



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

**28-17s-12w Barton KS**

1515 Wynkoop STE 700  
Denver CO, 80202

**Hoffman Ranch 1-28**

ATTN: Dan Pritchard

Job Ticket: 54040

**DST#: 1**

Test Start: 2014.05.08 @ 22:31:00

## GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:16:45

Time Test Ended: 10:06:30

Test Type: Conventional Straddle (Initial)

Tester: Cody Bloedorn

Unit No: 73

**Interval: 3006.00 ft (KB) To 3059.00 ft (KB) (TVD)**

Reference Elevations: 1902.00 ft (KB)

Total Depth: 3080.00 ft (KB) (TVD)

1892.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8648**

**Inside**

Press@RunDepth: 60.15 psig @ 3043.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.08

End Date:

2014.05.09

Last Calib.:

2014.05.09

Start Time: 22:31:05

End Time:

10:06:30

Time On Btm:

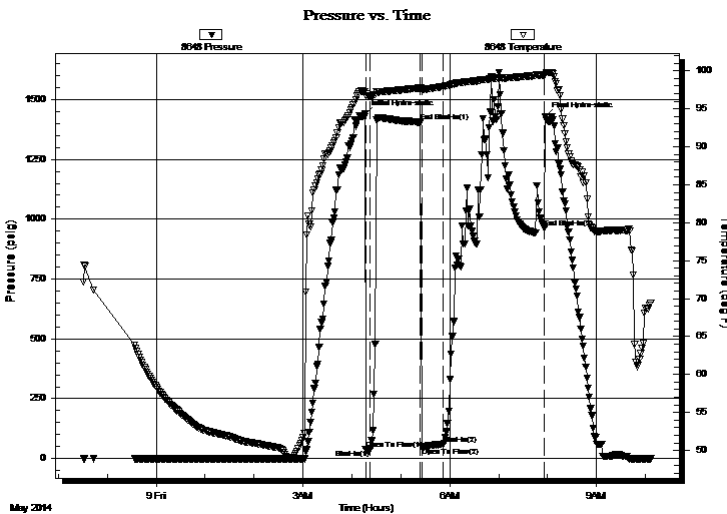
2014.05.09 @ 04:16:15

Time Off Btm:

2014.05.09 @ 07:57:15

**TEST COMMENT:** 05 - IF-8" Blow  
60 - IS- No return  
30 - FF-9" blow  
120 - FS- No return

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1438.70         | 97.26        | Initial Hydro-static |
| 1           | 38.56           | 96.77        | Open To Flow (1)     |
| 7           | 38.79           | 96.65        | Shut-In(1)           |
| 68          | 1406.11         | 97.76        | End Shut-In(1)       |
| 70          | 46.44           | 97.50        | Open To Flow (2)     |
| 96          | 60.15           | 97.95        | Shut-In(2)           |
| 220         | 964.71          | 99.47        | End Shut-In(2)       |
| 221         | 1429.46         | 99.53        | Final Hydro-static   |

## Recovery

| Length (ft) | Description     | Volume (bbl) |
|-------------|-----------------|--------------|
| 62.00       | OCM, 20%O, 80%M | 0.87         |
| 30.00       | GO, 20%G, 80%O  | 0.42         |
| 0.00        | 62' of G.I.P.   | 0.00         |
|             |                 |              |
|             |                 |              |

## Gas Rates

|  | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
|  |                |                 |                  |







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**FLUID SUMMARY**

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Denver CO, 80202

**Hoffman Ranch 1-28**

Job Ticket: 54040

**DST#: 1**

ATTN: Dan Pritchard

Test Start: 2014.05.08 @ 22:31:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 41.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

| Length<br>ft | Description     | Volume<br>bbbl |
|--------------|-----------------|----------------|
| 62.00        | OCM, 20%O, 80%M | 0.870          |
| 30.00        | GO, 20%G, 80%O  | 0.421          |
| 0.00         | 62' of G.I.P.   | 0.000          |

Total Length: 92.00 ft      Total Volume: 1.291 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

