



Company: L. D. Drilling, Inc
Lease: Watt #4-10

SEC: 10 TWN: 16S RNG: 30W
 County: LANE
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc - Rig 1
 Elevation: 2731 EGL
 Field Name: Doll East
 Pool: Infield
 Job Number: 403
 API #: 15-101-22636-00-00

Operation:
 Uploading recovery & pressures

DATE
 November
07
 2019

DST #2 **Formation: Ft. Scott/Johnson** **Test Interval: 4352 - 4430'** **Total Depth: 4430'**
 Time On: 02:56 11/07 Time Off: 10:46 11/07
 Time On Bottom: 05:43 11/07 Time Off Bottom: 08:43 11/07

Electronic Volume Estimate:
 13'

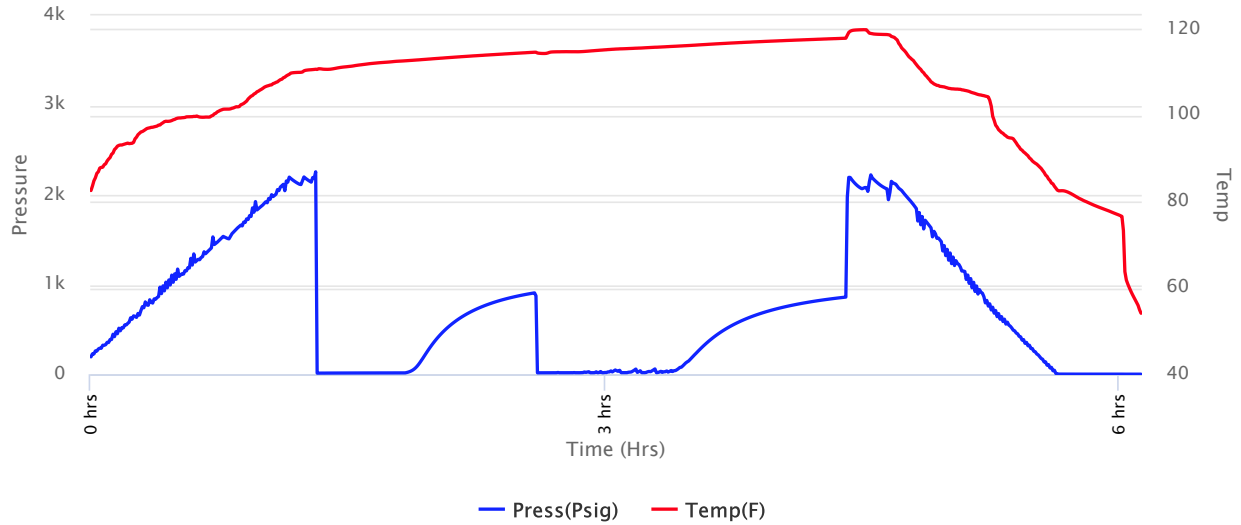
1st Open
 Minutes: 30
 Current Reading: 1.1" at 30 min
 Max Reading: 1.1"

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

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

2nd Close
 Minutes: 60
 Current Reading: 0" at 60 min
 Max Reading: 0"

Inside Recorder





Company: L. D. Drilling, Inc
Lease: Watt #4-10

SEC: 10 TWN: 16S RNG: 30W
 County: LANE
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc - Rig 1
 Elevation: 2731 EGL
 Field Name: Doll East
 Pool: Infield
 Job Number: 403
 API #: 15-101-22636-00-00

Operation:
 Uploading recovery & pressures

DATE
 November
07
 2019

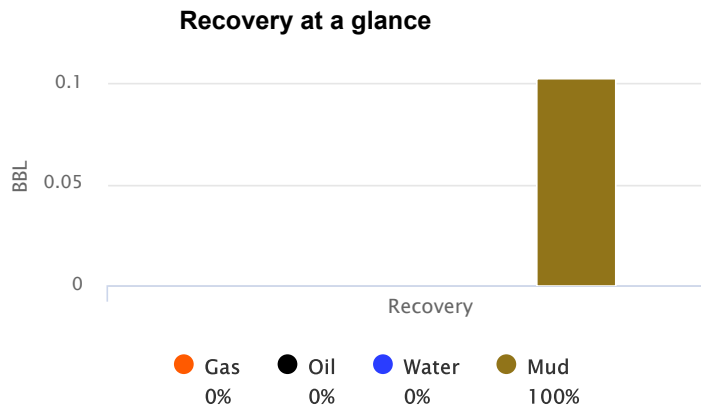
DST #2 **Formation: Ft. Scott/Johnson** **Test Interval: 4352 - 4430'** **Total Depth: 4430'**
 Time On: 02:56 11/07 Time Off: 10:46 11/07
 Time On Bottom: 05:43 11/07 Time Off Bottom: 08:43 11/07

