



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Farmer, John O., Inc.

15-15-18, Ellis, KS

PO Box 352
Russell KS 67665

A. Wasinger #8

Job Ticket: 47091

DST#: 2

ATTN: Austin Klans

Test Start: 2012.08.13 @ 07:10:00

GENERAL INFORMATION:

Formation: **Arb.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:27:30

Time Test Ended: 13:31:30

Test Type: Conventional Straddle (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: 3622.00 ft (KB) To 3650.00 ft (KB) (TVD)

Reference Elevations: 2026.00 ft (KB)

Total Depth: 3681.00 ft (KB) (TVD)

2018.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6753 Outside

Press @ Run Depth: 421.03 psig @ 3646.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.08.13

End Date: 2012.08.13

Last Calib.: 2012.08.13

Start Time: 07:10:05

End Time: 13:31:29

Time On Btm: 2012.08.13 @ 09:26:30

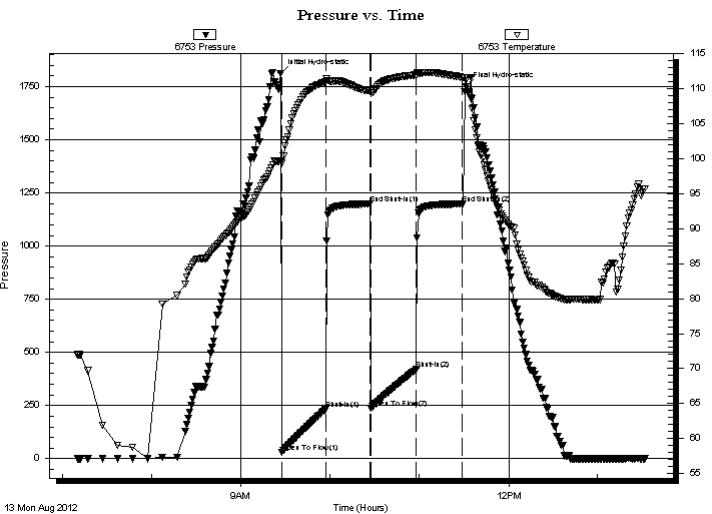
Time Off Btm: 2012.08.13 @ 11:31:30

TEST COMMENT: IF-BOB in 5.5min

ISI-No blow

FF-BOBin 6min

FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1812.82	99.71	Initial Hydro-static
1	28.80	99.34	Open To Flow (1)
31	233.54	111.00	Shut-In(1)
60	1198.07	109.66	End Shut-In(1)
61	239.11	109.37	Open To Flow (2)
92	421.03	111.96	Shut-In(2)
123	1198.01	111.61	End Shut-In(2)
125	1751.82	111.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
655.00	Water	8.91
240.00	MCW 85% W 15%M	3.37

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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PO Box 352
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A. Wasinger #8

Job Ticket: 47091

DST#: 2

ATTN: Austin Klans

Test Start: 2012.08.13 @ 07:10:00

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:

32000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
655.00	Water	8.915
240.00	MCW 85% W 15%M	3.367

Total Length: 895.00 ft Total Volume: 12.282 bbl

Num Fluid Samples: 0

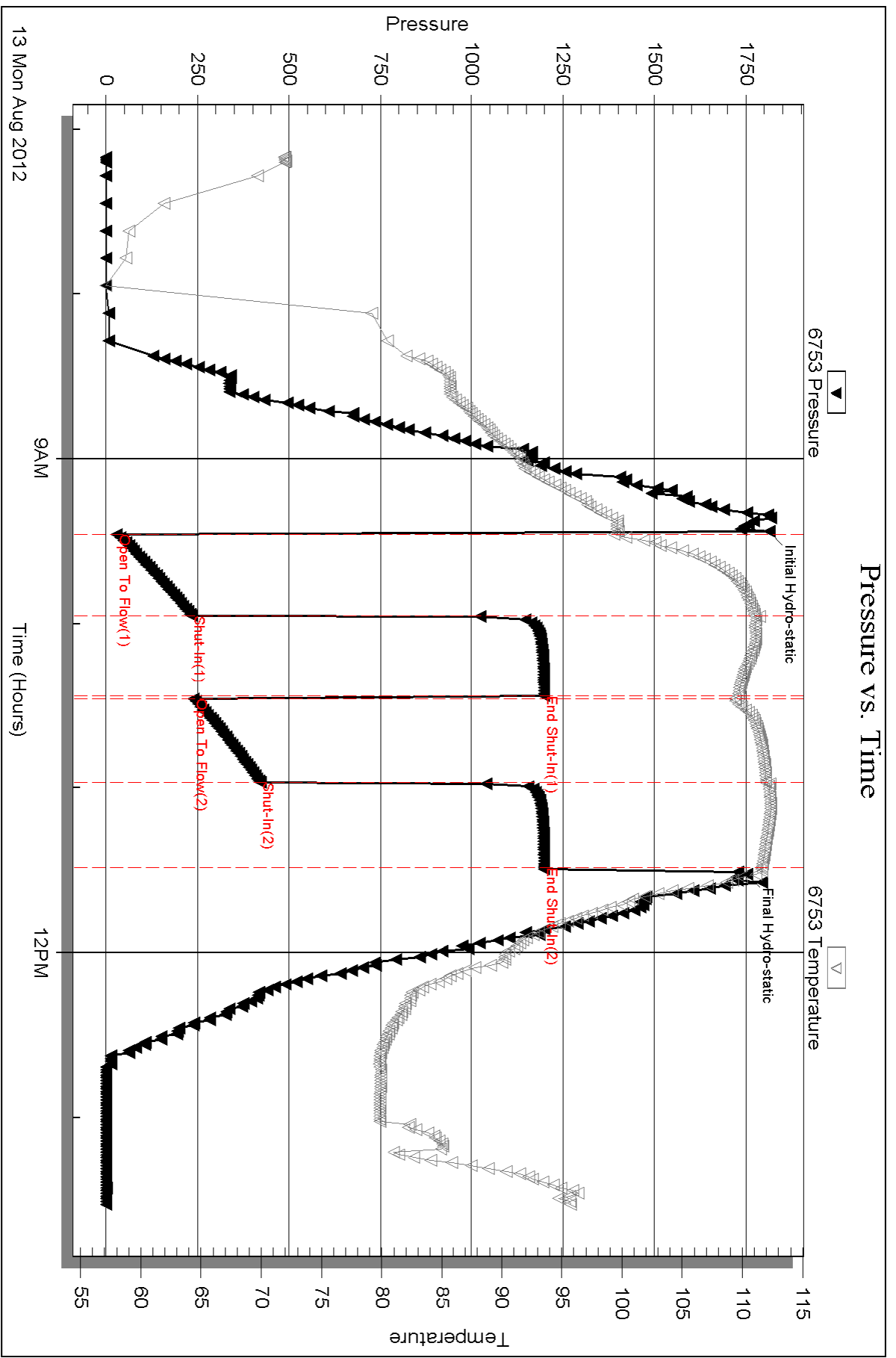
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

