



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Sam Gary Jr. Associates Inc

1-4S-36W Rawlins KS

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Clayton Camozzi

Fisher Cattle Co#1-1

Job Ticket: 5893 **DST#: 3**
Test Start: 2014.08.12 @ 12:49:00

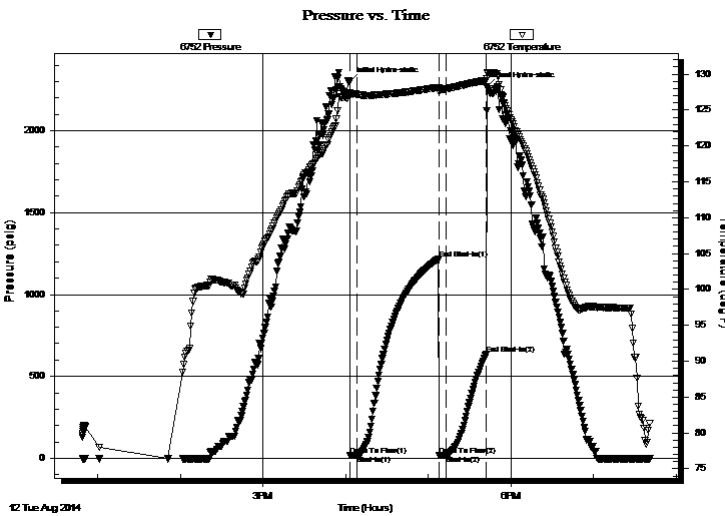
GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:03:10
 Time Test Ended: 19:40:50
 Interval: **4570.00 ft (KB) To 4601.00 ft (KB) (TVD)**
 Total Depth: 4601.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ryan Nichols
 Unit No: 78
 Reference Elevations: 3267.00 ft (KB)
 3262.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6752 Inside
 Press@RunDepth: 17.70 psig @ 4571.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.12 End Date: 2014.08.12 Last Calib.: 2014.08.12
 Start Time: 12:49:01 End Time: 19:40:50 Time On Btm: 2014.08.12 @ 16:02:50
 Time Off Btm: 2014.08.12 @ 17:42:50

TEST COMMENT: 5 IF - Surface blow
 60 ISI - No return
 5 FF - No blow
 30 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2298.45	127.48	Initial Hydro-static
1	16.52	126.92	Open To Flow (1)
6	17.06	127.19	Shut-In(1)
65	1218.95	128.18	End Shut-In(1)
65	17.18	127.53	Open To Flow (2)
71	17.70	127.95	Shut-In(2)
100	634.71	129.14	End Shut-In(2)
101	2269.09	130.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100% _m	0.02

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 7.80 in³
Resistivity: ohm.m
Salinity: 1200.00 ppm
Filter Cake: 2.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

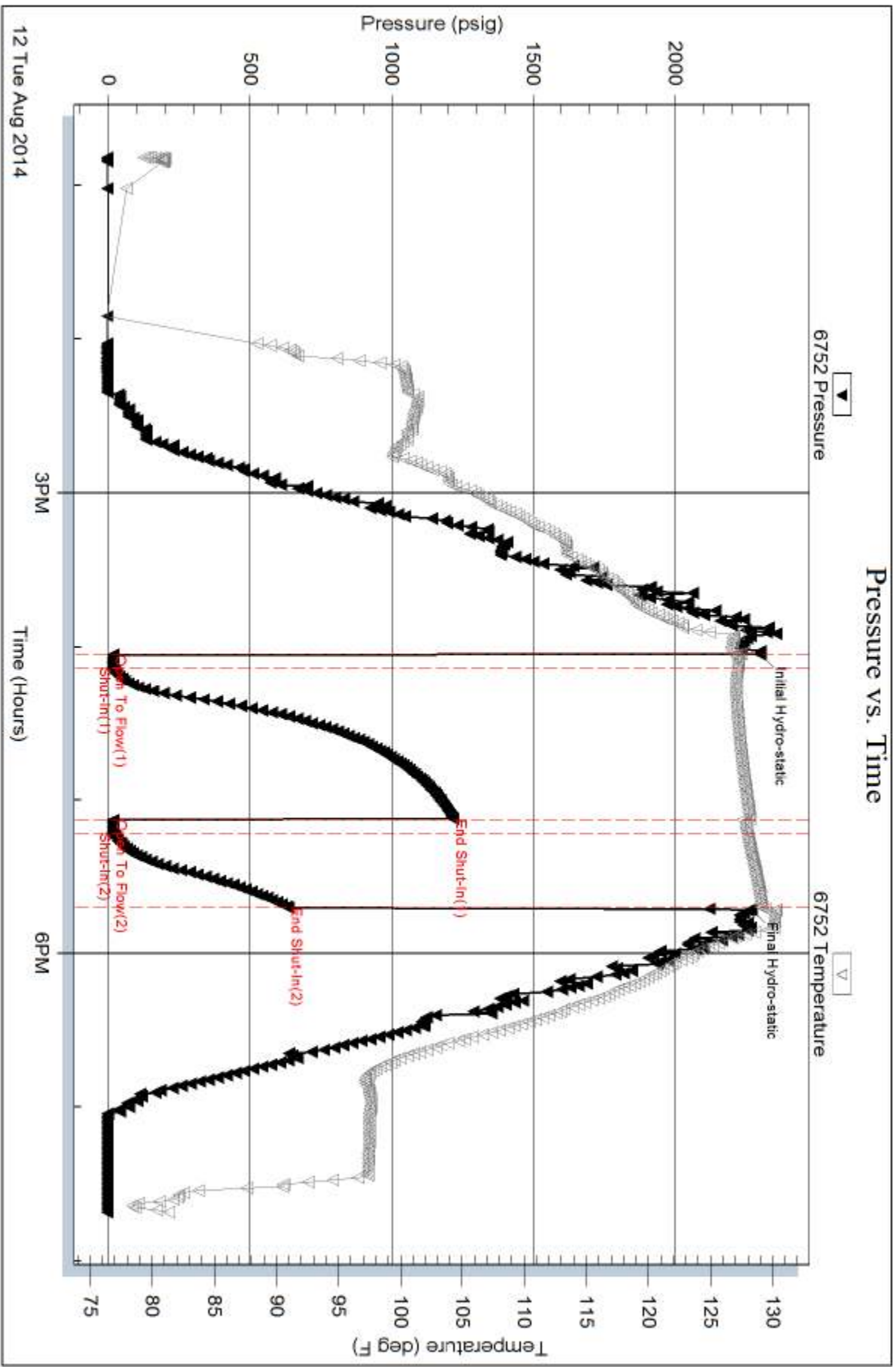
Length ft	Description	Volume bbl
5.00	Mud 100%m	0.025

