



**Company: L. D. Drilling, Inc**  
**Lease: Barrett Trust #1-20**

SEC: 20 TWN: 8S RNG: 34W  
 County: THOMAS  
 State: Kansas  
 Drilling Contractor: L. D. Drilling, Inc - Rig 1  
 Elevation: 3261 EGL  
 Field Name: Morgan Ext  
 Pool: Infield  
 Job Number: 200

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 August  
**11**  
 2018

**DST #5**      **Formation: MARMATON**      **Test Interval: 4383 - 4480'**      **Total Depth: 4480'**  
 Time On: 02:30 08/11      Time Off: 07:58 08/11  
 Time On Bottom: 04:15 08/11      Time Off Bottom: 06:15 08/11

Electronic Volume Estimate:  
 6'

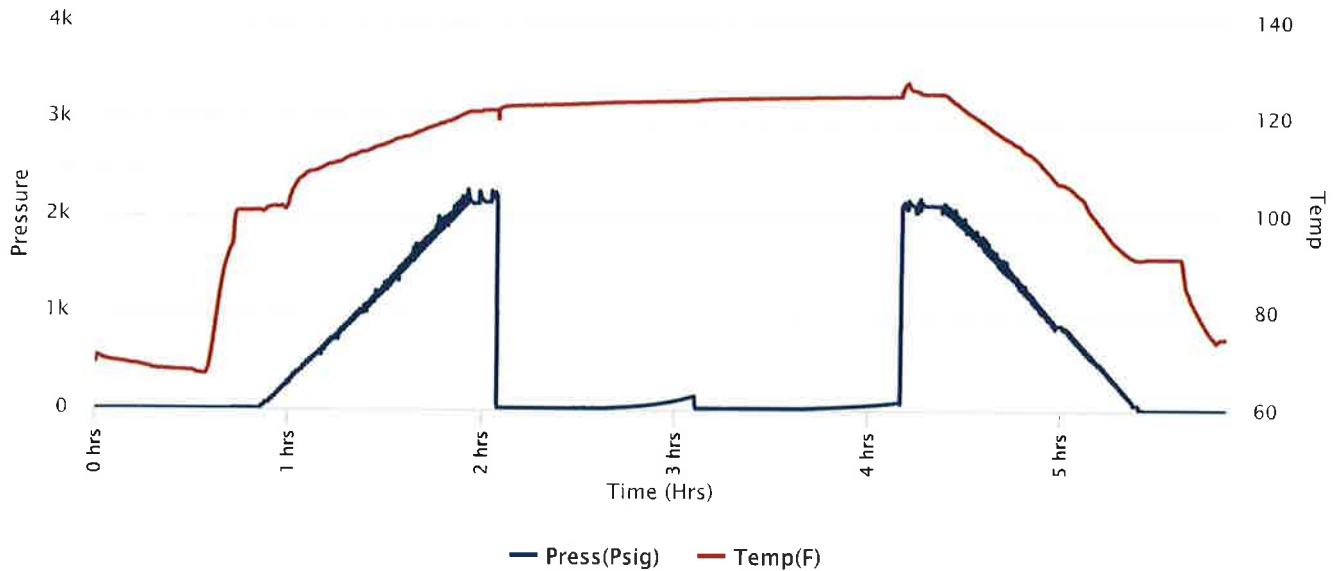
1st Open  
 Minutes: 30  
 Current Reading: .4" at 30 min  
 Max Reading: .5"

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: 0"

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

Inside Recorder





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Recovered

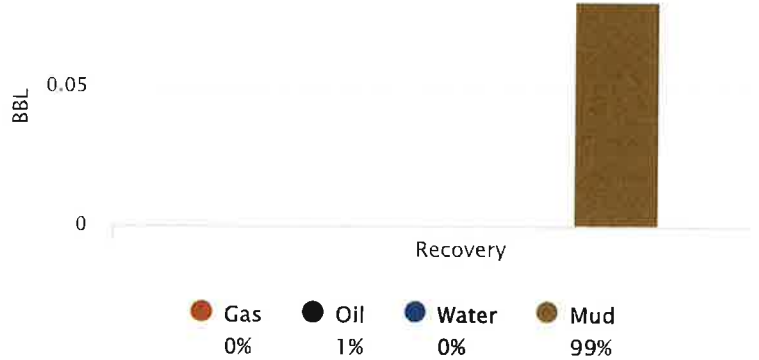
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
8	0.08208	SLOCM	0	1	0	99

Total Recovered: 8 ft  
 Total Barrels Recovered: 0.08208

Reversed Out  
 NO

**Recovery at a glance**

Initial Hydrostatic Pressure	2137	PSI
Initial Flow	16 to 17	PSI
<b>Initial Closed in Pressure</b>	<b>145</b>	<b>PSI</b>
Final Flow Pressure	18 to 18	PSI
<b>Final Closed in Pressure</b>	<b>83</b>	<b>PSI</b>
Final Hydrostatic Pressure	2124	PSI
Temperature	125	°F
Pressure Change Initial Close / Final Close	42.9	%





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**BUCKET MEASUREMENT:**

1st Open: WSB-INCREASING TO 1/2" IN 30 MINUTES

1st Close: NO BLOW BACK

2nd Open: NO BLOW-NO BUILD

2nd Close: NO BLOW BACK

**REMARKS:**

Tool Sample: 0% Gas 3% Oil 0% Water 97% Mud



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**Down Hole Makeup**

<b>Heads Up:</b> 18.44 FT	<b>Packer 1:</b> 4378 FT
<b>Drill Pipe:</b> 4368.87 FT <i>ID-3 1/4</i>	<b>Packer 2:</b> 4383 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 4367.42 FT
<b>Collars:</b> FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 4452 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> 97	<b>Surface Choke:</b> 1"
<u><b>Anchor Makeup</b></u>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 1 FT	
<b>Drill Pipe: (in anchor):</b> 62.5 FT <i>ID-3 1/4</i>	
<b>Change Over:</b> .5 FT	
<b>Perforations: (below):</b> 29 FT <i>4 1/2-FH</i>	



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**Mud Properties**

**Mud Type:** CHEMICAL **Weight:** 9.4

**Viscosity:** 53

**Filtrate:** 8.0

**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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