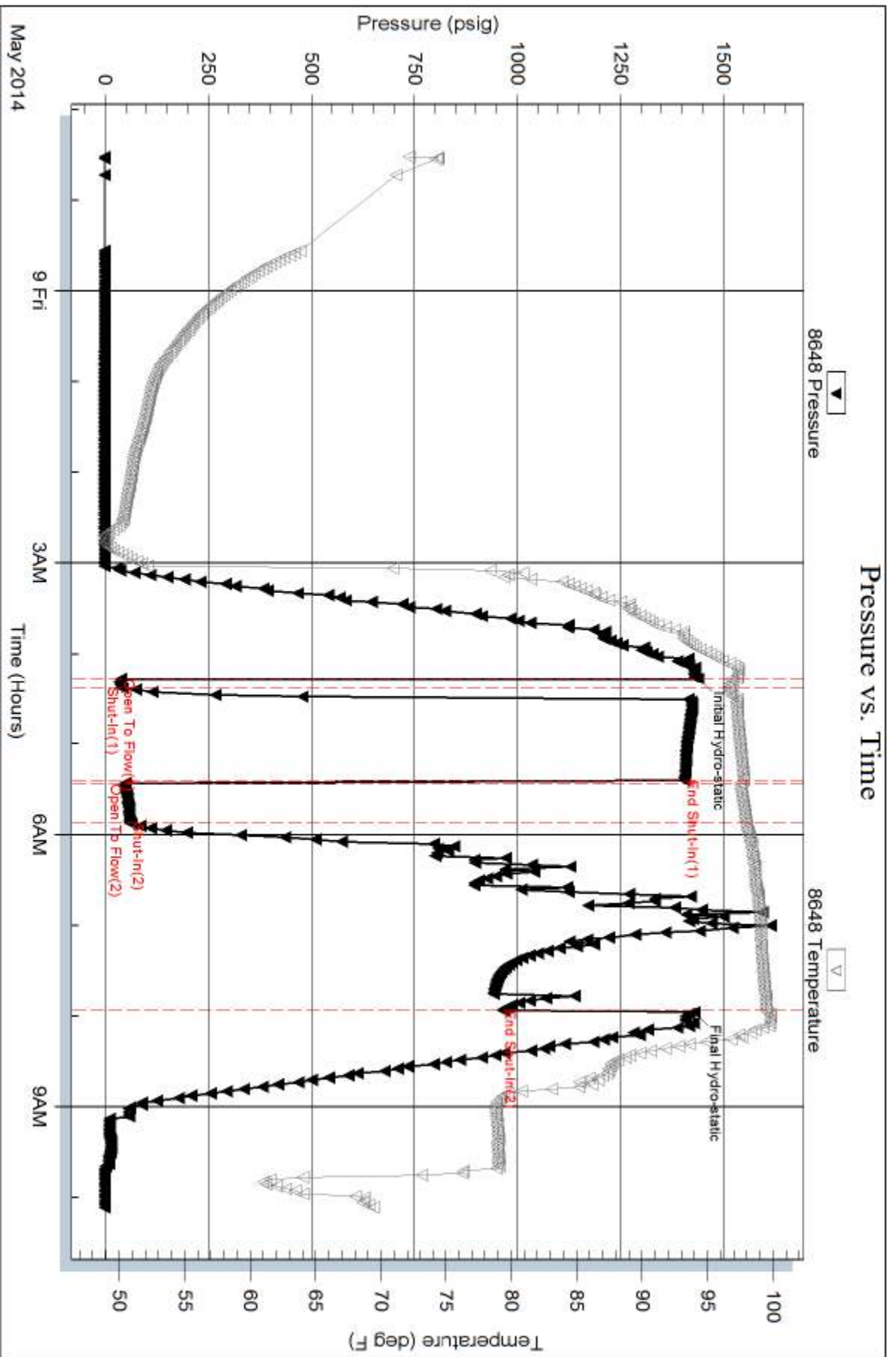
Laboratory Name:

Laboratory Location:

