



# Company: Ritchie Exploration, Inc.

## Lease: Ramsey Trust 15B #1

SEC: 15 TWN: 19S RNG: 31W  
County: SCOTT  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 12  
Elevation: 2952 EGL  
Field Name: Grigston SW Ext  
Pool: Infield  
Job Number: 358  
API #: 15-171-21251

**Operation:**  
Uploading recovery & pressures

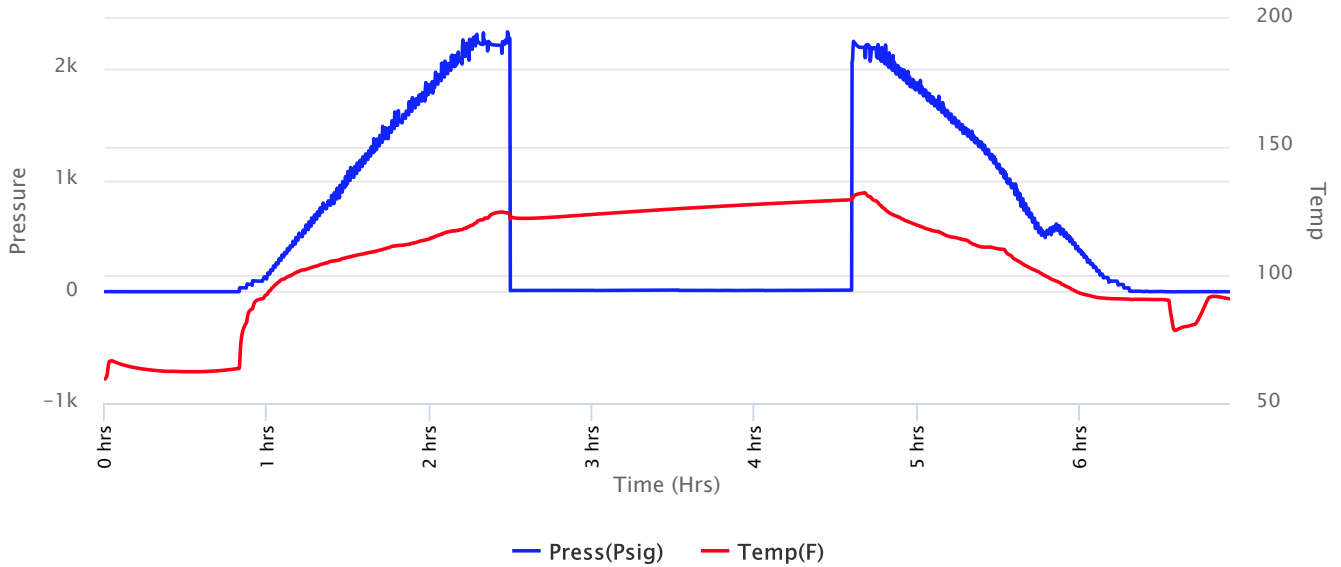
**DATE**  
June  
**24**  
2019

**DST #7**      **Formation: Morrow+Miss**      **Test Interval: 4566 - 4594'**      **Total Depth: 4594'**  
Time On: 08:22 06/24      Time Off: 15:05 06/24  
Time On Bottom: 10:48 06/24      Time Off Bottom: 12:48 06/24

Electronic Volume Estimate:  
5'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 30	Minutes: 30	Minutes: 30	Minutes: 30
Current Reading: .1" at 30 min	Current Reading: 0" at 30 min	Current Reading: 0" at 30 min	Current Reading: 0" at 30 min
Max Reading: .15"	Max Reading: 0"	Max Reading: 0"	Max Reading: 0"

Inside Recorder





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Recovered

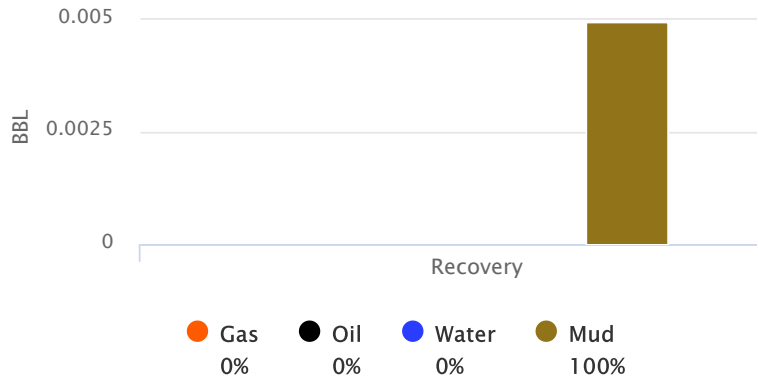
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
1	0.00492	M	0	0	0	100

Total Recovered: 1 ft  
 Total Barrels Recovered: 0.00492

**Reversed Out**  
 NO

Initial Hydrostatic Pressure	2210	PSI
Initial Flow	10 to 12	PSI
<b>Initial Closed in Pressure</b>	<b>15</b>	<b>PSI</b>
Final Flow Pressure	12 to 13	PSI
<b>Final Closed in Pressure</b>	<b>14</b>	<b>PSI</b>
Final Hydrostatic Pressure	2208	PSI
Temperature	130	°F
Pressure Change Initial Close / Final Close	4.6	%

**Recovery at a glance**



GIP cubic foot volume: 0



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**BUCKET MEASUREMENT:**

1st Open: Surface Blow. Blow didnt build  
1st Close: NOBB  
2nd Open: NOBB  
2nd Close: NOBB

**REMARKS:**

Tool Sample: 0% Gas 1% Oil 0% Water 99% Mud



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### Down Hole Makeup

<b>Heads Up:</b> 9.98 FT	<b>Packer 1:</b> 4561 FT
<b>Drill Pipe:</b> 4357.31 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 4566 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 4550.42 FT
<b>Collars:</b> 186.1 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 4568 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> 28	<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> 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> 27 FT <i>4 1/2-FH</i>	



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**Morrow+Miss**      **4594'**  
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**Mud Properties**

**Mud Type:** Chem      **Weight:** 9.3      **Viscosity:** 62      **Filtrate:** 9.6      **Chlorides:** 3000 ppm



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### Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
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Time	Orifice	PSI	MCF/D
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