



**Company: Raymond Oil
Company, Inc
Lease: Bever #2**

SEC: 11 TWN: 14S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2840 GL
Field Name: Rose Garden
Pool: Infield
Job Number: 197

Operation:
Uploading recovery &
pressures

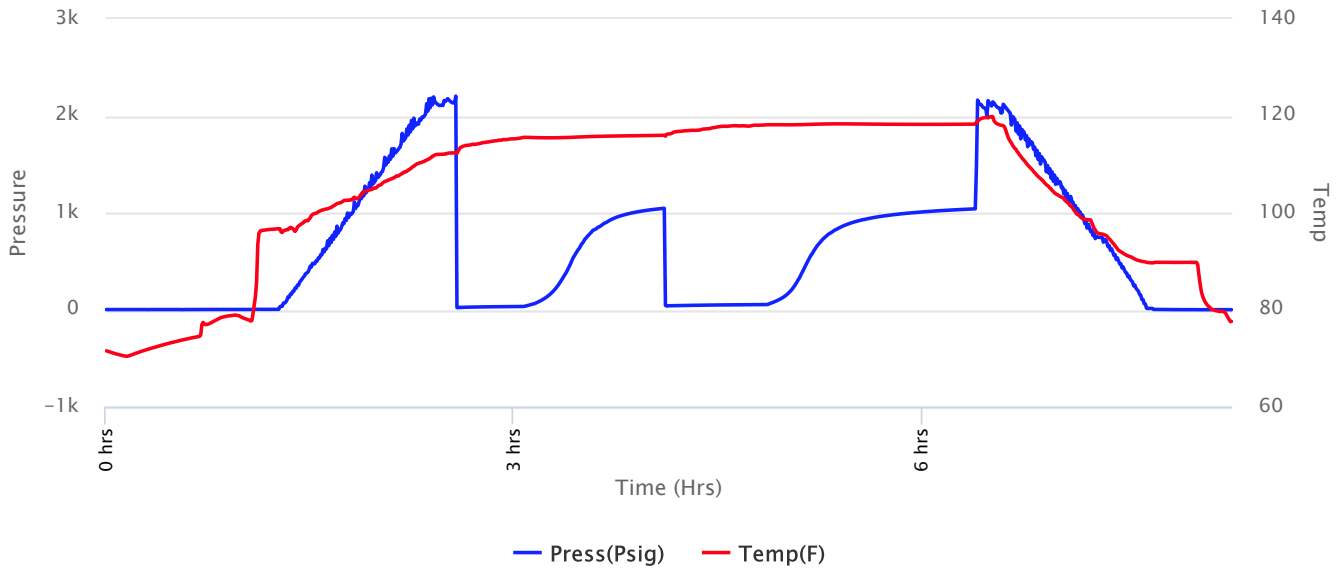
DATE
August
23
2018

DST #4 **Formation: Myrick station/ Cherokee** **Test Interval: 4342 - 4430'** **Total Depth: 4430'**
Time On: 23:51 08/23 Time Off: 07:55 08/24
Time On Bottom: 02:20 08/24 Time Off Bottom: 06:05 08/24

Electronic Volume
Estimate:
199'

| <u>1st Open</u> | <u>1st Close</u> | <u>2nd Open</u> | <u>2nd Close</u> |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Minutes: 30 | Minutes: 60 | Minutes: 45 | Minutes: 90 |
| Current Reading: 8" at 30 min | Current Reading: 0" at 60 min | Current Reading: 9" at 45 min | Current Reading: 0" at 90 min |
| Max Reading: 8" | Max Reading: 0" | Max Reading: 9" | Max Reading: 0" |

Inside Recorder





**Company: Raymond Oil
Company, Inc
Lease: Bever #2**

SEC: 11 TWN: 14S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2840 GL
Field Name: Rose Garden
Pool: Infield
Job Number: 197

Operation:
Uploading recovery &
pressures

DATE
August
23
2018

DST #4 **Formation: Myrick station/ Cherokee** **Test Interval: 4342 - 4430'** **Total Depth: 4430'**
Time On: 23:51 08/23 Time Off: 07:55 08/24
Time On Bottom: 02:20 08/24 Time Off Bottom: 06:05 08/24

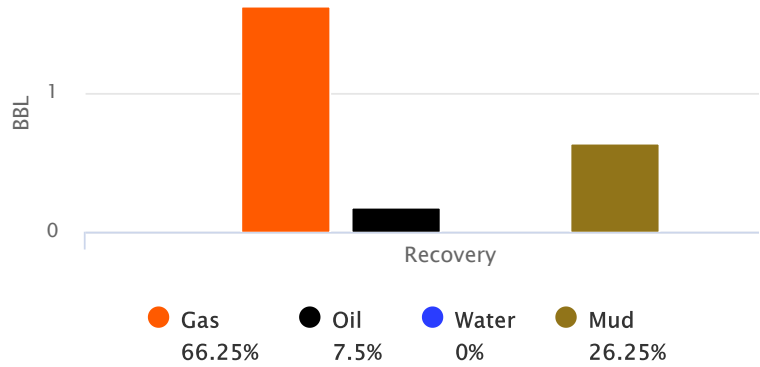
| Recovered | | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|-----------|--------|----------------------|-------|-------|---------|-------|
| Foot | BBLs | | | | | |
| 150 | 1.539 | G | 100 | 0 | 0 | 0 |
| 90 | 0.9234 | SLGCOCM | 10 | 20 | 0 | 70 |

