



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

7-5S-35W Rawlins, KS

1515 Wynkoop STE #700
Denver, CO 80202

Fisher #3-7

ATTN: Chris Mitchell

Job Ticket: 62250

DST#: 2

Test Start: 2015.06.06 @ 10:45:00

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:07:00

Time Test Ended: 17:29:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

Interval: 4597.00 ft (KB) To 4635.00 ft (KB) (TVD)

Total Depth: 4635.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3256.00 ft (KB)

3251.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8874 Inside

Press @ Run Depth: 19.46 psig @ 4598.00 ft (KB)

Start Date: 2015.06.06

End Date:

2015.06.06

Start Time: 10:46:00

End Time:

17:29:00

Capacity: 8000.00 psig

Last Calib.: 2015.06.06

Time On Btm: 2015.06.06 @ 13:05:00

Time Off Btm: 2015.06.06 @ 14:54:00

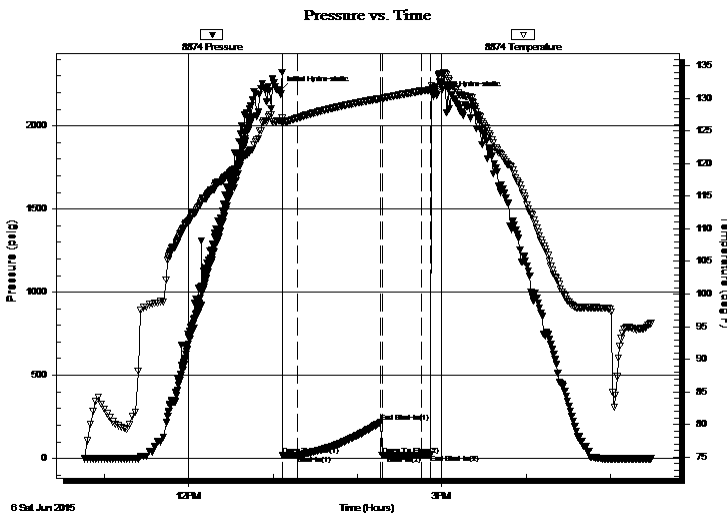
TEST COMMENT: 10 - IF- Surface Blow built to 1/4"

60 - IS- No Return

25 - FF- No Blow

0 - FS- Pulled tools at end of FF

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2211.98	126.58	Initial Hydro-static
2	18.27	126.29	Open To Flow (1)
12	18.75	126.93	Shut-In(1)
72	217.06	129.95	End Shut-In(1)
73	19.41	129.98	Open To Flow (2)
101	19.46	131.09	Shut-In(2)
107	22.31	131.28	End Shut-In(2)
109	2178.82	131.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100M	0.02

Gas Rates

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



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FLUID SUMMARY

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Job Ticket: 62250

DST#: 2

ATTN: Chris Mitchell

Test Start: 2015.06.06 @ 10:45:00

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: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

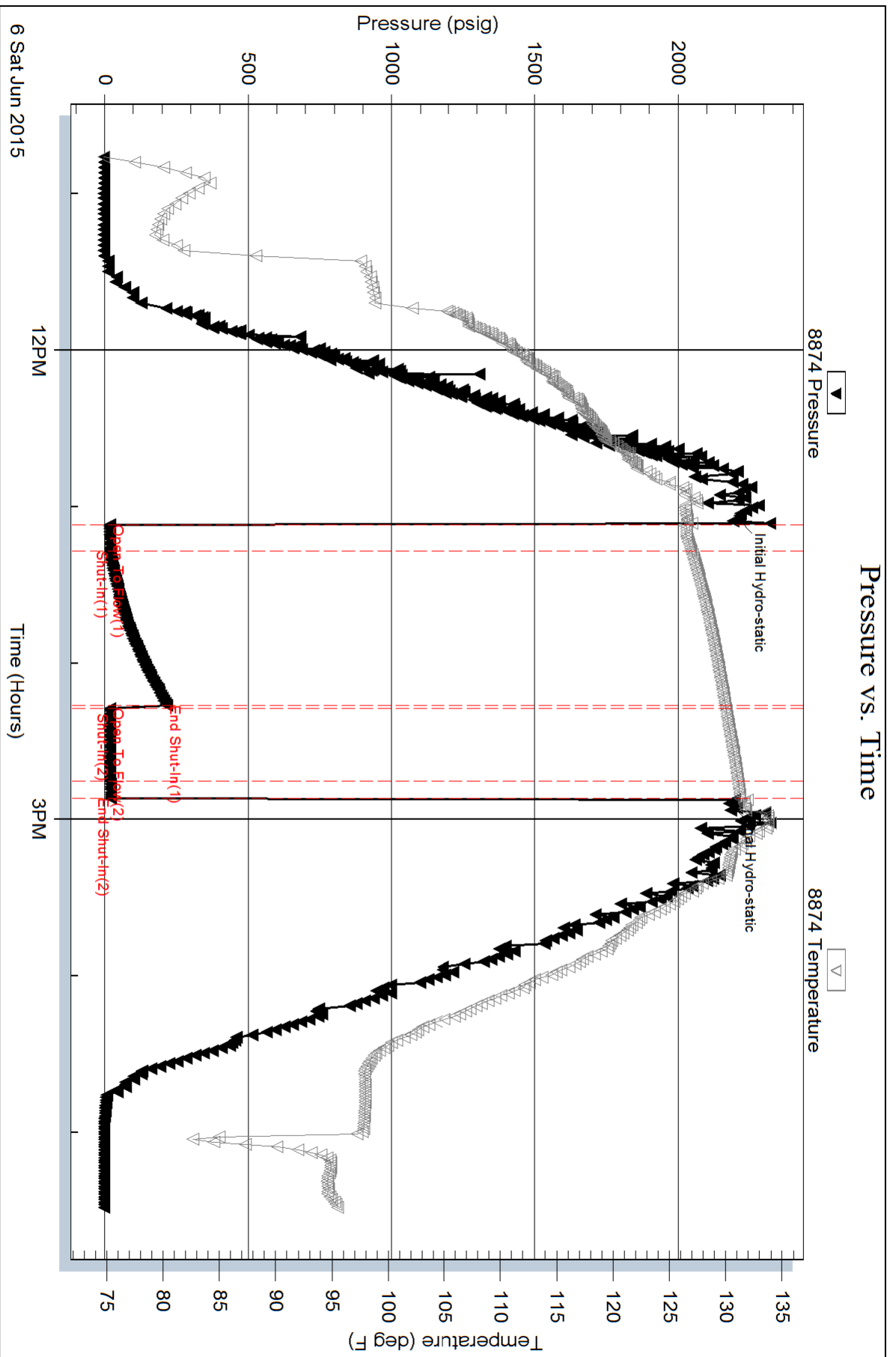
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

