



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

3-4S-36W Rawlins, KS

1515 Wynkoop STE #700
Denver, CO 80202

Fisher Cattle Co#2-3

Job Ticket: 60898

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2015.03.18 @ 03:44:00

GENERAL INFORMATION:

Formation: **Upper Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:22:00

Time Test Ended: 11:09:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

Interval: 4465.00 ft (KB) To 4500.00 ft (KB) (TVD)

Reference Elevations: 3206.00 ft (KB)

Total Depth: 4500.00 ft (KB) (TVD)

3201.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8874 Inside

Press@RunDepth: 17.69 psig @ 4466.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.18

End Date:

2015.03.18

Last Calib.:

2015.03.18

Start Time: 03:45:00

End Time:

11:09:30

Time On Btm:

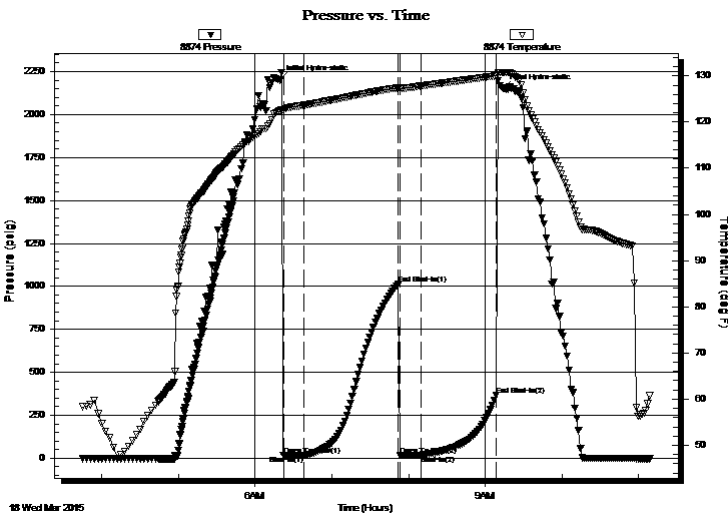
2015.03.18 @ 06:19:30

Time Off Btm:

2015.03.18 @ 09:14:00

TEST COMMENT: 15 - IF- 1/4" Blow built to 1"
75 - IS- No Return
15 - FF- Weak Surface Blow did not build or die
60 - FS- No Return

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2200.90 | 122.38 | Initial Hydro-static |
| 3 | 16.91 | 122.76 | Open To Flow (1) |
| 19 | 16.24 | 123.62 | Shut-In(1) |
| 93 | 1015.82 | 127.44 | End Shut-In(1) |
| 94 | 16.15 | 127.19 | Open To Flow (2) |
| 110 | 17.69 | 127.79 | Shut-In(2) |
| 169 | 364.82 | 130.02 | End Shut-In(2) |
| 175 | 2153.10 | 130.71 | Final Hydro-static |

Recovery

Gas Rates

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 5.00 | OCM 30o 70M | 0.02 |
| | | |
| | | |
| | | |
| | | |

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



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FLUID SUMMARY

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Test Start: 2015.03.18 @ 03:44:00

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: 64.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 5.00 | OCM 30o 70M | 0.025 |

