



# Company: Ritchie Exploration, Inc.

## Lease: Weilert-Collins #1

SEC: 28 TWN: 16S RNG: 37W  
County: WICHITA  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 12  
Elevation: 3369 GL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 345  
API #: 15-203-2030357

**Operation:**  
Test Complete

**DATE**  
May  
**14**  
2019

**DST #2**    **Formation: Altamont**    **Test Interval: 4510 - 4536'**    **Total Depth: 4536'**

Time On: 22:24 05/14    Time Off: 07:28 05/15  
Time On Bottom: 01:41 05/15    Time Off Bottom: 04:41 05/15

Electronic Volume Estimate:  
74'

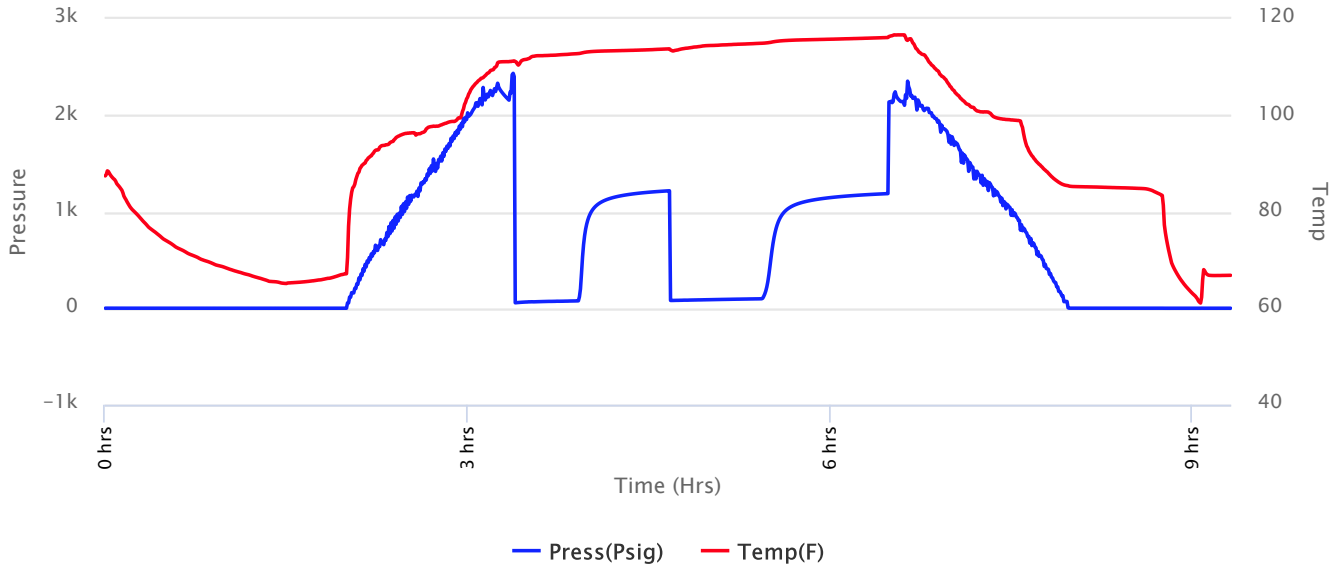
1st Open  
Minutes: 30  
Current Reading:  
1.5" at 30 min  
Max Reading: 1.5"

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

2nd Open  
Minutes: 45  
Current Reading:  
.6" at 45 min  
Max Reading: .6"

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

Inside Recorder





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Recovered

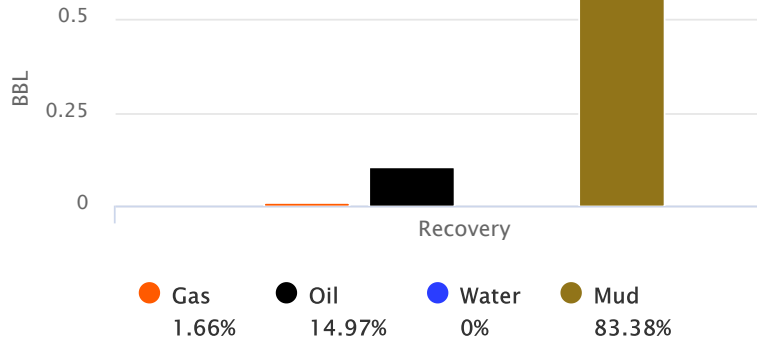
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
25	0.123	HOCM	0	46	0	54
60	0.2952	SLOCM	0	6	0	94
60	0.2952	SLGCSLOCM	4	11	0	85

Total Recovered: 145 ft  
 Total Barrels Recovered: 0.7134

Reversed Out  
 NO

Initial Hydrostatic Pressure	2156	PSI
Initial Flow	57 to 78	PSI
<b>Initial Closed in Pressure</b>	<b>1217</b>	<b>PSI</b>
Final Flow Pressure	81 to 98	PSI
<b>Final Closed in Pressure</b>	<b>1188</b>	<b>PSI</b>
Final Hydrostatic Pressure	2155	PSI
Temperature	117	°F
Pressure Change Initial Close / Final Close	2.4	%

**Recovery at a glance**



GIP cubic foot volume: 0.0663



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**BUCKET MEASUREMENT:**

1st Open: Surface blow building to 1"  
1st Close: No BB  
2nd Open: Surface blow building to 1/4"  
2nd Close: No BB

**REMARKS:**

Tool Sample: 2% Gas 19% Oil 0% Water 79% Mud



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### Down Hole Makeup

<b>Heads Up:</b> 9.8300000000002 FT	<b>Packer 1:</b> 4504.5 FT
<b>Drill Pipe:</b> 4300.47 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 4510 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 4493.92 FT
<b>Collars:</b> 186.29 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 4512 FT
<b>Test Tool:</b> 34.07 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7.875
<b>Total Anchor:</b> 26	<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> 0 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 0 FT	
<b>Drill Pipe: (in anchor):</b> 0 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 0 FT	
<b>Perforations: (below):</b> 25 FT <i>4 1/2-FH</i>	



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**Mud Properties**

**Mud Type:** Chemical      **Weight:** 9.2      **Viscosity:** 52      **Filtrate:** 8.8      **Chlorides:** 5,800 ppm



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**Gas Volume Report**

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D