



**Company: Russell Oil, Inc**  
**Lease: Nuss C #2**

SEC: 32 TWN: 15S RNG: 14W  
 County: RUSSELL  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 8  
 Elevation: 1911 GL  
 Field Name: Nuss  
 Pool: Infield  
 Job Number: 363  
 API #: 15-167-24094-00-00

**Operation:**  
 Test Complete

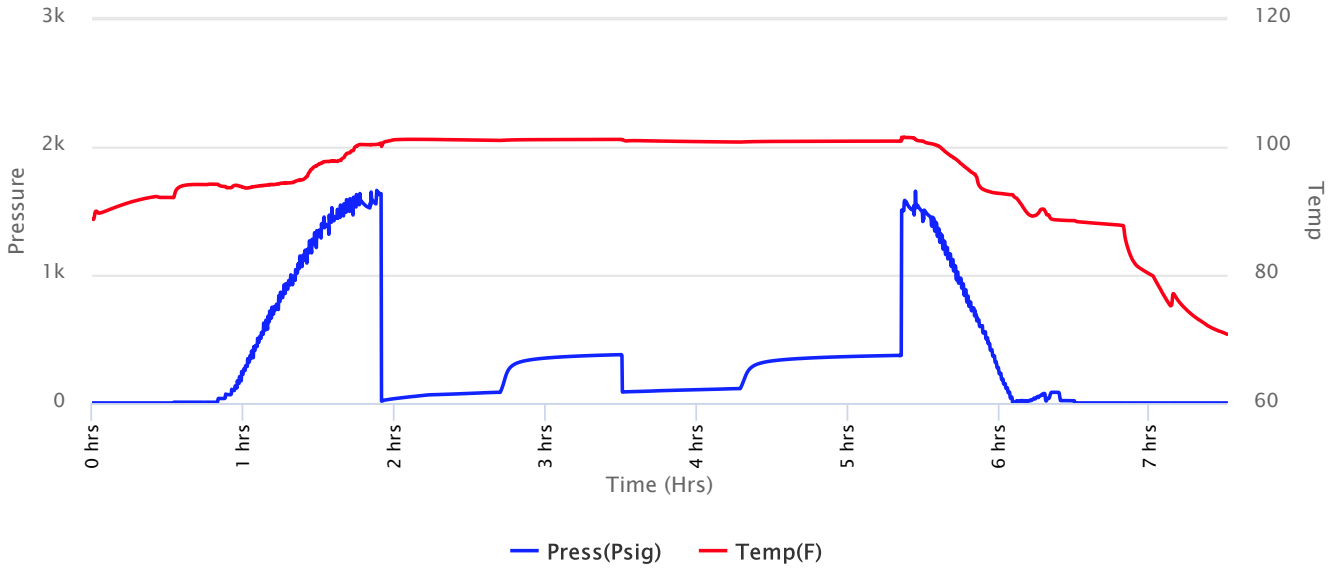
**DATE**  
 July  
**15**  
 2019

**DST #1**      **Formation: LKC C**      **Test Interval: 3160 - 3180'**      **Total Depth: 3180'**  
 Time On: 21:21 07/15      Time Off: 04:39 07/16  
 Time On Bottom: 23:13 07/15      Time Off Bottom: 02:28 07/16

Electronic Volume Estimate:  
 283'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 45	Minutes: 45	Minutes: 45	Minutes: 60
Current Reading: 18.7" at 45 min	Current Reading: 0" at 45 min	Current Reading: 7" at 45 min	Current Reading: 0" at 60 min
Max Reading: 18.7"	Max Reading: 0"	Max Reading: 7"	Max Reading: 0"

Inside Recorder





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Recovered

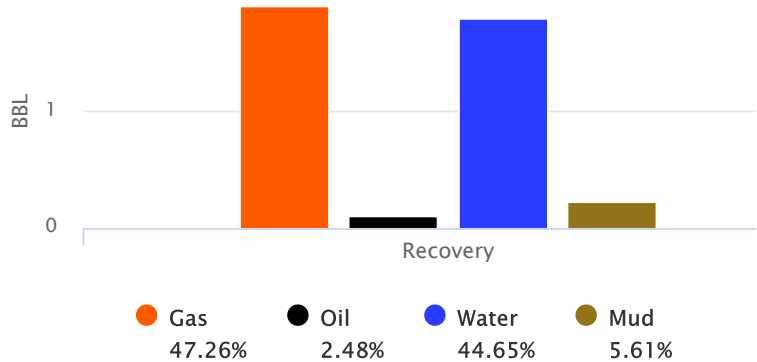
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
126	1.79298	GIP	100	0	0	0
1	0.01423	O	0	100	0	0
6	0.08538	SLWCSLMCO		75	10	15
228	2.126309	SLOCSLGCSLMCW	5	1	84	10

Total Recovered: 361 ft  
 Total Barrels Recovered: 4.018899

**Reversed Out**  
 NO

Initial Hydrostatic Pressure	1523	PSI
Initial Flow	15 to 84	PSI
<b>Initial Closed in Pressure</b>	<b>377</b>	<b>PSI</b>
Final Flow Pressure	86 to 113	PSI
<b>Final Closed in Pressure</b>	<b>372</b>	<b>PSI</b>
Final Hydrostatic Pressure	1524	PSI
Temperature	102	°F
Pressure Change Initial Close / Final Close	1.5	%

**Recovery at a glance**



GIP cubic foot volume: 10.66359



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**BUCKET MEASUREMENT:**

1st Open: 1/4" Blow. BOB in 27 mins  
1st Close: NOBB  
2nd Open: WSB. Built to 7 inches in 45 mins  
2nd Close: NOBB

**REMARKS:**

Tool Sample: 0% Gas 0% Oil 90% Water 10% Mud  
Ph: 7  
Measured RW: .5 @ 72 degrees °F  
RW at Formation Temp: 0.362 @ 102 °F  
Chlorides: 70,000 ppm



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**Down Hole Makeup**

<b>Heads Up:</b> 5.9900000000001 FT	<b>Packer 1:</b> 3155 FT
<b>Drill Pipe:</b> 3013.32 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3160 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3144.42 FT
<b>Collars:</b> 120.1 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3163 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"
<b><u>Anchor Makeup</u></b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 1 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> FT	
<b>Drill Pipe: (in anchor):</b> FT <i>ID-3 1/2</i>	
<b>Change Over:</b> FT	
<b>Perforations: (below):</b> 18 FT <i>4 1/2-FH</i>	



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**Mud Properties**

**Mud Type:** Chem      **Weight:** 9      **Viscosity:** 52      **Filtrate:** 6.4      **Chlorides:** 5000 ppm