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8874

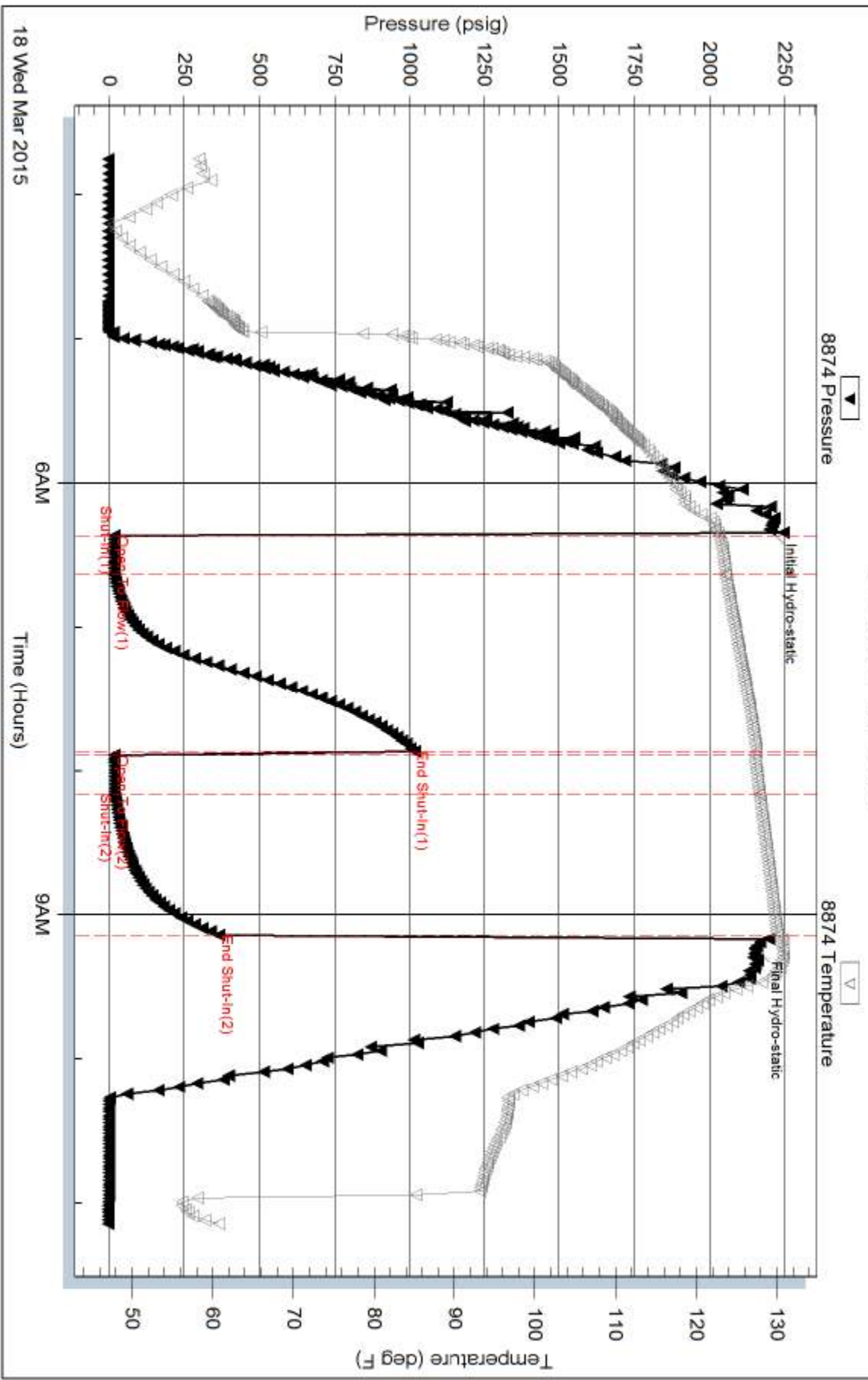
Inside

Samuel Gary Jr. & Associates, Inc.

Fisher Cattle Co#2-3

DST Test Number: 2

Pressure vs. Time



18 Wed Mar 2015

Trilobite Testing, Inc

Ref. No: 60898

Printed: 2015.03.18 @ 11:47:29

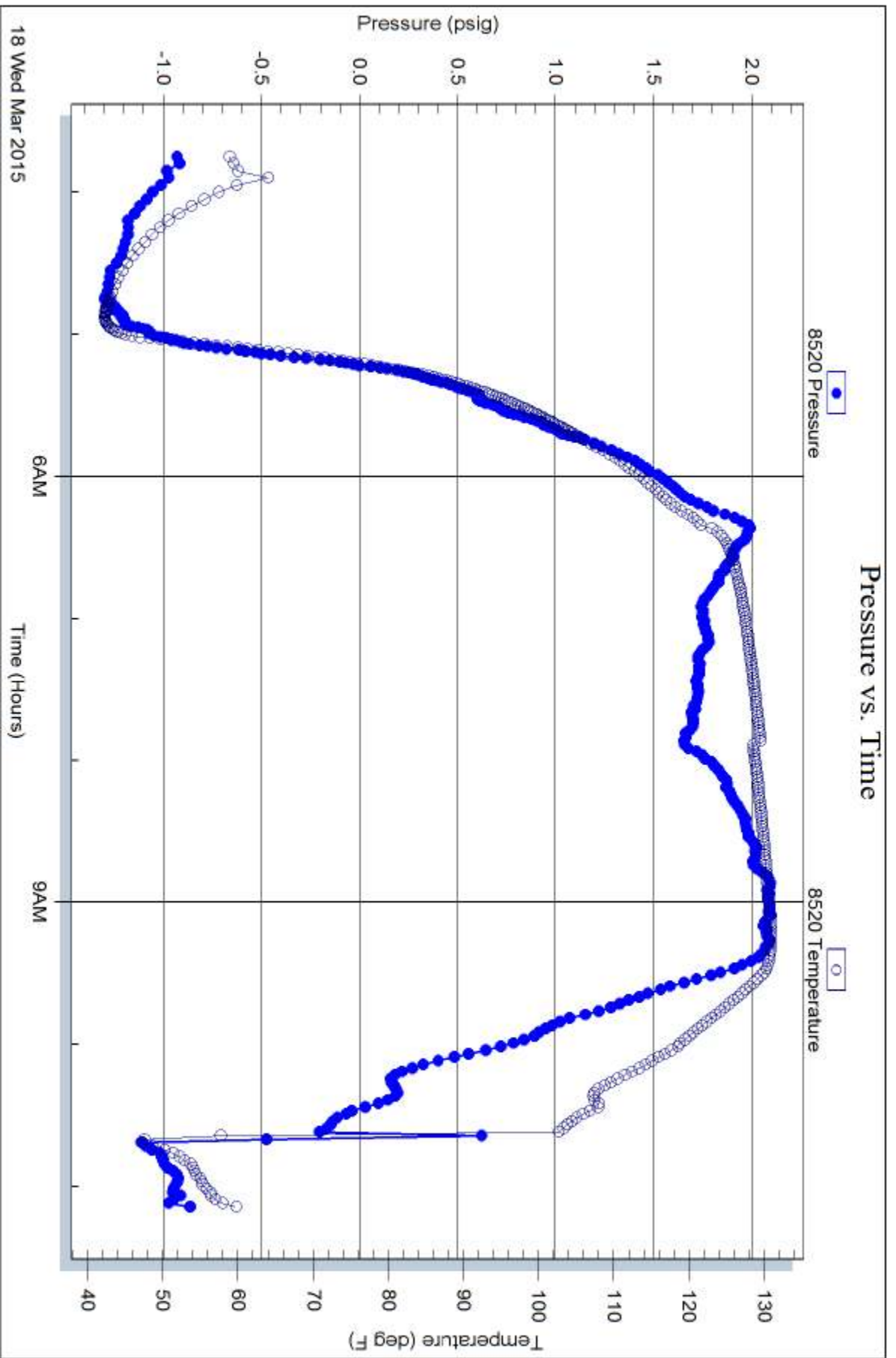
Serial #: 8520

Fluid

Samuel Gary Jr. & Associates, Inc.

Fisher Cattle Co#2-3

DST Test Number: 2



18 Wed Mar 2015

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