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: OS = 2000ml M 82 psi



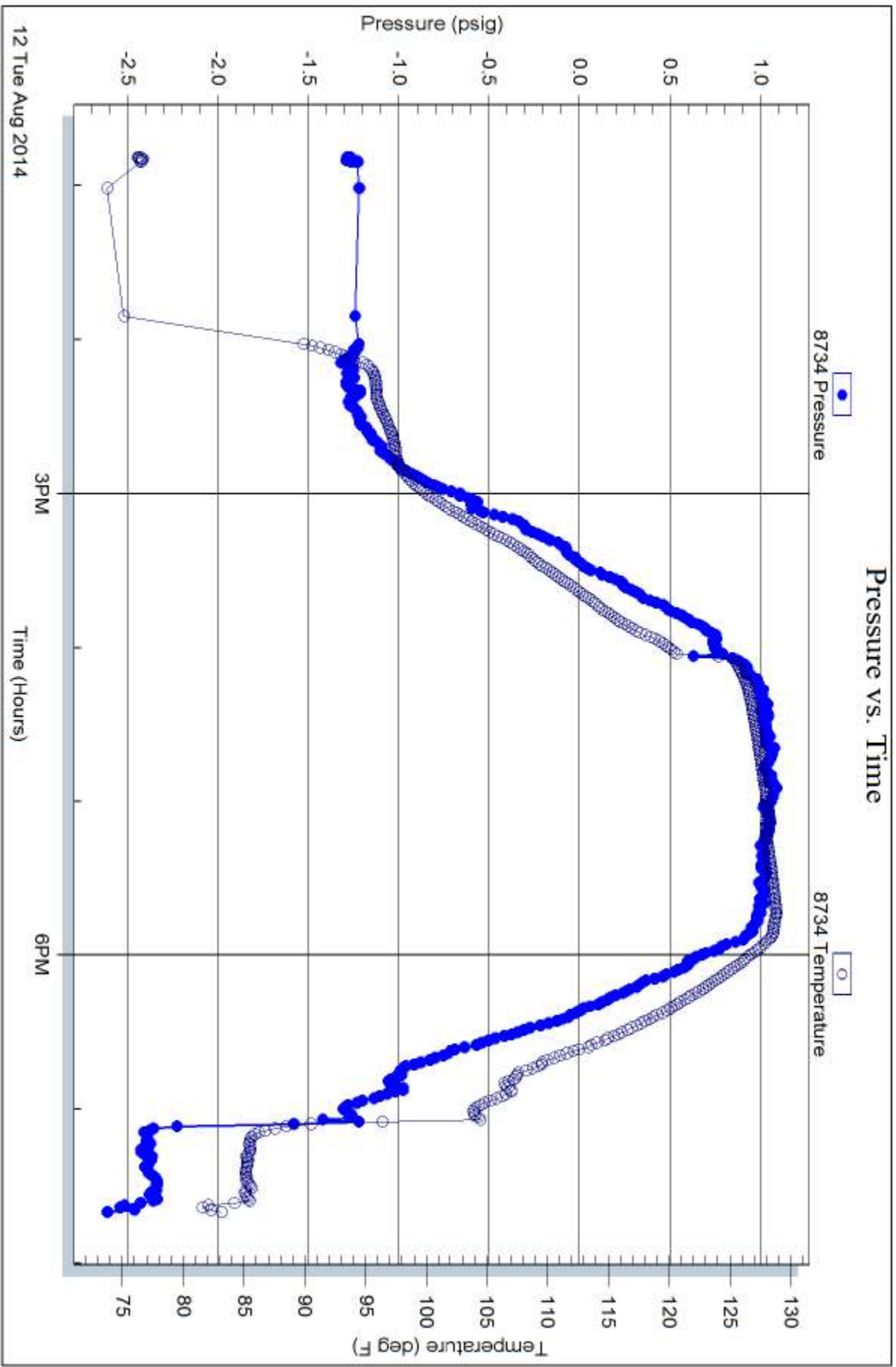
Serial #: 8734

Fluid

Sam Gary Jr. Associates Inc

Fisher Cattle Co#1-1

DST Test Number: 3



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Ref. No: 5993

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