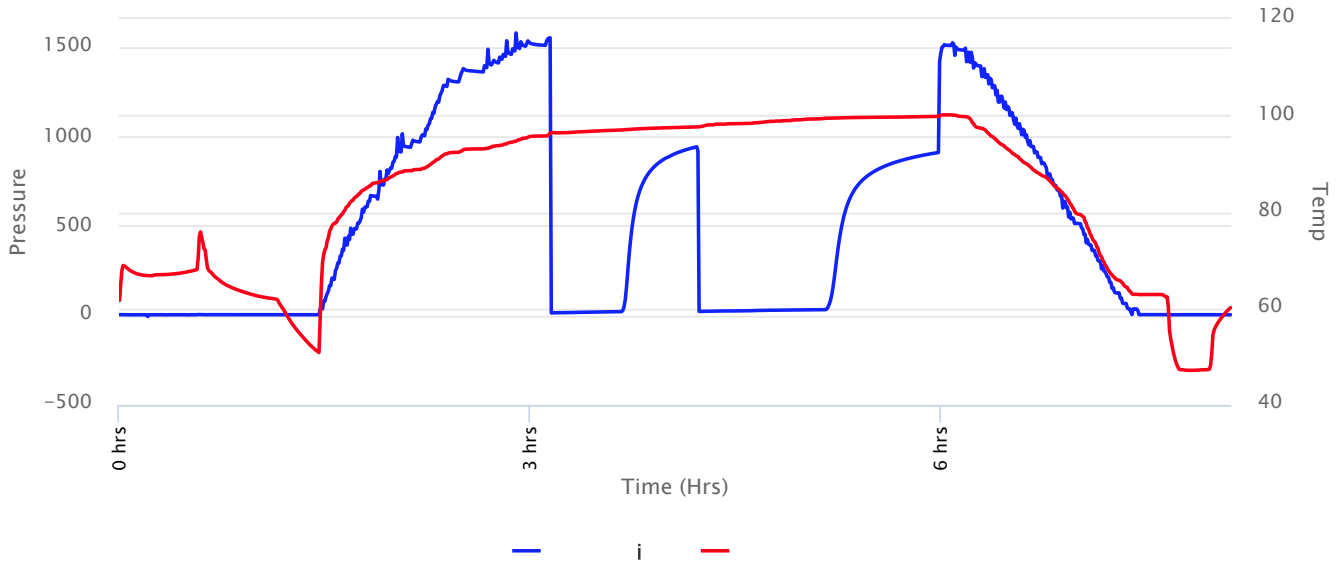
1st Open  
 Minutes: 30  
 Current Reading: 2.2" at 30 min  
 Max Reading: 2.2"

1st Close  
 Minutes: 30  
 Current Reading: 0" at 30 min  
 Max Reading: 0"

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

2nd Close  
 Minutes: 45  
 Current Reading: 0" at 45 min  
 Max Reading: 0"

Inside Recorder





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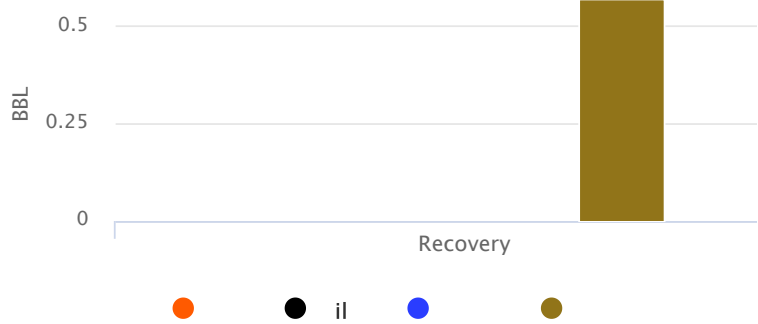
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
40	0.5692	M (trace O)	0	.1	0	99.9

Total Recovered: 40 ft  
 Total Barrels Recovered: 0.5692

Reversed Out  
 NO

Initial Hydrostatic Pressure	1515	PSI
Initial Flow	15 to 22	PSI
<b>Initial Closed in Pressure</b>	<b>942</b>	<b>PSI</b>
Final Flow Pressure	23 to 33	PSI
<b>Final Closed in Pressure</b>	<b>910</b>	<b>PSI</b>
Final Hydrostatic Pressure	1511	PSI
Temperature	100	°F
Pressure Change Initial Close / Final Close	3.5	%

**Recovery at a glance**



GIP cubic foot volume: 0



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**BUCKET MEASUREMENT:**

*Diesel in Bucket*

1st Open: Surface blow built to 3 1/8" over 30 min.

1st Close: No Return

2nd Open: Surface blow started at 3 min. Built to 2 1/2"

2nd Close: No Return

**REMARKS:**

Tool Sample: 0% Gas .1% Oil 0% Water 99.9% Mud



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**Down Hole Makeup**

<b>Heads Up:</b> 12.23 FT	<b>Packer 1:</b> 3202 FT
<b>Drill Pipe:</b> 3194.07 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3207 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3194 FT
<b>Collars:</b> 0 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3273 FT
<b>Test Tool:</b> 26.16 FT <i>ID-3 1/2-FH</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 68	<b>Surface Choke:</b> 1"
<u><b>Anchor Makeup</b></u>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 31 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> .5 FT	
<b>Drill Pipe: (in anchor):</b> 32 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> .5 FT	
<b>Perforations: (below):</b> 3 FT <i>4 1/2-FH</i>	



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**Mud Properties**

**Mud Type:** Chem      **Weight:** 8.6      **Viscosity:** 56      **Filtrate:** 7.6      **Chlorides:** 750 ppm



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**Gas Volume Report**

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D