Total Recovered: 240 ft
Total Barrels Recovered: 2.4624

Reversed Out
NO

| | | |
|---|-------------|------------|
| Initial Hydrostatic Pressure | 2142 | PSI |
| Initial Flow | 22 to 33 | PSI |
| Initial Closed in Pressure | 1046 | PSI |
| Final Flow Pressure | 38 to 53 | PSI |
| Final Closed in Pressure | 1040 | PSI |
| Final Hydrostatic Pressure | 2116 | PSI |
| Temperature | 119 | °F |
| Pressure Change Initial Close / Final Close | 0.6 | % |

Recovery at a glance





**Company: Raymond Oil
Company, Inc
Lease: Bever #2**

SEC: 11 TWN: 14S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2840 GL
Field Name: Rose Garden
Pool: Infield
Job Number: 197

Operation:
Uploading recovery &
pressures

DATE
August
23
2018

| | | | |
|---------------|--|--|---------------------------|
| DST #4 | Formation: Myrick station/ Cherokee | Test Interval: 4342 - 4430' | Total Depth: 4430' |
| | Time On: 23:51 08/23 | Time Off: 07:55 08/24 | |
| | Time On Bottom: 02:20 08/24 | Time Off Bottom: 06:05 08/24 | |

BUCKET MEASUREMENT:

1st Open: Built to 8"
1st Close: No blow
2nd Open: Built to 9"
2nd Close: No blow

REMARKS:

Tool Sample: 5% Gas 25% Oil 0% Water 70% Mud



**Company: Raymond Oil
Company, Inc
Lease: Bever #2**

SEC: 11 TWN: 14S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2840 GL
Field Name: Rose Garden
Pool: Infield
Job Number: 197

Operation:
Uploading recovery &
pressures

DATE
August
23
2018

DST #4 **Formation: Myrick station/ Cherokee** **Test Interval: 4342 - 4430'** **Total Depth: 4430'**
Time On: 23:51 08/23 Time Off: 07:55 08/24
Time On Bottom: 02:20 08/24 Time Off Bottom: 06:05 08/24

Down Hole Makeup

| | |
|--|---------------------------------|
| Heads Up: 30.15 FT | Packer 1: 4336.94 FT |
| Drill Pipe: 4339.52 FT <i>ID-3 1/4</i> | Packer 2: 4341.94 FT |
| Weight Pipe: FT <i>ID-2 7/8</i> | Top Recorder: 4326.36 FT |
| Collars: FT <i>ID-2 1/4</i> | Bottom Recorder: 4428 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: 88.06 | Surface Choke: 1" |
| Anchor Makeup | Bottom Choke: 5/8" |
| Packer Sub: 1 FT | |
| Perforations: (top): 19 FT <i>4 1/2-FH</i> | |
| Change Over: 1 FT | |
| Drill Pipe: (in anchor): 63.06 FT <i>ID-3 1/4</i> | |
| Change Over: 1 FT | |
| Perforations: (below): 3 FT <i>4 1/2-FH</i> | |



**Company: Raymond Oil
Company, Inc
Lease: Bever #2**

SEC: 11 TWN: 14S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2840 GL
Field Name: Rose Garden
Pool: Infield
Job Number: 197

Operation:
Uploading recovery &
pressures

DATE
August
23
2018

DST #4 **Formation: Myrick
station/ Cherokee** **Test Interval: 4342 -
4430'** **Total Depth: 4430'**
Time On: 23:51 08/23 Time Off: 07:55 08/24
Time On Bottom: 02:20 08/24 Time Off Bottom: 06:05 08/24

Mud Properties

Mud Type: Chemical **Weight:** 9.2 **Viscosity:** 64 **Filtrate:** 8.8 **Chlorides:** 4000 ppm



**Company: Raymond Oil
Company, Inc
Lease: Bever #2**

SEC: 11 TWN: 14S RNG: 32W
County: LOGAN
State: Kansas
Drilling Contractor: L. D. Drilling, Inc -
Rig 1
Elevation: 2840 GL
Field Name: Rose Garden
Pool: Infield
Job Number: 197

Operation:
Uploading recovery &
pressures

DATE
August
23
2018

DST #4 **Formation: Myrick station/ Cherokee** **Test Interval: 4342 - 4430'** **Total Depth: 4430'**
Time On: 23:51 08/23 Time Off: 07:55 08/24
Time On Bottom: 02:20 08/24 Time Off Bottom: 06:05 08/24

Gas Volume Report

1st Open

2nd Open

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

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