

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

August 10 2018

DST #4 Formation: L/KC Test Interval: 4325 - Total Depth: 4380'

Time On: 05:30 08/10 Time Off: 12:25 08/10

Time On Bottom: 07:37 08/10 Time Off Bottom: 10:37 08/10

Electronic Volume Estimate: 100' 1st Open Minutes: 30 Current Reading: 4.4" at 30 min

Max Reading: 4.4"

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

Max Reading: 0"

2nd Open Minutes: 45 Current Reading: 4" at 45 min

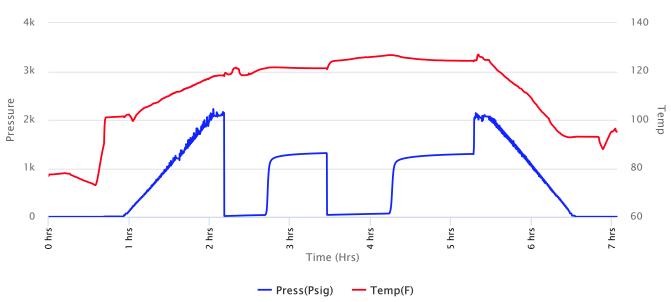
Max Reading: 4"

2nd Close Minutes: 60 Current Reading:

0" at 60 min

Max Reading: 0"







SEC: 20 TWN: 8S RNG: 34W County: THOMAS

Total Depth: 4380'

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 10 2018

**DST #4** Formation: L/KC Test Interval: 4325 -'K&L' 4380'

> Time On: 05:30 08/10 Time Off: 12:25 08/10

Time On Bottom: 07:37 08/10 Time Off Bottom: 10:37 08/10

### Recovered

<u>Foot</u>	<u>BBLS</u>	Description of Fluid	<u>Gas %</u>		
50	0.513	SLOCWCM	0		
70	0.7182	SLOCHMCW	0		

Total Recovered: 120 ft

Total Barrels Recovered: 1.2312

Reversed Out
NO

Initial Hydrostatic Pressure	2094	PSI
Initial Flow	16 to 38	PSI
Initial Closed in Pressure	1315	PSI
Final Flow Pressure	41 to 69	PSI
Final Closed in Pressure	1298	PSI
Final Hydrostatic Pressure	2084	PSI
Temperature	127	°F
		•
Pressure Change Initial	1.3	%
Close / Final Close		

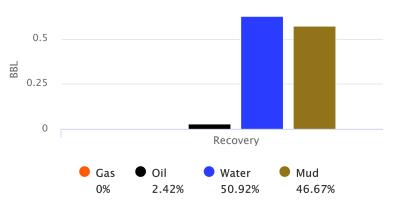
#### 70 3 27 2 30 68

Water %

Mud %

### Recovery at a glance

Oil %





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
10
2018

DST #4 Formation: L/KC Test Interval: 4325 - Total Depth: 4380' 'K&L' 4380'

Time On: 05:30 08/10 Time Off: 12:25 08/10

Time On Bottom: 07:37 08/10 Time Off Bottom: 10:37 08/10

#### **BUCKET MEASUREMENT:**

1st Open: 1/4"BLOW-INCREASING TO 4 1/2" IN 30 MINUTES

1st Close: NO BLOW BACK

2nd Open: NO BLOW-INCREASING TO 4" IN 45 MINUTES

2nd Close: NO BLOW BACK

**REMARKS:** 

Tool Sample: 0% Gas TRACE% Oil 35% Water 65% Mud

Ph: 11

Measured RW: .19 @ 79 degrees °F

RW at Formation Temp: 0.122 @ 127 °F

Chlorides: 33000 ppm



Operation:

Uploading recovery &

pressures

## 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

Total Depth: 4380'

Pool: Infield Job Number: 200

**DATE** August 10

2018

**DST #4** Formation: L/KC Test Interval: 4325 -'K&L'

4380'

Time On: 05:30 08/10 Time Off: 12:25 08/10

Time On Bottom: 07:37 08/10 Time Off Bottom: 10:37 08/10

### **Down Hole Makeup**

**Heads Up:** 14.18 FT Packer 1: 4320 FT

**Drill Pipe:** 4306.61 FT Packer 2: 4325 FT

ID-3 1/4 Top Recorder: 4309.42 FT

Weight Pipe: FT

**Bottom Recorder:** 4363 FT ID-2 7/8

Well Bore Size: 7 7/8 Collars: FT

**Surface Choke:** 1" ID-2 1/4

**Bottom Choke:** 5/8" **Test Tool:** 33.57 FT

ID-3 1/2-FH

Jars Safety Joint

**Total Anchor:** 

**Anchor Makeup** 

Packer Sub: 1 FT

Perforations: (top): 3 FT

4 1/2-FH

**Change Over:** 1 FT

Drill Pipe: (in anchor): 31.5 FT

ID-3 1/4

**Change Over:** .5 FT

Perforations: (below): 18 FT

4 1/2-FH



Operation:

Uploading recovery &

pressures

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

DATE August 10

2018

DST #4 Formation: L/KC 'K&L'

Test Interval: 4325 - Total Depth: 4380'

4380'

Time On: 05:30 08/10 Time Off: 12:25 08/10

Time On Bottom: 07:37 08/10 Time Off Bottom: 10:37 08/10

### **Mud Properties**

Mud Type: CHEMICAL Weight: 9.2 Viscosity: 56 Filtrate: 8.8 Chlorides: 3500 ppm



County: THOMAS

State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

SEC: 20 TWN: 8S RNG: 34W

Rig 1

Elevation: 3261 EGL Field Name: Morgan Ext

Pool: Infield Job Number: 200

Operation:

Uploading recovery & pressures

**DATE** 

August

10

2018

DST #4

Formation: L/KC 'K&L'

Test Interval: 4325 -

Total Depth: 4380'

4380'

Time On: 05:30 08/10 Time Off: 12:25 08/10

Time On Bottom: 07:37 08/10 Time Off Bottom: 10:37 08/10

### **Gas Volume Report**

1st Open

2nd Open

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