



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

**36-4S-35W Rawlins, KS**

1515 Wynkoop St. STE #700  
Denver, CO 80202

**Loeffler #1-36**

Job Ticket: 60202

**DST#: 4**

ATTN: Chris Mitchell

Test Start: 2014.11.03 @ 09:45:00

## GENERAL INFORMATION:

Formation: **Pawnee - Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 15:40:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 66

**Interval: 4484.00 ft (KB) To 4558.00 ft (KB) (TVD)**

Reference Elevations: 3220.00 ft (KB)

Total Depth: 4558.00 ft (KB) (TVD)

3215.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8874 Inside**

Press@RunDepth: psig @ 4485.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.03

End Date:

2014.11.03

Last Calib.: 2014.11.03

Start Time: 09:46:00

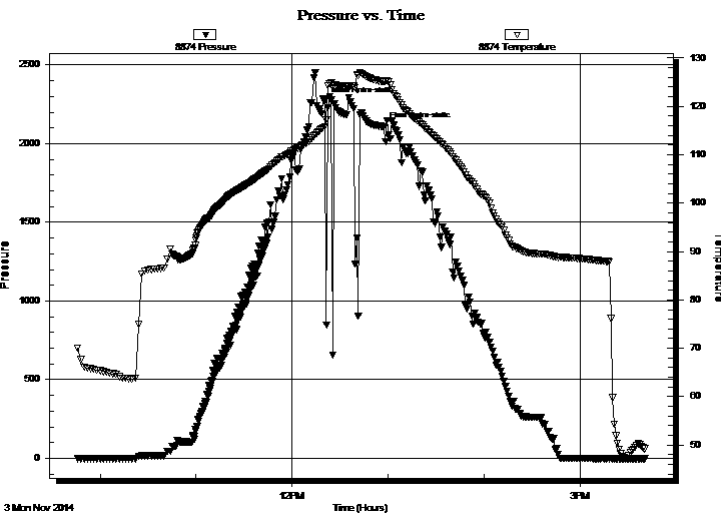
End Time:

15:40:30

Time On Btm: 2014.11.03 @ 12:20:30

Time Off Btm: 2014.11.03 @ 12:57:00

TEST COMMENT: Packer Failure



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2269.25         | 115.85       | Initial Hydro-static |
| 37          | 2108.19         | 125.11       | Final Hydro-static   |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 500.00      | mMvd 100M   | 5.32         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

## Gas Rates

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





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**FLUID SUMMARY**

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**Loeffler #1-36**

Job Ticket: 60202

**DST#: 4**

ATTN: Chris Mitchell

Test Start: 2014.11.03 @ 09:45:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 750.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 500.00       | mMd 100M    | 5.319         |

Total Length: 500.00 ft      Total Volume: 5.319 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

