



**Company: L. D. Drilling, Inc**  
**Lease: Nuss #2**

SEC: 35 TWN: 13S RNG: 32W  
 County: LOGAN  
 State: Kansas  
 Drilling Contractor: L. D. Drilling, Inc - Rig 1  
 Elevation: 2900 EGL  
 Field Name: Rose Garden NW  
 Pool: Infield  
 Job Number: 204

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 September  
**19**  
 2018

**DST #4**      **Formation: Cherokee**      **Test Interval: 4392 - 4468'**      **Total Depth: 4468'**  
 Time On: 17:22 09/19      Time Off: 00:46 09/20  
 Time On Bottom: 19:44 09/19      Time Off Bottom: 22:44 09/19

Electronic Volume Estimate:  
 345'

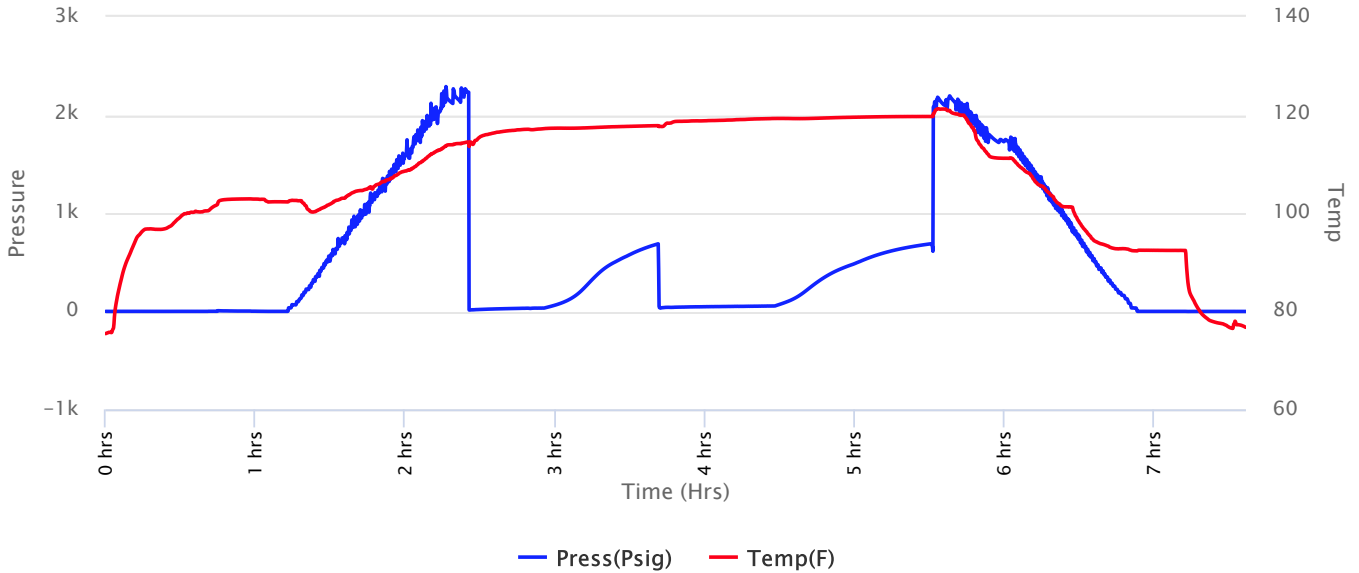
1st Open  
 Minutes: 30  
 Current Reading:  
 10.7" at 30 min  
 Max Reading: 10.7"

1st Close  
 Minutes: 45  
 Current Reading:  
 0" at 45 min  
 Max Reading: 0"

2nd Open  
 Minutes: 45  
 Current Reading:  
 18.7" at 45 min  
 Max Reading: 18.7"

2nd Close  
 Minutes: 60  
 Current Reading:  
 0" at 60 min  
 Max Reading: 0"

Inside Recorder





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Recovered

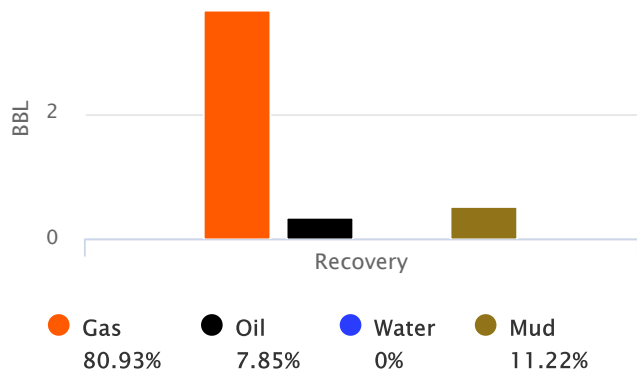
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
338	3.46788	G	100	0	0	0
10	0.1026	O	0	100	0	0
30	0.3078	HOCM	0	40	0	60
63	0.64638	OCHGCM	30	20	0	50

Total Recovered: 441 ft  
 Total Barrels Recovered: 4.52466

**Reversed Out**  
**NO**

Initial Hydrostatic Pressure      2160      PSI  
 Initial Flow      13 to 32      PSI  
**Initial Closed in Pressure      687      PSI**  
 Final Flow Pressure      35 to 54      PSI  
**Final Closed in Pressure      687      PSI**  
 Final Hydrostatic Pressure      2150      PSI  
 Temperature      120      °F  
  
 Pressure Change Initial      0.0      %  
 Close / Final Close

**Recovery at a glance**





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**BUCKET MEASUREMENT:**

1st Open: Wsb built to 10.7"

1st Close: Nobb

2nd Open: 1.5" bob in 22 1/2 min

2nd Close: nobb

**REMARKS:**

Tool Sample: 0% Gas 79% Oil 1% Water 20% Mud

Gravity: 26.7 @ 60 °F



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**Down Hole Makeup**

<b>Heads Up:</b> 10.9 FT	<b>Packer 1:</b> 4387 FT
<b>Drill Pipe:</b> 4370.33 FT <i>ID-3 1/4</i>	<b>Packer 2:</b> 4392 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 4376.42 FT
<b>Collars:</b> FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 4429 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>Surface Choke:</b> 1"
	<b>Bottom Choke:</b> 5/8"

**Total Anchor:** 76

**Anchor Makeup**

**Packer Sub:** 1 FT

**Perforations: (top):** 2 FT  
*4 1/2-FH*

**Change Over:** 1 FT

**Drill Pipe: (in anchor):** 31.5 FT  
*ID-3 1/4*

**Change Over:** .5 FT

**Perforations: (below):** 40 FT  
*4 1/2-FH*

