



**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

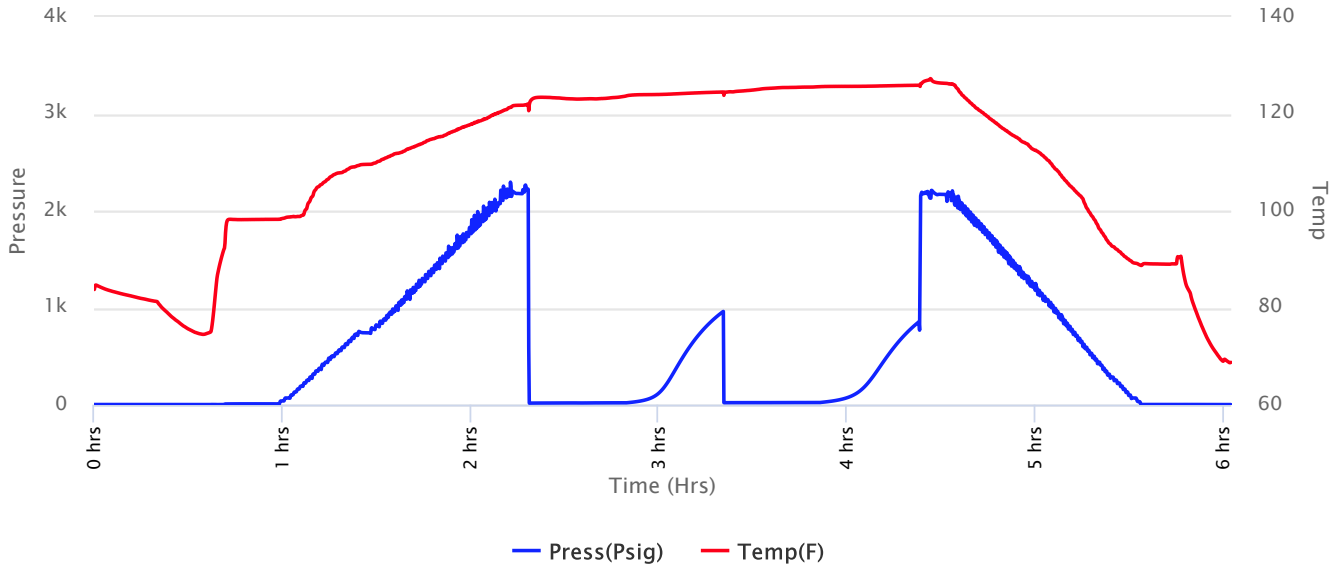
**DATE**  
 August  
**11**  
 2018

**DST #6**      **Formation: PAWNEE/MYRICK**      **Test Interval: 4484 - 4570'**      **Total Depth: 4570'**  
 Time On: 21:35 08/11      Time Off: 03:28 08/12  
 Time On Bottom: 23:48 08/11      Time Off Bottom: 01:48 08/12

Electronic Volume Estimate:  
 15'

<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: 1.25" at 30 min	Current Reading: 0" at 30 min	Current Reading: 0" at 30 min	Current Reading: 0" at 30 min
Max Reading: 1.25"	Max Reading: 0"	Max Reading: 0"	Max Reading: 0"

Inside Recorder





**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

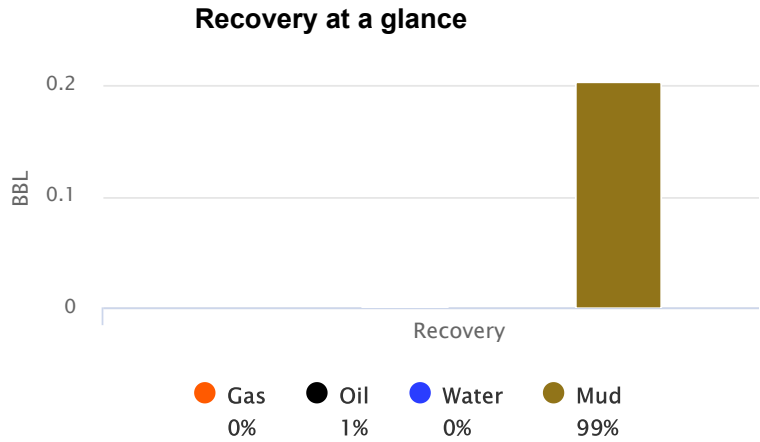
**DST #6**      **Formation: PAWNEE/MYRICK**      **Test Interval: 4484 - 4570'**      **Total Depth: 4570'**  
 Time On: 21:35 08/11      Time Off: 03:28 08/12  
 Time On Bottom: 23:48 08/11      Time Off Bottom: 01:48 08/12

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
20	0.2052	SLOCM	0	1	0	99

Total Recovered: 20 ft  
 Total Barrels Recovered: 0.2052

**Reversed Out**  
 NO

Initial Hydrostatic Pressure	2179	PSI
Initial Flow	16 to 20	PSI
<b>Initial Closed in Pressure</b>	<b>962</b>	<b>PSI</b>
Final Flow Pressure	21 to 23	PSI
<b>Final Closed in Pressure</b>	<b>856</b>	<b>PSI</b>
Final Hydrostatic Pressure	2170	PSI
Temperature	126	°F
Pressure Change Initial Close / Final Close	11.0	%





**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

<b>DST #6</b>	<b>Formation:</b> <b>PAWNEE/MYRICK</b>	<b>Test Interval: 4484 -</b> <b>4570'</b>	<b>Total Depth: 4570'</b>
	Time On: 21:35 08/11	Time Off: 03:28 08/12	
	Time On Bottom: 23:48 08/11	Time Off Bottom: 01:48 08/12	

**BUCKET MEASUREMENT:**

1st Open: WSB-INCREASING TO 1 1/4" 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



**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 #6**      **Formation: PAWNEE/MYRICK**      **Test Interval: 4484 - 4570'**      **Total Depth: 4570'**  
 Time On: 21:35 08/11      Time Off: 03:28 08/12  
 Time On Bottom: 23:48 08/11      Time Off Bottom: 01:48 08/12

**Down Hole Makeup**

<b>Heads Up:</b> 11.19 FT	<b>Packer 1:</b> 4479 FT
<b>Drill Pipe:</b> 4462.62 FT <i>ID-3 1/4</i>	<b>Packer 2:</b> 4484 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 4468.42 FT
<b>Collars:</b> FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 4553 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> 86	<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> 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> 18 FT <i>4 1/2-FH</i>	



**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 #6**      **Formation: PAWNEE/MYRICK**      **Test Interval: 4484 - 4570'**      **Total Depth: 4570'**  
Time On: 21:35 08/11      Time Off: 03:28 08/12  
Time On Bottom: 23:48 08/11      Time Off Bottom: 01:48 08/12

**Mud Properties**

**Mud Type:** CHEMICAL    **Weight:** 9.5      **Viscosity:** 48      **Filtrate:** 10.4      **Chlorides:** 4400 ppm



**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 #6**      **Formation: PAWNEE/MYRICK**      **Test Interval: 4484 - 4570'**      **Total Depth: 4570'**  
 Time On: 21:35 08/11      Time Off: 03:28 08/12  
 Time On Bottom: 23:48 08/11      Time Off Bottom: 01:48 08/12

**Gas Volume Report**

1st Open

2nd Open

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

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