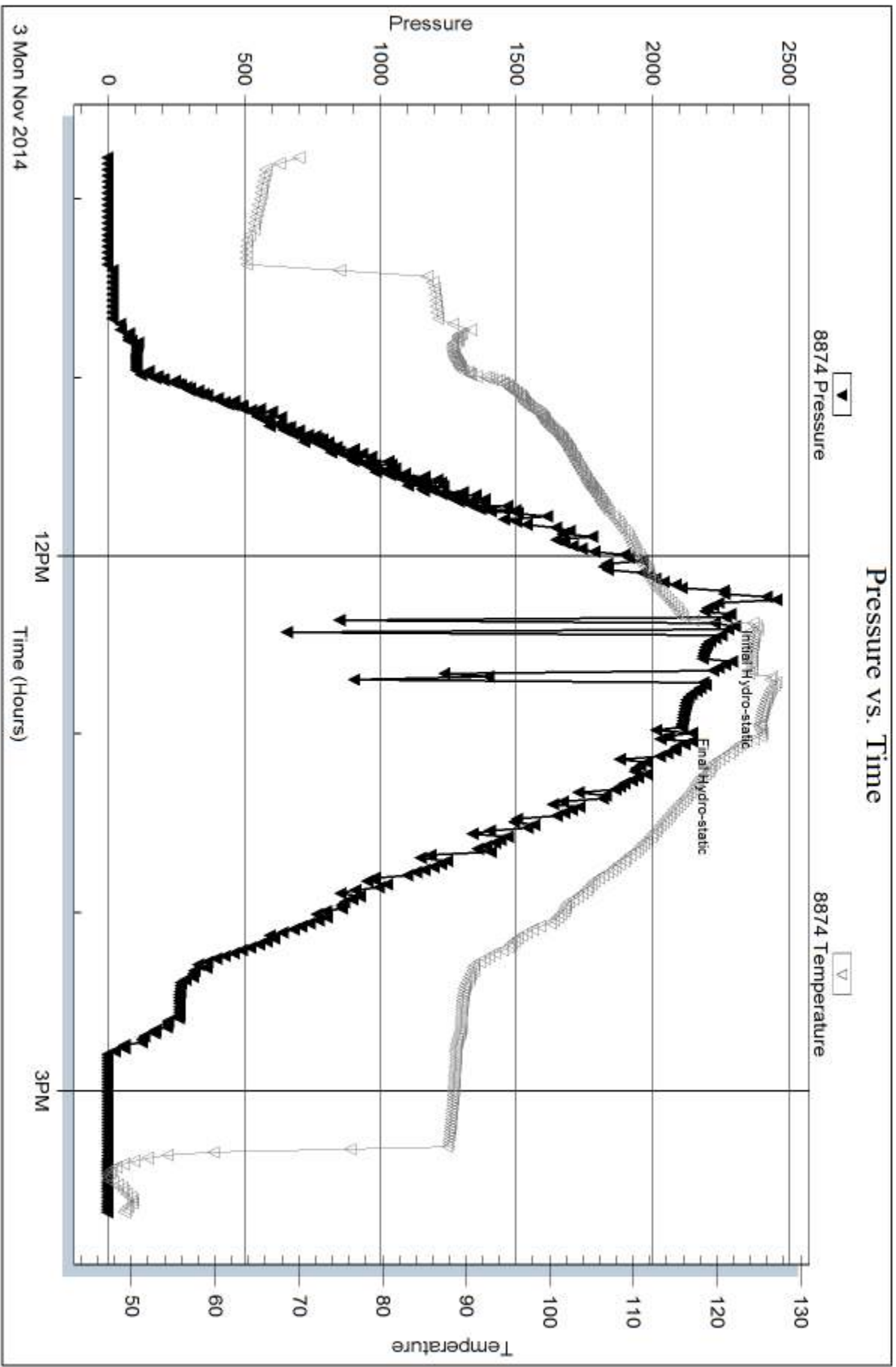
Serial #: 8874

Inside

Samuel Gary Jr. & Associates

Loeffler #1-36

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 60202

Printed: 2014.11.04 @ 09:22:44

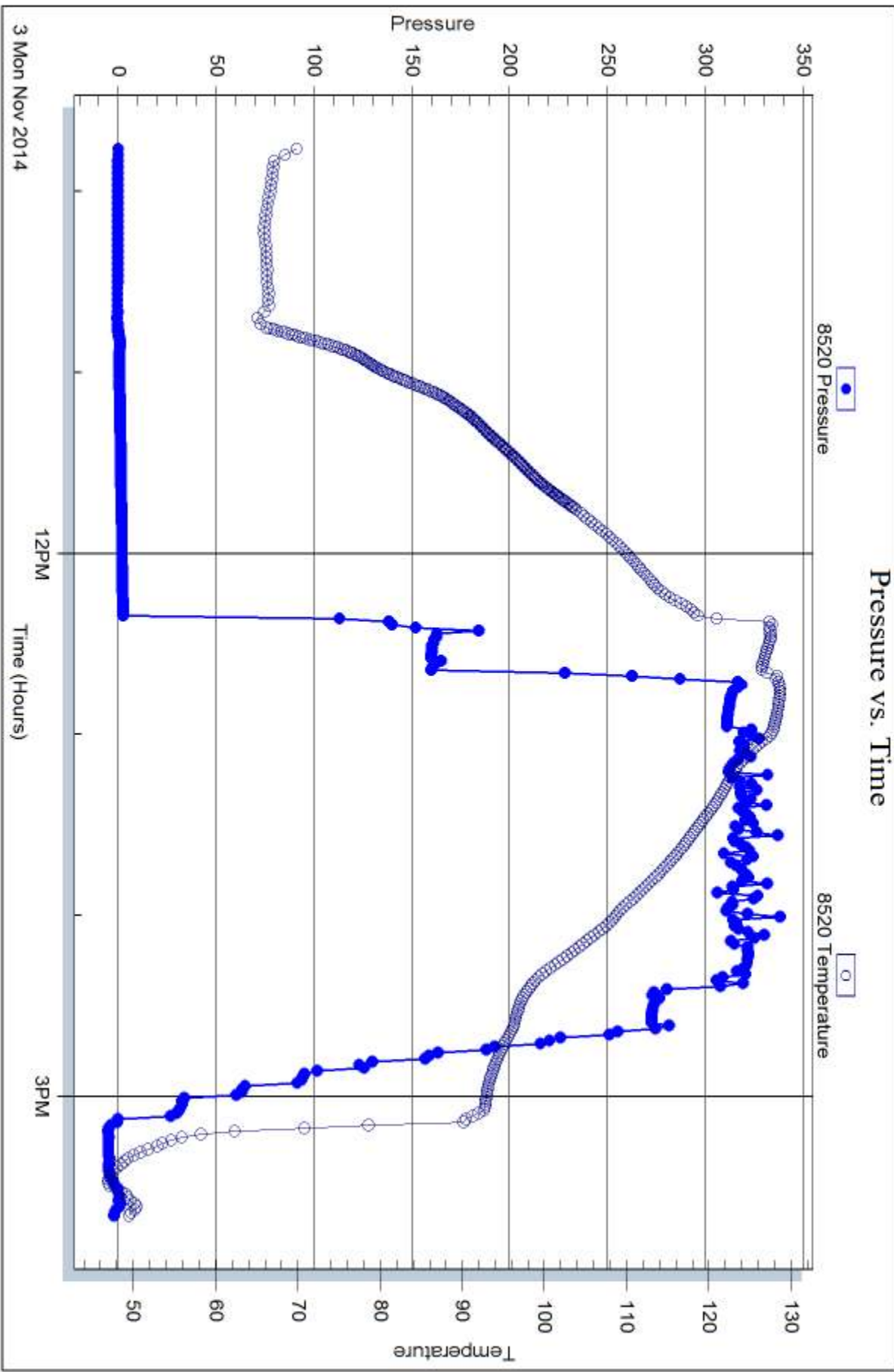
Serial #: 8520

Fluid

Samuel Gary J. & Associates

Loeffler #1-36

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 60202

Printed: 2014.11.04 @ 09:22:44