



**Company: JEL Resources, LLC**  
**Lease: Betty Hullman Estate #1-9**

SEC: 9 TWN: 22S RNG: 13W  
 County: STAFFORD  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 3  
 Elevation: 1904 KB  
 Field Name: Besthorn  
 Pool: Infield  
 Job Number: 161

**DATE**  
 May  
**25**  
 2018

**DST #4**      **Formation: Viola**      **Test Interval: 3646 - 3710'**      **Total Depth: 3710'**  
 Time On: 01:16 05/25      Time Off: 07:51 05/25  
 Time On Bottom: 03:22 05/25      Time Off Bottom: 06:17 05/25

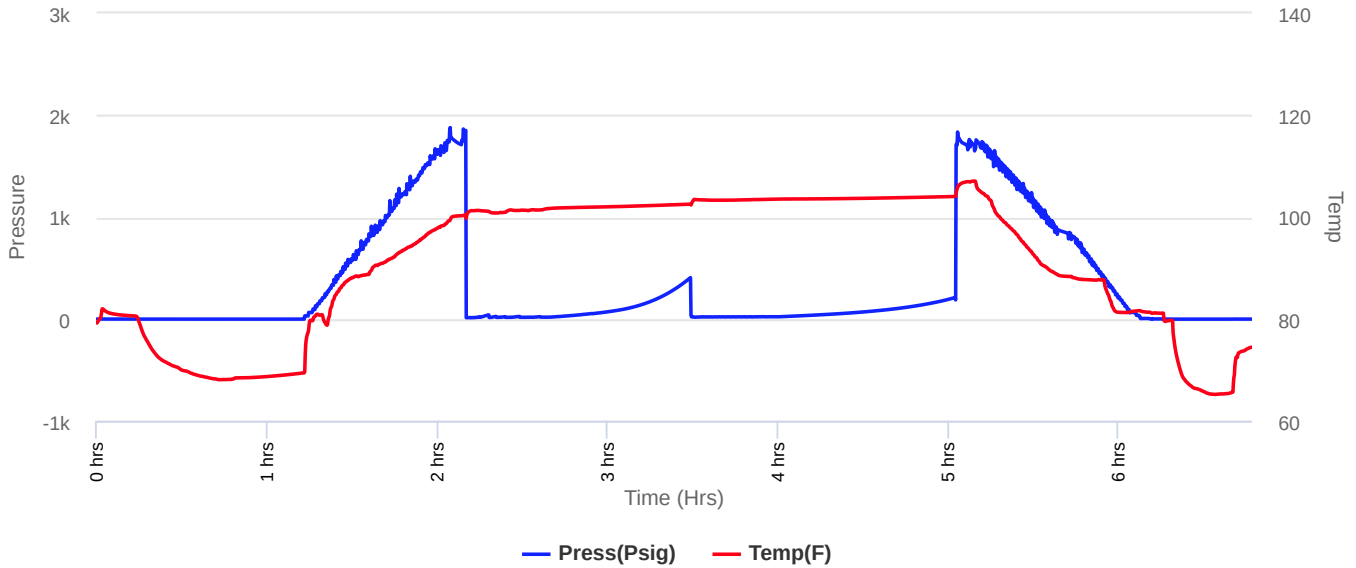
Electronic Volume Estimate:  
 29'

1st Open  
 Minutes: 30  
 2.1" at 30 min

1st Close  
 Minutes: 45  
 0" at 45 min

2nd Open  
 Minutes: 30  
 .9" at 30 min

2nd Close  
 Minutes: 60  
 0" at 60 min





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Recovered

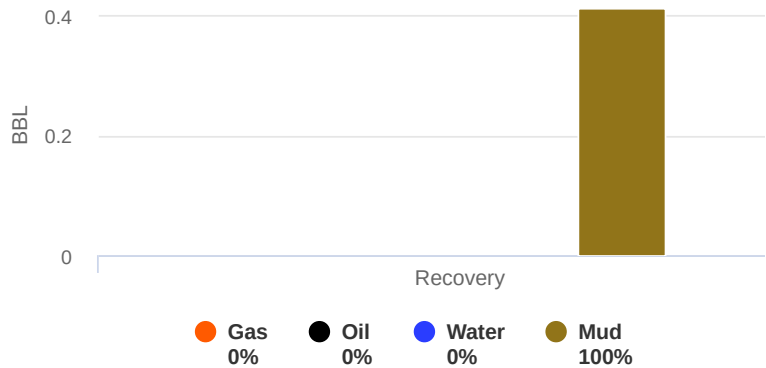
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
29	0.41267	M	0	0	0	100

Total Recovered: 29 ft  
 Total Barrels Recovered: 0.41267

Reversed Out  
 NO

Initial Hydrostatic Pressure	1748	PSI
Initial Flow	13 to 18	PSI
<b>Initial Closed in Pressure</b>	<b>406</b>	<b>PSI</b>
Final Flow Pressure	21 to 22	PSI
<b>Final Closed in Pressure</b>	<b>209</b>	<b>PSI</b>
Final Hydrostatic Pressure	1743	PSI
Temperature	104	°F
Pressure Change Initial Close / Final Close	48.5	%

**Recovery at a glance**





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**REMARKS:**

Initial Flow: 1/2 in. blow building to 2.1 ins. in 30 mins.

Initial Shut-in: No blow back.

Final Flow: .2 in. blow building to .9 in. in 30 mins.

Final Shut-in: No blow back.

Tool Sample: 10% oil, 40% water, 50% mud

Ph: 7

RW: .35 @ 68 degrees F

Chlorides: 20,000 ppm



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**Down Hole Makeup**

<b>Heads Up:</b> 9.21 FT	<b>Packer 1:</b> 3641 FT
<b>Drill Pipe:</b> 3622.64 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3646 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3630.42 FT
<b>Collars:</b> FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3691 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 64	<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> 11 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> .5 FT	
<b>Drill Pipe: (in anchor):</b> 31 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> .5 FT	
<b>Perforations: (below):</b> 20 FT <i>4 1/2-FH</i>	



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### **Mud Properties**

**Mud Type:** Chemical      **Weight:** 9.1      **Viscosity:** 52      **Filtrate:** 9.2      **Chlorides:** 9,000 ppm