

Company: L. D. Drilling, Inc

Lease: Nuss #2

SEC: 35 TWN: 13S RNG: 32W

County: LOGAN State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 2900 EGL

Field Name: Rose Garden NW

Pool: Infield Job Number: 204

Operation: Uploading recovery & pressures

DATE

September

20

2018

DST #5 Formation: Johnson

Test Interval: 4466 -

Total Depth: 4531'

4531'

Time On: 11:09 09/20

Time Off: 19:17 09/20

Time On Bottom: 13:34 09/20 Time Off Bottom: 16:34 09/20

Electronic Volume Estimate:

592'

1st Open Minutes: 30 **Current Reading:**

22" at 30 min

Max Reading: 22"

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

Max Reading: 1"

2nd Open Minutes: 45 **Current Reading:**

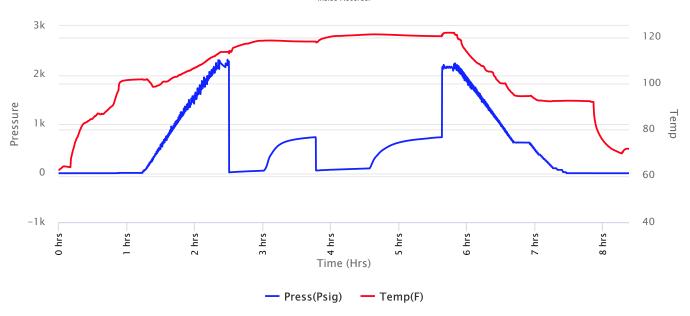
27" at 45 min

Max Reading: 27"

2nd Close Minutes: 60 **Current Reading:** .25" at 60 min

Max Reading: .25"







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Recovered

<u>Foot</u>	<u>BBLS</u>	Description of Fluid	<u>Gas %</u>	<u>Oil %</u>	Water %	Mud %
542	5.56092	G	100	0	0	0
25	0.2565	0	0	100	0	0
63	0.64638	GCMCO	20	55	0	25
63	0.64638	GCMCO	25	50	0	25
63	0.64638	GCHMCO	20	50	0	30

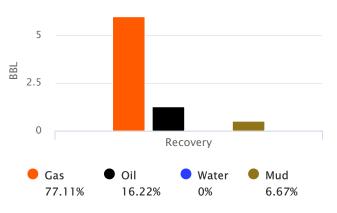
Total Recovered: 756 ft

Total Barrels Recovered: 7.75656

Reversed NO	Out
NO	

Initial Hydrostatic Pressure	2200	PSI
Initial Flow	15 to 50	PSI
Initial Closed in Pressure	734	PSI
Final Flow Pressure	54 to 96	PSI
Final Closed in Pressure	732	PSI
Final Hydrostatic Pressure	2181	PSI
Temperature	122	°F
Pressure Change Initial	0.2	%
Close / Final Close		

Recovery at a glance





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BUCKET MEASUREMENT:

1st Open: 1/4" bob in 14min

1st Close: Built to 1"

2nd Open: 1/4" bob in 14min 2nd Close: built to 1/4"

REMARKS:

Tool Sample: 3% Gas 62% Oil 5% Water 30% Mud

Gravity: 28.5 @ 60 °F



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Down Hole Makeup

Heads Up: 31.29 FT **Packer 1:** 4461 FT

Drill Pipe: 4464.72 FT **Packer 2:** 4466 FT

ID-3 1/4 **Top Recorder:** 4450.42 FT

Weight Pipe: FT Bottom Recorder: 4503 FT

ID-2 7/8 Well Bore Size: 7 7/8

ID-2 1/4 Surface Choke: 1"

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

ID-3 1/2-FH

Collars:

Jars Safety Joint

Total Anchor: 65

Anchor Makeup

FT

Packer Sub: 1 FT

Perforations: (top): 2 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): 29 FT

4 1/2-FH



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Mud Properties

Mud Type: Chemical Viscosity: 55 Chlorides: 4500 ppm Weight: 9.3 Filtrate: 8.0