

# Company: Ritchie Exploration, Inc.

Lease: Ramsey Trust 15B #1

SEC: 15 TWN: 19S RNG: 31W

County: SCOTT State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 12

Elevation: 2952 EGL

Field Name: Grigston SW Ext

Pool: Infield Job Number: 358 API #: 15-171-21251

Operation:

Uploading recovery & pressures

**DATE** 

June

21

2019

**DST #4** Formation: Lans K+L

Test Interval: 4240 -

Total Depth: 4326'

4326'

Time On: 07:49 06/21 Time Off: 15:59 06/21

Time On Bottom: 10:16 06/21 Time Off Bottom: 13:16 06/21

Electronic Volume Estimate: 1039'

1st Open Minutes: 30 **Current Reading:** 47.9" at 30 min

Max Reading: 47.9"

Current Reading: 0" at 45 min Max Reading: 0"

1st Close

Minutes: 45

2nd Open Minutes: 45 **Current Reading:** 38.7" at 45 min

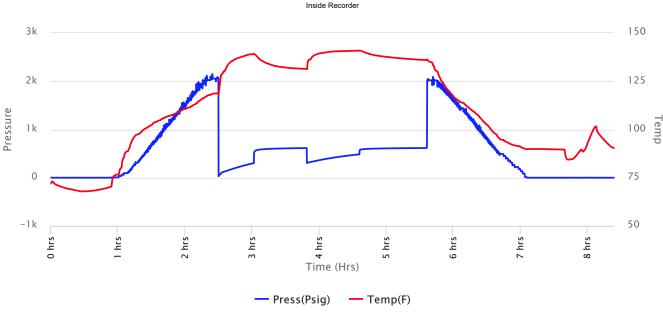
Minutes: 60 Current Reading: 0" at 60 min

2nd Close

Max Reading: 38.7"

Max Reading: 0"

Inside Recorder





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#### Recovered

| <u>Foot</u> | <u>BBLS</u> | Description of Fluid |
|-------------|-------------|----------------------|
| 174         | 2.47602     | SLOCHWCM             |
| 882         | 10.818269   | SLMCW                |

Gas % <u>Oil %</u> Water % Mud % 0 2 48 50 0 0 98 2

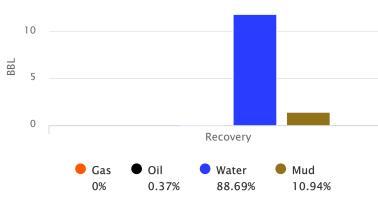
Total Recovered: 1056 ft

Total Barrels Recovered: 13.294289

Reversed Out NO

| Initial Hydrostatic Pressure | 2018       | PSI |
|------------------------------|------------|-----|
| Initial Flow                 | 30 to 302  | PSI |
| Initial Closed in Pressure   | 614        | PSI |
| Final Flow Pressure          | 306 to 483 | PSI |
| Final Closed in Pressure     | 615        | PSI |
| Final Hydrostatic Pressure   | 2018       | PSI |
| Temperature                  | 141        | °F  |
|                              |            |     |
| Pressure Change Initial      | 0.0        | %   |
| Close / Final Close          |            |     |

# Recovery at a glance



GIP cubic foot volume: 0



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#### **BUCKET MEASUREMENT:**

1st Open: 1/2" Blow. BOB in 6 mins

1st Close: NOBB

2nd Open: 1/4" Blow. BOB in 11 mins

2nd Close: NOBB

**REMARKS:** 

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

Ph: 7

Measured RW: .33 @ 80 degrees °F

RW at Formation Temp: 0.194 @ 141 °F

Chlorides: 27,000 ppm



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## **Down Hole Makeup**

**Heads Up:** 22.36 FT Packer 1: 4235.09 FT

**Drill Pipe:** 4043.78 FT Packer 2: 4240.09 FT

ID-3 1/2

Top Recorder: 4224.51 FT

Weight Pipe: FT **Bottom Recorder:** 4310 FT

ID-2 7/8

Well Bore Size: 7 7/8 Collars: 186.1 FT

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

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

ID-3 1/2-FH

Jars

Safety Joint

**Total Anchor:** 85.91

**Anchor Makeup** 

Packer Sub: 1 FT

Perforations: (top): 3 FT

4 1/2-FH

**Change Over:** .5 FT

Drill Pipe: (in anchor): 63.41 FT

ID-3 1/2

**Change Over:** 1 FT

Perforations: (below): 17 FT

4 1/2-FH



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## **Mud Properties**

Chlorides: 2000 ppm Mud Type: Chem Weight: 9.3 Viscosity: 51 Filtrate: 6.4



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# **Gas Volume Report**

1st Open 2nd Open

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