



**Company: Fossil Energy, LLC**  
**Lease: Patriot #1**

SEC: 17 TWN: 12S RNG: 15W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 1  
 Elevation: 1841 GL  
 Field Name: Fairport  
 Pool: Infield  
 Job Number: 376  
 API #: 15-167-24093-00-00

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 August  
**10**  
 2019

**DST #1**      **Formation: LKC "A-C"**      **Test Interval: 2968 - 3025'**      **Total Depth: 3025'**  
 Time On: 14:46 08/10      Time Off: 22:30 08/10  
 Time On Bottom: 16:28 08/10      Time Off Bottom: 20:03 08/10

Electronic Volume Estimate:  
 384'

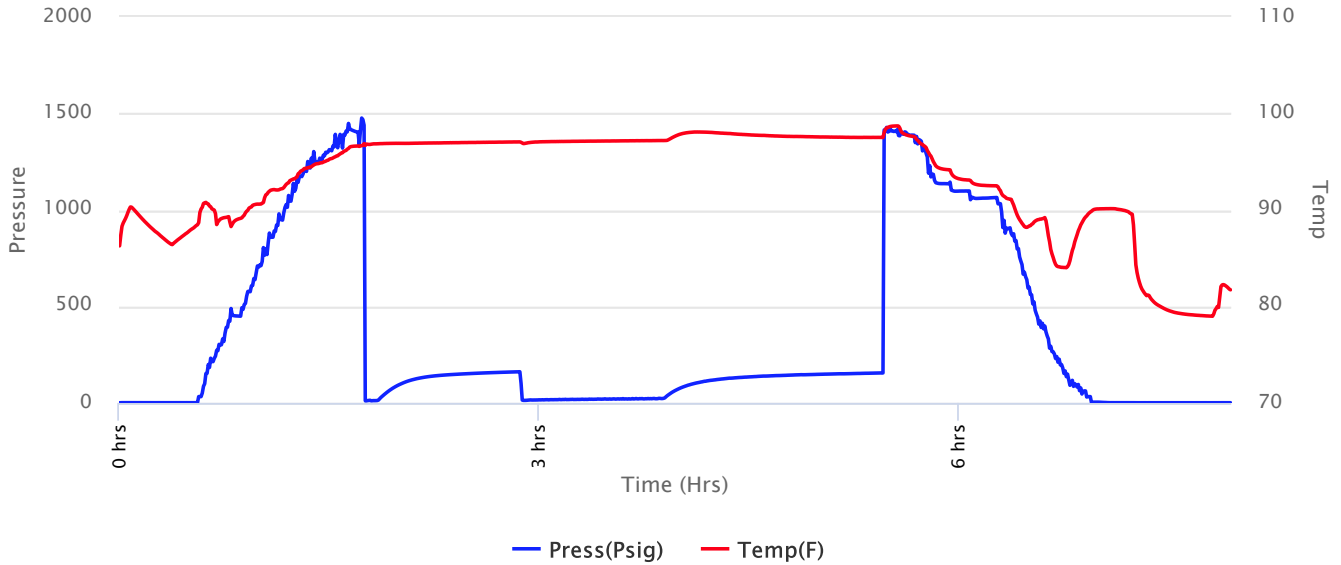
1st Open  
 Minutes: 5  
 Current Reading: 3.3" at 5 min  
 Max Reading: 3.3"

1st Close  
 Minutes: 60  
 Current Reading: 0" at 60 min  
 Max Reading: 0"

2nd Open  
 Minutes: 60  
 Current Reading: 46.6" at 60 min  
 Max Reading: 46.6"

2nd Close  
 Minutes: 90  
 Current Reading: 0" at 90 min  
 Max Reading: 0"

Inside Recorder





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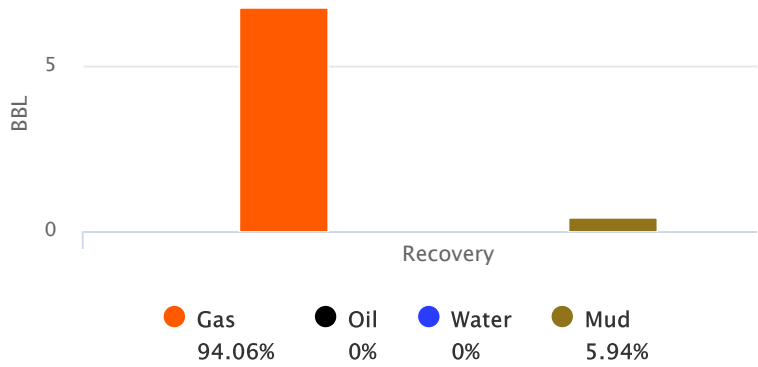
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
475	6.75925	G	100	0	0	0
30	0.4269	M	0	0	0	100

Total Recovered: 505 ft  
 Total Barrels Recovered: 7.18615

Reversed Out  
 NO

Initial Hydrostatic Pressure	1404	PSI
Initial Flow	11 to 15	PSI
<b>Initial Closed in Pressure</b>	<b>162</b>	<b>PSI</b>
Final Flow Pressure	14 to 24	PSI
<b>Final Closed in Pressure</b>	<b>155</b>	<b>PSI</b>
Final Hydrostatic Pressure	1403	PSI
Temperature	99	°F
Pressure Change Initial Close / Final Close	3.9	%

**Recovery at a glance**



GIP cubic foot volume: 37.94981



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**BUCKET MEASUREMENT:**

1st Open: Surface blow building to 3"  
1st Close: No BB  
2nd Open: 3" blow building to BOB 10 1/2 min.  
2nd Close: No BB

**REMARKS:**

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



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**Down Hole Makeup**

<b>Heads Up:</b> 7.74000000000002 FT	<b>Packer 1:</b> 2963.23 FT
<b>Drill Pipe:</b> 2948.23 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 2968.23 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 2952.65 FT
<b>Collars:</b> 0 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3008 FT
<b>Test Tool:</b> 28.74 FT <i>ID-3 1/2-FH</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 56.77	<b>Surface Choke:</b> 1"
<b><u>Anchor Makeup</u></b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 4 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 1 FT	
<b>Drill Pipe: (in anchor):</b> 31.77 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 1 FT	
<b>Perforations: (below):</b> 18 FT <i>4 1/2-FH</i>	



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**Mud Properties**

**Mud Type:** Chemical      **Weight:** 8.9      **Viscosity:** 50      **Filtrate:** 8.3      **Chlorides:** 6,500 ppm



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**Gas Volume Report**

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D