Recovery Comments: slid through the 2nd open

Sampler: 2,000ML oil, PSI: 625

Gravity: 34 @ 60 Degrees = 34





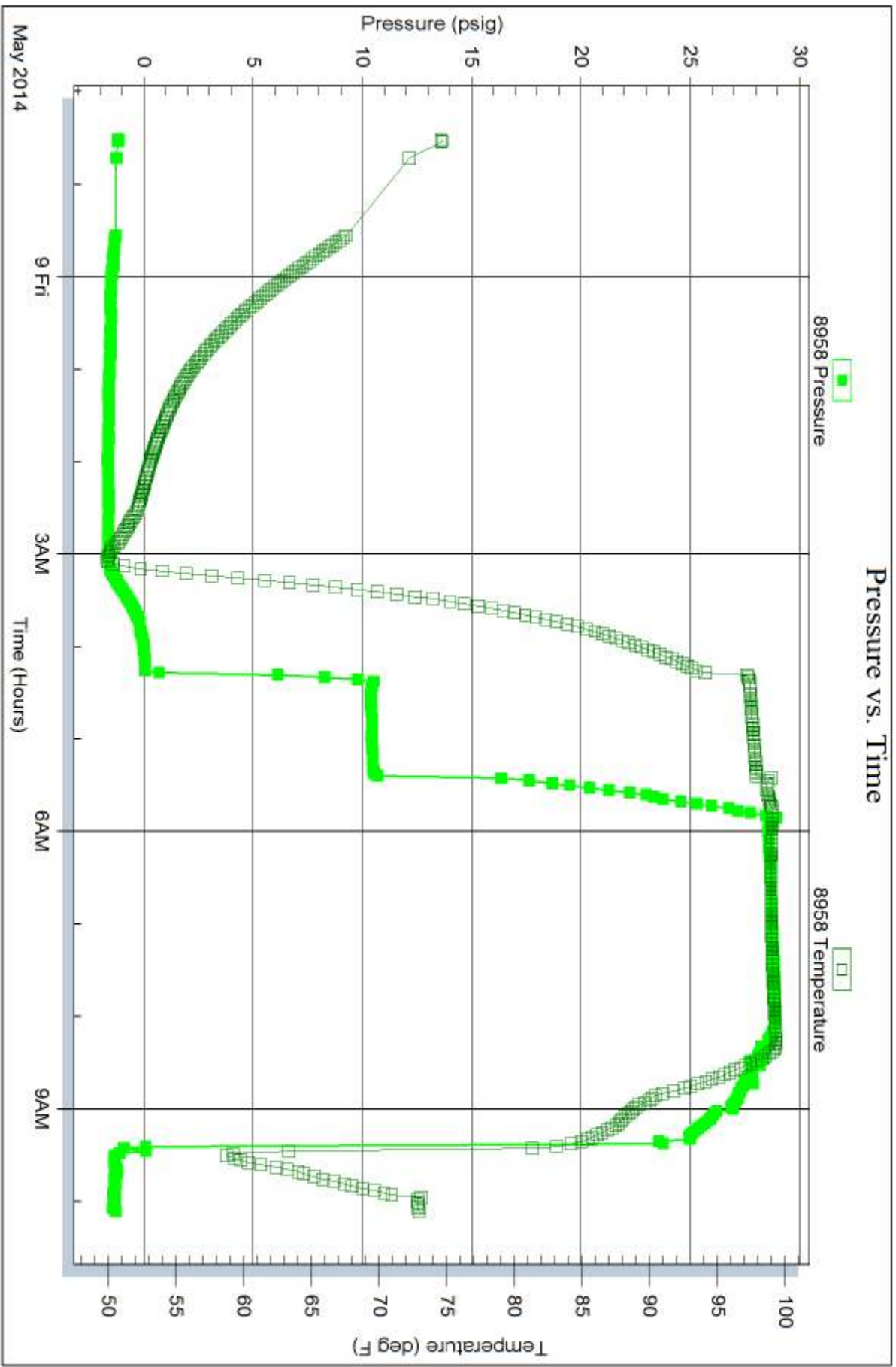
Serial #: 8958

Fluid

Samuel Gary Jr. & Associates

Hoffman Ranch 1-28

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 54040

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