

SEC: 32 TWN: 15S RNG: 14W

County: RUSSELL State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 8

Elevation: 1914 GL Field Name: Nuss Pool: Infield Job Number: 363

API #: 15-167-24094-00-00

Operation:

Uploading recovery & pressures

DATEJuly

18 2019

DST #5 Formation: Lan K-L Test Interval: 3330 - Total Depth: 3366'

3366'

Time On: 11:45 07/18 Time Off: 16:14 07/18

Time On Bottom: 12:32 07/18 Time Off Bottom: 14:32 07/18

Electronic Volume Estimate:

4'

1st Open Minutes: 30 Current Reading:

.1" at 30 min

Max Reading: .15"

1st Close Minutes: 30 Current Reading:

0" at 30 min Max Reading: 0" 2nd Open Minutes: 30

Current Reading: 0" at 30 min

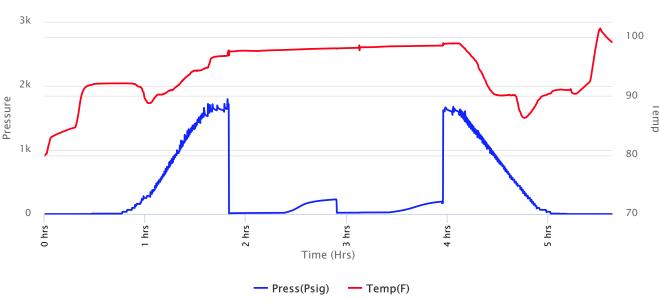
Max Reading: 0"

2nd Close Minutes: 30 Current Reading:

0" at 30 min

Max Reading: 0"

Inside Recorder





SEC: 32 TWN: 15S RNG: 14W

County: RUSSELL State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 8

Elevation: 1914 GL Field Name: Nuss Pool: Infield Job Number: 363

API #: 15-167-24094-00-00

Operation:

Uploading recovery & pressures

> **DATE** July 18 2019

DST #5 Formation: Lan K-L Test Interval: 3330 -

Total Depth: 3366'

3366'

Time On: 11:45 07/18 Time Off: 16:14 07/18

Time On Bottom: 12:32 07/18 Time Off Bottom: 14:32 07/18

Recovered

Foot BBLS 12 0.05904 **Description of Fluid** Μ

Gas % 0

<u>Oil %</u> 0

Water % 0

Mud % 100

Total Recovered: 12 ft

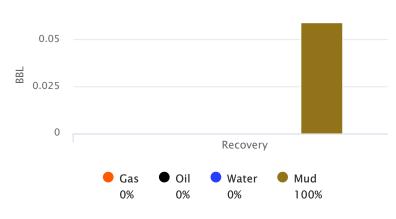
Total Barrels Recovered: 0.05904

Reversed Out NO

| Initial Hydrostatic Pressure | 1596 | PSI |
|------------------------------|----------|-----|
| Initial Flow | 12 to 20 | PSI |
| Initial Closed in Pressure | 229 | PSI |
| Final Flow Pressure | 20 to 27 | PSI |
| Final Closed in Pressure | 193 | PSI |
| Final Hydrostatic Pressure | 1584 | PSI |
| Temperature | 99 | °F |
| | | |
| Pressure Change Initial | 15.8 | % |

Close / Final Close

Recovery at a glance



GIP cubic foot volume: 0



SEC: 32 TWN: 15S RNG: 14W County: RUSSELL

State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 8

Elevation: 1914 GL Field Name: Nuss Pool: Infield Job Number: 363

API #: 15-167-24094-00-00

Operation:

Uploading recovery & pressures

> **DATE** July

18 2019

DST #5 Formation: Lan K-L

Test Interval: 3330 -3366'

Total Depth: 3366'

Time On: 11:45 07/18 Time Off: 16:14 07/18

Time On Bottom: 12:32 07/18 Time Off Bottom: 14:32 07/18

BUCKET MEASUREMENT:

1st Open: 1/4" Blow. Blow Didn't Build and died to to wsb.

1st Close: NOBB 2nd Open: No Blow 2nd Close: NOBB

REMARKS:

Flush tool 10 mins into the second opening. (GOOD FLUSH)

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



Operation:

Uploading recovery &

pressures

Company: Russell Oil, Inc

Lease: Nuss "C" #2

SEC: 32 TWN: 15S RNG: 14W

County: RUSSELL State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 8

Elevation: 1914 GL Field Name: Nuss Pool: Infield Job Number: 363

API #: 15-167-24094-00-00

DATE

July **18**

2019

DST #5

Test Interval: 3330 - 3366'

Total Depth: 3366'

33

Formation: Lan K-L

Time On: 11:45 07/18 Time Off: 16:14 07/18

Time On Bottom: 12:32 07/18 Time Off Bottom: 14:32 07/18

Down Hole Makeup

Heads Up: 24.58 FT **Packer 1:** 3325 FT

Drill Pipe: 3201.91 FT **Packer 2:** 3330 FT

ID-3 1/2

Top Recorder: 3314.42 FT

Weight Pipe: FT Bottom Recorder: 3332 FT

ID-2 7/8

Collars: 120.1 FT 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

Jars Safety Joint

Total Anchor: 36

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): FT

4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT

ID-3 1/2

Change Over: FT

Perforations: (below): 35 FT

4 1/2-FH



Company: Russell Oil, Inc

Lease: Nuss "C" #2

SEC: 32 TWN: 15S RNG: 14W County: RUSSELL

County: RUSSELI State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 8

Elevation: 1914 GL Field Name: Nuss Pool: Infield Job Number: 363

API #: 15-167-24094-00-00

Uploading recovery & pressures

Operation:

DATE D

July **18**

2019

DST #5 Formation: Lan K-L

Test Interval: 3330 -

Total Depth: 3366'

3366'

Time On: 11:45 07/18 Time Off: 16:14 07/18

Time On Bottom: 12:32 07/18 Time Off Bottom: 14:32 07/18

Mud Properties

Mud Type: Chem Weight: 9.1 Viscosity: 39 Filtrate: 8 Chlorides: 7800 ppm



SEC: 32 TWN: 15S RNG: 14W

County: RUSSELL State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 8

Elevation: 1914 GL Field Name: Nuss Pool: Infield Job Number: 363

API #: 15-167-24094-00-00

Operation:
Uploading recovery & pressures

DATE
July
18
2019

DST #5 Formation: Lan K-L Test Interval: 3330 - Total Depth: 3366'

3366'

Time On: 11:45 07/18 Time Off: 16:14 07/18

Time On Bottom: 12:32 07/18 Time Off Bottom: 14:32 07/18

Gas Volume Report

1st Open 2nd Open

| Time | Orifice | PSI | MCF/D | Time | Orifice | PSI | MCF/D |
|------|---------|-----|-------|------|---------|-----|-------|
| | | | | I | | | |