



**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313

TIME ON: 5:23  
 TIME OFF: 13:47

**DRILL-STEM TEST TICKET**  
 FILE: Hanks-MRLIUnit1Dst2

Company Raymond Oil Company Inc. Lease & Well No. Hanks-MRLI Unit #1  
 Contractor L.D Drilling Charge to Raymond Oil Company Inc  
 Elevation 2611 KB Formation Chero Snd Effective Pay -- Ft. Ticket No. SO441  
 Date 02/02/2014 Sec. 26 Twp. 18 S Range 27 W County Lane State KANSAS  
 Test Approved By Kim Shoemaker Diamond Representative Jacob McCallie

Formation Test No. 2 Interval Tested from 4518 ft. to 4540 ft. Total Depth 4540 ft.

Packer Depth 4513 ft. Size 6 3/4 in. Packer depth          ft. Size 6 3/4 in.

Packer Depth 4518 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set         

Top Recorder Depth (Inside) 4499 ft. Recorder Number 5155 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4523 ft. Recorder Number 5586 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth          ft. Recorder Number          Cap.          P.S.I.

Mud Type Chem Viscosity 54 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.3 Water Loss 6.8 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in

Chlorides 3,500 P.P.M. Drill Pipe Length 4485 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 22 ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: WSB Built to 1 1/2" in 30 min NOBB

2nd Open: WSB Died in 10 mins NOBB

Recovered 9 ft. of OSM 100% M (few oil specks)

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

Remarks: Diesel in bucket

Tool Sample: 1% O 99% M

Time Set Packer(s) 8:30 am A.M. Time Started Off Bottom 12:00 pm P.M. Maximum Temperature         

Initial Hydrostatic Pressure..... (A) 2255 P.S.I.

Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 12 P.S.I.

Initial Closed In Period..... Minutes 60 (D) 1064 P.S.I.

Final Flow Period..... Minutes 45 (E) 13 P.S.I. to (F) 15 P.S.I.

Final Closed In Period..... Minutes 75 (G) 937 P.S.I.

Final Hydrostatic Pressure..... (H) 2254 P.S.I.