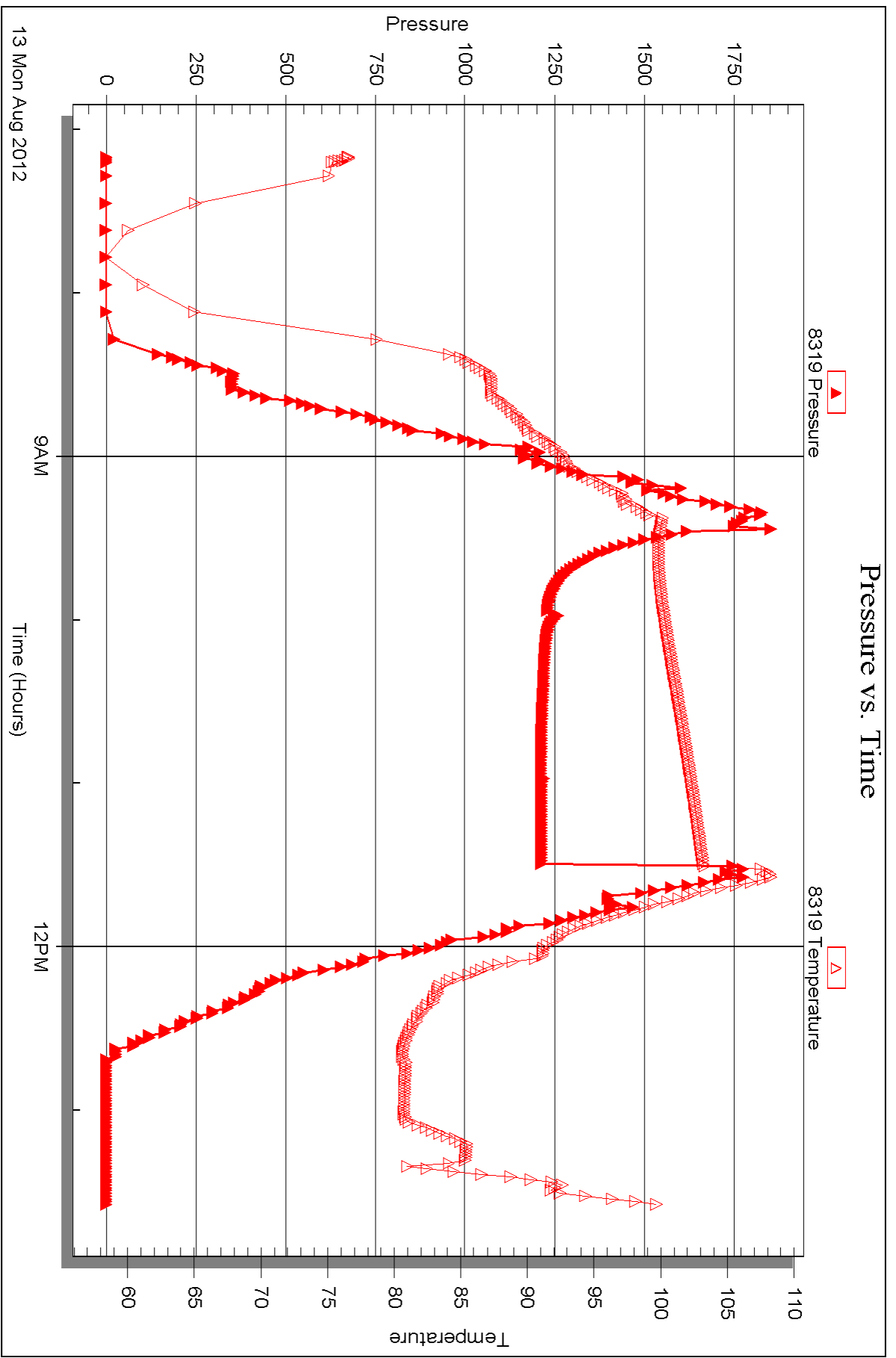


Serial #: 8319

Below (Stratified), John O., Inc.

A. Wasinger #8

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 47091

Printed: 2012.08.13 @ 14:33:39