



**Company: L. D. Drilling, Inc**  
**Lease: Eugene #2-4**

SEC: 4 TWN: 18S RNG: 15W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: L. D. Drilling, Inc - Rig 1  
 Elevation: 1981 EGL  
 Field Name: Olmitz West  
 Pool: Infield  
 Job Number: 109

**DATE**  
 March  
**21**  
 2018

**DST #1**      **Formation: Topeka**      **Test Interval: 3140 - 3180'**      **Total Depth: 3180'**  
 Time On: 07:28 03/21      Time Off: 15:25 03/21  
 Time On Bottom: 09:49 03/21      Time Off Bottom: 12:49 03/21

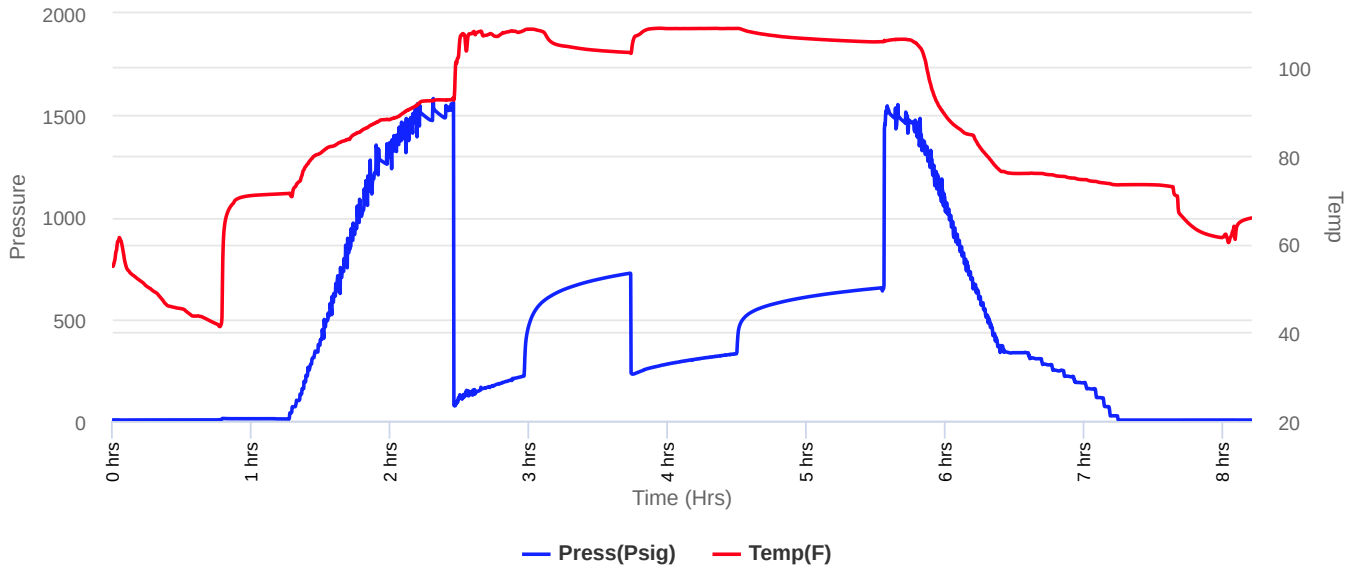
Electronic Volume Estimate:  
 1180'

1st Open  
 Minutes: 30  
 84.1" at 30 min

1st Close  
 Minutes: 45  
 6.1" at 45 min

2nd Open  
 Minutes: 45  
 52" at 45 min

2nd Close  
 Minutes: 60  
 21" at 60 min





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Recovered

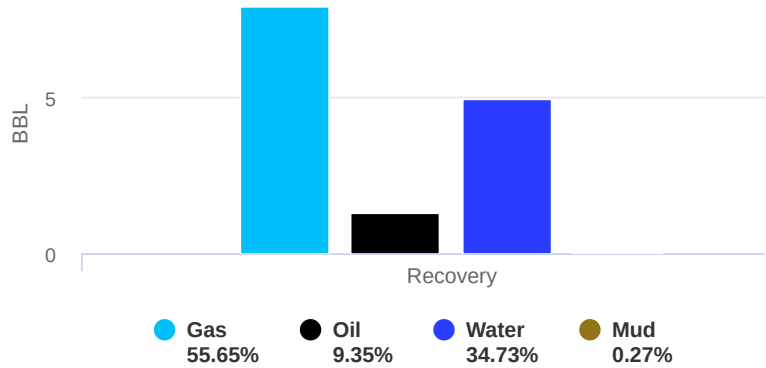
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
661	6.78186	G	100	0	0	0
32	0.32832	O	0	100	0	0
315	3.2319	OCHGCW	35	25	40	0
378	3.87828	SLMCSLOCW	0	5	94	1

Total Recovered: 1386 ft  
 Total Barrels Recovered: 14.22036

Reversed Out  
 NO

Initial Hydrostatic Pressure      1552      PSI  
 Initial Flow      78 to 220      PSI  
**Initial Closed in Pressure**      **724**      **PSI**  
 Final Flow Pressure      230 to 330      PSI  
**Final Closed in Pressure**      **653**      **PSI**  
 Final Hydrostatic Pressure      1546      PSI  
 Temperature      109      °F  
  
 Pressure Change Initial      9.8      %  
 Close / Final Close

**Recovery at a glance**





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**REMARKS:**

Initial Flow: 2 in. blow increasing. BOB in 2 mins.

Initial Shut-in: 6 in. blow back.

Final Flow: 3 in. blow increasing. BOB in 5 mins.

Final Shut-in: BOB blow back.

Gravity: 10 @ 60 degrees F

Ph: 7

RW: .125 @ 60 degrees F

Chlorides: 73,000 ppm



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**Down Hole Makeup**

<b>Heads Up:</b> 25.42 FT	<b>Packer 1:</b> 3135 FT
<b>Drill Pipe:</b> 3132.85 FT <i>ID-3 1/4</i>	<b>Packer 2:</b> 3140 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3124.42 FT
<b>Collars:</b> FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3142 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> 20	<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> FT <i>4 1/2-FH</i>	
<b>Change Over:</b> FT	
<b>Drill Pipe: (in anchor):</b> FT <i>ID-3 1/4</i>	
<b>Change Over:</b> FT	
<b>Perforations: (below):</b> 19 FT <i>4 1/2-FH</i>	



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**Mud Properties**

**Mud Type:** Chemical      **Weight:** 8.7      **Viscosity:** 72      **Filtrate:** 8.0      **Chlorides:** 3,300 ppm