



**Company: Ritchie Exploration, Inc.**

**Lease: Antholz Trust #2A**

SEC: 2 TWN: 5S RNG: 37W  
 County: CHEYENNE  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 8  
 Elevation: 3391 EGL  
 Field Name: Wildcat  
 Pool: Wildcat  
 Job Number: 333

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 April  
**21**  
 2019

**DST #1**      **Formation: Lan J**      **Test Interval: 4440 - 4474'**      **Total Depth: 4474'**  
 Time On: 13:49 04/21      Time Off: 19:36 04/21  
 Time On Bottom: 15:45 04/21      Time Off Bottom: 17:45 04/21

Electronic Volume Estimate:  
 28'

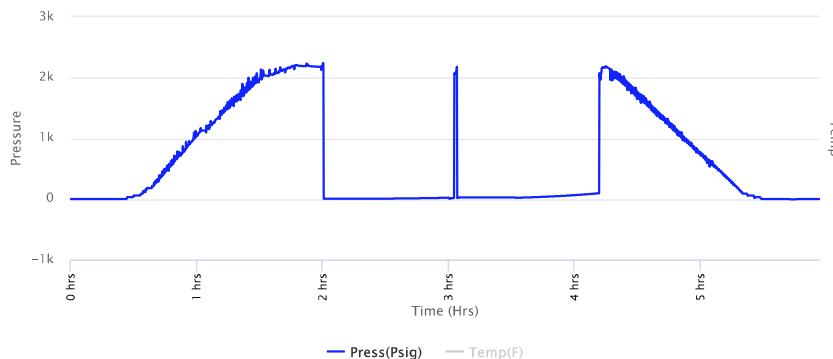
1st Open  
 Minutes: 30  
 Current Reading: 0" at 30 min  
 Max Reading: .3"

1st Close  
 Minutes: 30  
 Current Reading: 0" at 30 min  
 Max Reading: 0"

2nd Open  
 Minutes: 30  
 Current Reading: 0" at 30 min  
 Max Reading: .5"

2nd Close  
 Minutes: 30  
 Current Reading: 0" at 30 min  
 Max Reading: 0"

Inside Recorder



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Recovered

Foot	BBLs
5	0.0246

Description of Fluid  
 M

Gas %  
 0

Oil %  
 0

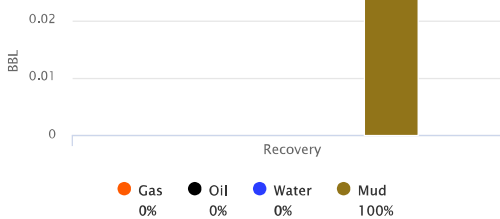
Water %  
 0

Mud %  
 100

Total Recovered: 5 ft  
 Total Barrels Recovered: 0.0246

Reversed Out  
 NO

**Recovery at a glance**



Initial Hydrostatic Pressure	2179	PSI
Initial Flow	7 to 7	PSI
<b>Initial Closed in Pressure</b>	<b>22</b>	<b>PSI</b>
Final Flow Pressure	24 to 25	PSI
<b>Final Closed in Pressure</b>	<b>96</b>	<b>PSI</b>
Final Hydrostatic Pressure	2161	PSI
Temperature	133	°F

Pressure Change Initial Close / Final Close      0.0      %

GIP cubic foot volume: 0



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**BUCKET MEASUREMENT:**  
1st Open: Surge blow and dead  
1st Close: No blow  
2nd Open: Surge blow and dead  
2nd Close: No blow

**REMARKS:**  
Flushed tool on 2nd open



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**Down Hole Makeup**

<b>Heads Up:</b> 11.89 FT	<b>Packer 1:</b> 4435 FT
<b>Drill Pipe:</b> 4301.83 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 4440 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 4424.42 FT
<b>Collars:</b> 117.49 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 4475 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> 34	<b>Surface Choke:</b> 1"
<b>Anchor Makeup</b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 33 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> FT <i>4 1/2-FH</i>	



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**Mud Properties**

**Mud Type:** Chemical      **Weight:** 9.3      **Viscosity:** 55      **Filtrate:** 6.4      **Chlorides:** 3000 ppm



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**Gas Volume Report**

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D