



# Company: RJM Oil Company, Inc

## Lease: Morgenstern #3

SEC: 26 TWN: 17S RNG: 13W  
County: BARTON  
State: Kansas  
Drilling Contractor: Southwind Drilling, Inc - Rig 3  
Elevation: 1849 GL  
Field Name: Boger  
Pool: Infield  
Job Number: 367  
API #: 15-009-26264-00-00

**Operation:**  
Uploading recovery & pressures

**DATE**  
July  
**19**  
2019

**DST #1**      **Formation: Lansing "A-F"**      **Test Interval: 3104 - 3195'**      **Total Depth: 3195'**  
Time On: 07:56 07/19      Time Off: 16:24 07/19  
Time On Bottom: 10:24 07/19      Time Off Bottom: 13:24 07/19

Electronic Volume Estimate:  
2472'

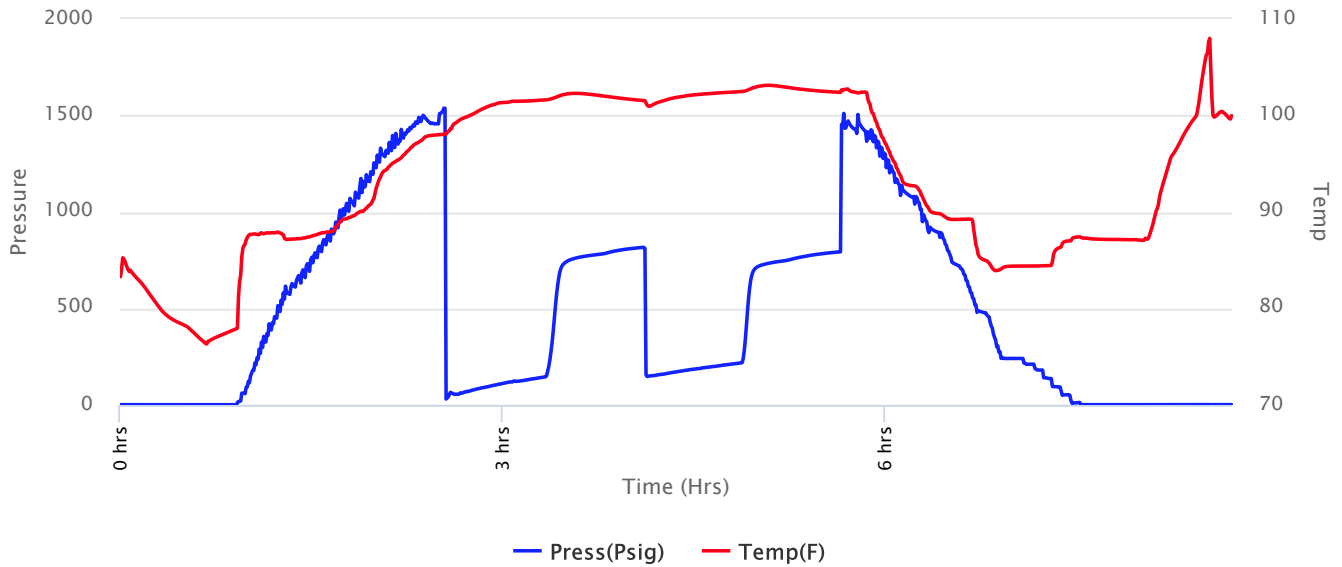
1st Open  
Minutes: 45  
Current Reading:  
221.6" at 45 min  
Max Reading: 221.6"

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

2nd Open  
Minutes: 45  
Current Reading:  
195.3" at 45 min  
Max Reading: 195.3"

2nd Close  
Minutes: 45  
Current Reading:  
0" at 45 min  
Max Reading: 0"

Inside Recorder





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Recovered

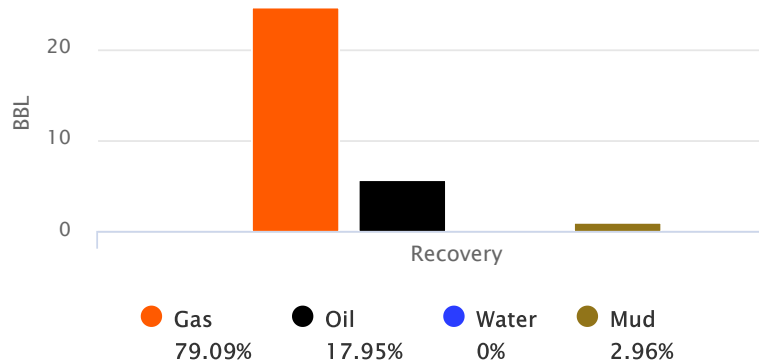
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
1635	23.26605	G	100	0	0	0
30	0.4269	OCHMCG	37	26	0	37
190	2.7037	MCGCO	24	53	0	23
325	4.62475	SLMCSLGCO	10	87	0	3

Total Recovered: 2180 ft  
 Total Barrels Recovered: 31.0214

**Reversed Out**  
**NO**

Initial Hydrostatic Pressure	1456	PSI
Initial Flow	31 to 145	PSI
<b>Initial Closed in Pressure</b>	<b>816</b>	<b>PSI</b>
Final Flow Pressure	148 to 219	PSI
<b>Final Closed in Pressure</b>	<b>793</b>	<b>PSI</b>
Final Hydrostatic Pressure	1436	PSI
Temperature	104	°F
Pressure Change Initial Close / Final Close	2.8	%

**Recovery at a glance**



GIP cubic foot volume: 137.75381



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**BUCKET MEASUREMENT:**

1st Open: Good 1 1/2" blow building to BOB 3 1/2 min.

1st Close: No BB

2nd Open: 2" blow building to BOB 5 1/2 min

2nd Close: Very weak surface BB

**REMARKS:**

Gas blew out tool to get tool sample.

Gravity: 39.8 @ 60 °F



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### Down Hole Makeup

<b>Heads Up:</b> 21.87 FT	<b>Packer 1:</b> 3099.19 FT
<b>Drill Pipe:</b> 3100.9 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3104.19 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3091.19 FT
<b>Collars:</b> 0 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3177 FT
<b>Test Tool:</b> 26.16 FT <i>ID-3 1/2-FH</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 90.81	<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> 5 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 1 FT	
<b>Drill Pipe: (in anchor):</b> 63.81 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 1 FT	
<b>Perforations: (below):</b> 19 FT <i>4 1/2-FH</i>	





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### Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D