



**Company: Ritchie Exploration, Inc.**

**Lease: Antholz Trust 2A #1**

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

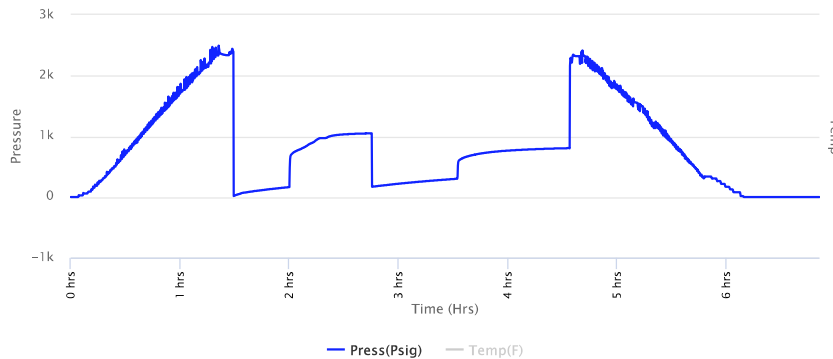
**Operation:**  
 Uploading recovery & pressures

**DATE**  
 April  
**24**  
 2019

**DST #2**      **Formation: Cherokee**      **Test Interval: 4752 - 4812'**      **Total Depth: 5003'**  
 Time On: 23:55 04/24      Time Off: 07:05 04/25  
 Time On Bottom: 01:50 04/25      Time Off Bottom: 04:50 04/25

Electronic Volume Estimate: 620'	<b>1st Open</b> Minutes: 30 Current Reading: 20.4" at 30 min Max Reading: 20.4"	<b>1st Close</b> Minutes: 45 Current Reading: 0" at 45 min Max Reading: 0"	<b>2nd Open</b> Minutes: 45 Current Reading: 22.8" at 45 min Max Reading: 22.8"	<b>2nd Close</b> Minutes: 60 Current Reading: 0" at 60 min Max Reading: 0"
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Inside Recorder



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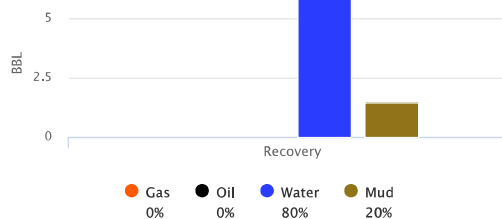
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Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
600	7.4441681	MCW	0	0	80	20

Total Recovered: 600 ft  
 Total Barrels Recovered: 7.4441681

**Reversed Out**  
 NO

Recovery at a glance



Initial Hydrostatic Pressure	2340	PSI
Initial Flow	18 to 164	PSI
<b>Initial Closed in Pressure</b>	<b>1050</b>	<b>PSI</b>
Final Flow Pressure	172 to 301	PSI
<b>Final Closed in Pressure</b>	<b>806</b>	<b>PSI</b>
Final Hydrostatic Pressure	2320	PSI
Temperature	148	°F

Pressure Change Initial Close / Final Close      23.3      %

GIP cubic foot volume: 0



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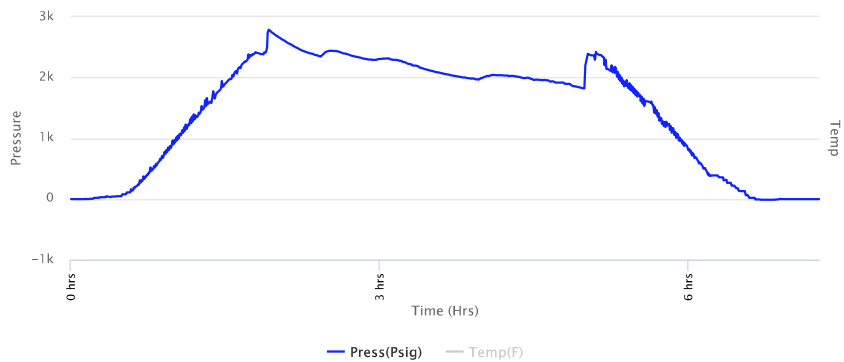
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BUCKET MEASUREMENT:  
1st Open: BOB in 16 min  
1st Close: No blow  
2nd Open: BOB in 21 min  
2nd Close: No blow

REMARKS:  
Tool Sample: 0% Gas 0% Oil 75% Water 25% Mud  
Chlorides: 19000 ppm

Below Straddle Recorder



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**Down Hole Makeup**

<b>Heads Up:</b> 16.86 FT	<b>Packer 1:</b> 4746.58 FT
<b>Drill Pipe:</b> 4618.38 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 4751.58 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Packer 3:</b> 4812 FT
<b>Collars:</b> 117.49 FT <i>ID-2 1/4</i>	<b>Top Recorder:</b> 4736 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Bottom Recorder:</b> 4808 FT
<b>Total Anchor:</b> 60.42	<b>Below Straddle Recorder:</b> 5001 FT
<b>Anchor Makeup</b>	
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 21 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 1 FT	
<b>Drill Pipe: (in anchor):</b> 31.42 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 1 FT	
<b>Perforations: (below):</b> 5 FT <i>4 1/2-FH</i>	
<b>STRADDLE</b>	
<b>Straddle Packer(s):</b> 1 FT	
<b>Change Over:</b> 2 FT	
<b>Drill Pipe:</b> 187.21 FT <i>ID-3 1/2"</i>	
<b>Change Over:</b> 1 FT	
<b>Perforations (in tail pipe):</b> 3 FT <i>4 1/2-FH</i>	



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**Mud Properties**

**Mud Type:** Chemical      **Weight:** 9.3      **Viscosity:** 59      **Filtrate:** 6.4      **Chlorides:** 5000 ppm



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**Gas Volume Report**

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D