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
10	0.1026	M	0	0	0	100

Total Recovered: 10 ft
 Total Barrels Recovered: 0.1026

Reversed Out
NO

Initial Hydrostatic Pressure	2184	PSI
Initial Flow	13 to 16	PSI
Initial Closed in Pressure	908	PSI
Final Flow Pressure	16 to 30	PSI
Final Closed in Pressure	861	PSI
Final Hydrostatic Pressure	2171	PSI
Temperature	118	°F
Pressure Change Initial Close / Final Close	5.2	%



GIP cubic foot volume: 0



Company: L. D. Drilling, Inc
Lease: Watt #4-10

SEC: 10 TWN: 16S RNG: 30W
 County: LANE
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc -
 Rig 1
 Elevation: 2731 EGL
 Field Name: Doll East
 Pool: Infield
 Job Number: 403
 API #: 15-101-22636-00-00

Operation:
 Uploading recovery &
 pressures

DATE
 November
07
 2019

DST #2	Formation: Ft. Scott/Johnson	Test Interval: 4352 - 4430'	Total Depth: 4430'
	Time On: 02:56 11/07	Time Off: 10:46 11/07	
	Time On Bottom: 05:43 11/07	Time Off Bottom: 08:43 11/07	

BUCKET MEASUREMENT:

1st Open: Surface blow building to 1"
 1st Close: No BB
 2nd Open: Surface blow
 2nd Close: No BB

REMARKS:

Tool Sample: 0% Gas 0% Oil 0% Water 100% Mud



Company: L. D. Drilling, Inc
Lease: Watt #4-10

SEC: 10 TWN: 16S RNG: 30W
 County: LANE
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc -
 Rig 1
 Elevation: 2731 EGL

Operation:Uploading recovery &
pressuresField Name: Doll East
Pool: Infield
Job Number: 403
API #: 15-101-22636-00-00**DATE**November
07
2019

DST #2	Formation: Ft. Scott/Johnson	Test Interval: 4352 - 4430'	Total Depth: 4430'
	Time On: 02:56 11/07	Time Off: 10:46 11/07	
	Time On Bottom: 05:43 11/07	Time Off Bottom: 08:43 11/07	

Down Hole Makeup

Heads Up: 27.5 FT	Packer 1: 4347.04 FT
Drill Pipe: 4346.97 FT <i>ID-3 1/4</i>	Packer 2: 4352.04 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4336.46 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 4423 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 77.96	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 4 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 62.96 FT <i>ID-3 1/4</i>	
Change Over: 1 FT	
Perforations: (below): 8 FT <i>4 1/2-FH</i>	



Company: L. D. Drilling, Inc
Lease: Watt #4-10

SEC: 10 TWN: 16S RNG: 30W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2731 EGL
Field Name: Doll East
Pool: Infield

Operation:

Uploading recovery &
pressures

Job Number: 403
API #: 15-101-22636-00-00

DATE

November

07

2019

DST #2

**Formation: Ft.
Scott/Johnson**

**Test Interval: 4352 -
4430'**

Total Depth: 4430'

Time On: 02:56 11/07

Time Off: 10:46 11/07

Time On Bottom: 05:43 11/07

Time Off Bottom: 08:43 11/07

Mud Properties

Mud Type: Chemical

Weight: 9.3

Viscosity: 56

Filtrate: 8.0

Chlorides: 3,000 ppm



Operation:

Uploading recovery &
pressures

Company: L. D. Drilling, Inc
Lease: Watt #4-10

SEC: 10 TWN: 16S RNG: 30W
County: LANE
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2731 EGL
Field Name: Doll East
Pool: Infield
Job Number: 403
API #: 15-101-22636-00-00

DATE

November

07

2019

DST #2

**Formation: Ft.
Scott/Johnson**

**Test Interval: 4352 -
4430'**

Total Depth: 4430'

Time On: 02:56 11/07

Time Off: 10:46 11/07

Time On Bottom: 05:43 11/07

Time Off Bottom: 08:43 11/07

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D