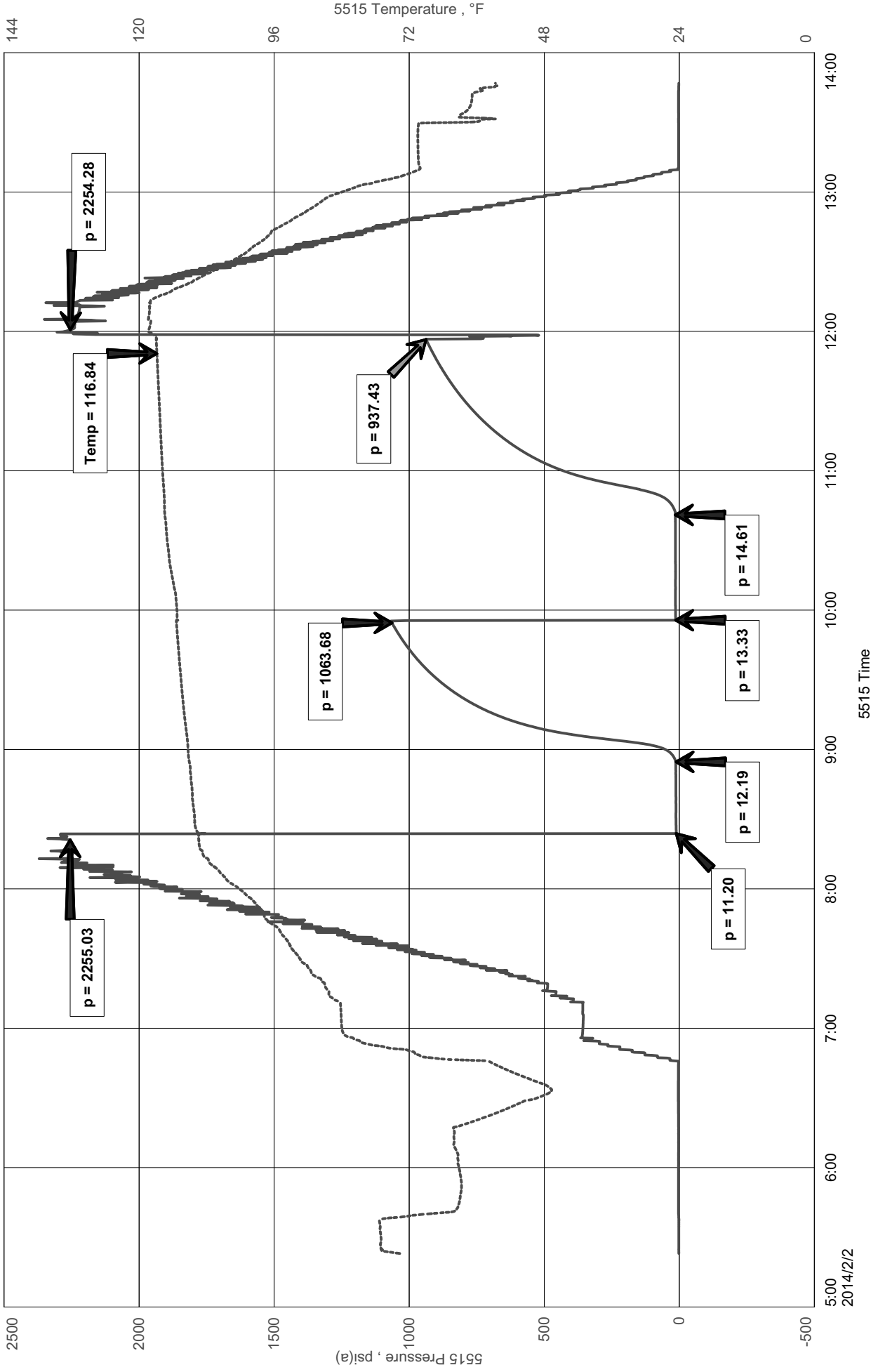
|               |  |
|---------------|--|
| Price Job     |  |
| Other Charges |  |
| Insurance     |  |
| Total         |  |

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Raymond Oil Company Inc  
Dst 2 4518-4540 Chero Snd  
Start Test Date: 2014/02/01  
Final Test Date: 2014/02/01

Hanks-MRLI Unit # 1  
Formation: Dst 2 4518-4540 Chero Snd  
Pool: WC  
Job Number: SO441

# Hanks-MRLI Unit # 1



# Diamond Testing

## General information Report

### General Information

Company Name Raymond Oil Company Inc

|                     |                             |                |              |
|---------------------|-----------------------------|----------------|--------------|
| Contact             | Clarke Sandberg             | Job Number     | SO441        |
| Well Name           | Hanks-MRLI Unit # 1         | Representative | Ricky Ray    |
| Unique Well ID      | Dst 2 4518-4540 Chero Snd   | Well Operator  | L.D Drilling |
| Surface Location    | Sec: 26 18s 27w Lane County | Report Date    | 2014/02/01   |
| Well License Number |                             | Prepared By    | Ricky Ray    |
| Field               | Wildcat                     |                |              |
| Well Type           | Vertical                    |                |              |

|                     |                           |                 |          |
|---------------------|---------------------------|-----------------|----------|
| Test Type           | Drill Stem Test           | Start Test Time | 05:23:00 |
| Formation           | Dst 2 4518-4540 Chero Snd | Final Test Time | 13:47:00 |
| Well Fluid Type     | 01 Oil                    |                 |          |
| Start Test Date     | 2014/02/01                |                 |          |
| Final Test Date     | 2014/02/01                |                 |          |
| Gauge Name          | 5515                      |                 |          |
| Gauge Serial Number |                           |                 |          |

### Test Results

RECOVERED:  
9' OSM 100% M (few oil specks)

TOOL SAMPLE:  
1% O 99% M