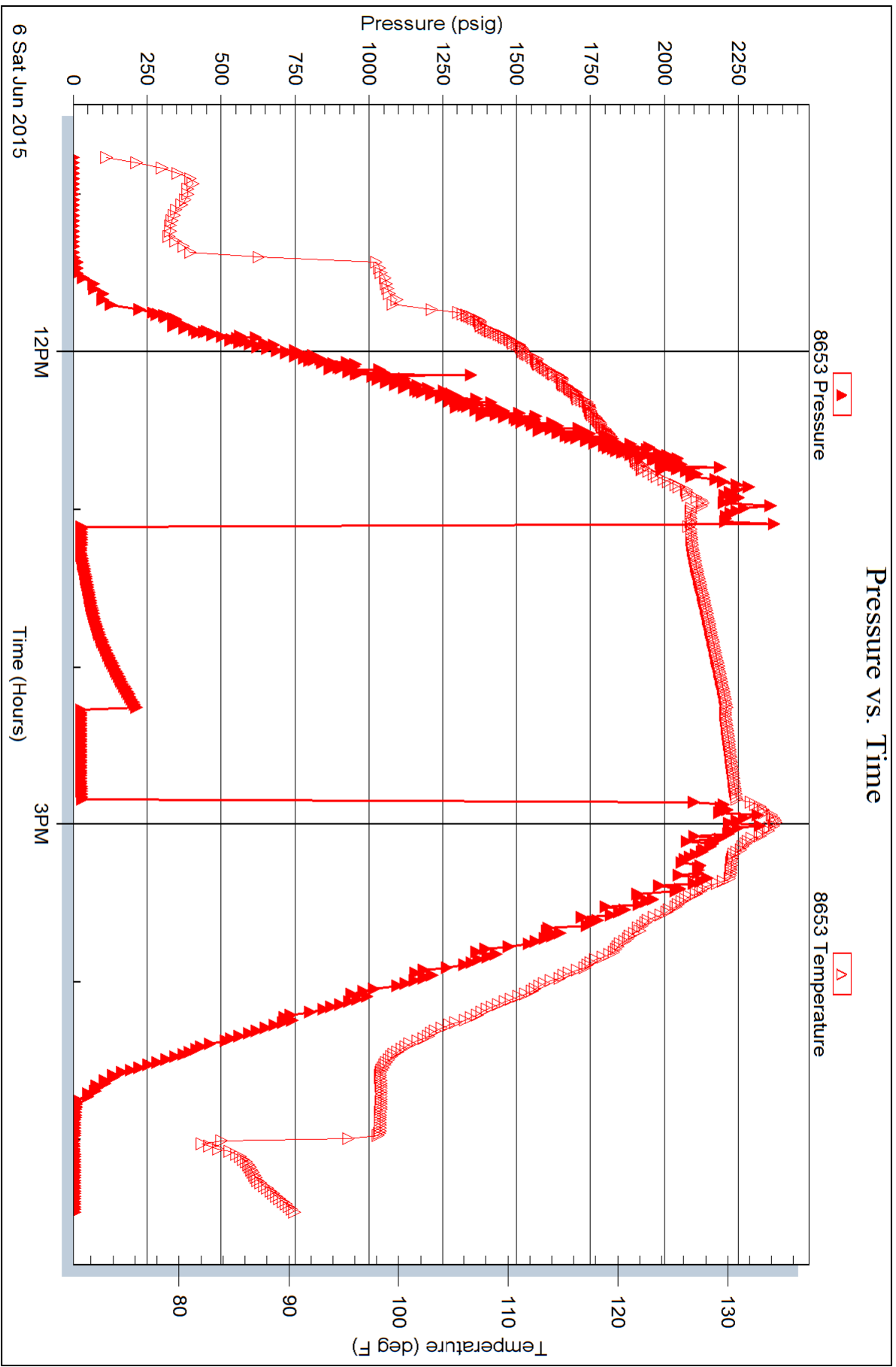


Serial #: 8653

Outside Samuel Gary Jr. & Associates, Inc.

Fisher #3-7

DST Test Number: 2



Serial #: 8520

Fluid

Samuel Gary Jr. & Associates, Inc.

Fisher #3-7

DST Test Number: 2

