



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

34/3s/36w Rawlins KS

1515 Wynkoop STE 700
Denver, CO 80202

Fisher Cattle #1-34

Job Ticket: 60798

DST#: 3

ATTN: Dan Pritchard

Test Start: 2014.11.25 @ 14:13:00

GENERAL INFORMATION:

Formation: **BKC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:07:30
 Time Test Ended: 20:18:45
 Interval: **4454.00 ft (KB) To 4478.00 ft (KB) (TVD)**
 Total Depth: 4478.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 57
 Reference Elevations: 3309.00 ft (KB)
 3304.00 ft (CF)
 KB to GR/CF: 5.00 ft

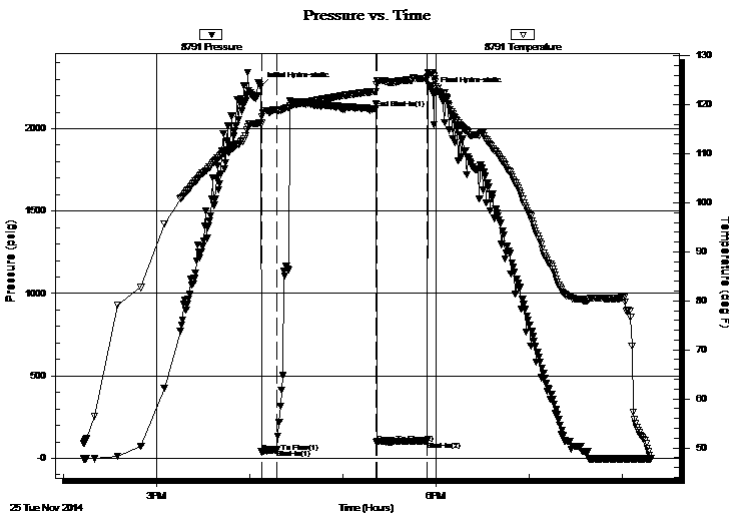
Serial #: 8791

Inside

Press@RunDepth: 52.56 psig @ 4455.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.11.25 End Date: 2014.11.25 Last Calib.: 2014.11.25
 Start Time: 14:13:05 End Time: 20:18:44 Time On Btm: 2014.11.25 @ 16:07:15
 Time Off Btm: 2014.11.25 @ 17:59:00

TEST COMMENT: 10 - IF: 1 3/4" Surge blow at open, bled off at 2 min., blow at 3 min., built to 1/2"
 60 - IS: No blow back
 30 - FF: 2 1/2" Surge blow at open, bled off, No blow
 Pulled tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2252.80	116.33	Initial Hydro-static
1	39.66	116.28	Open To Flow (1)
11	52.56	118.90	Shut-In(1)
74	2121.84	122.74	End Shut-In(1)
75	94.30	124.14	Open To Flow (2)
107	105.75	125.61	Shut-In(2)
112	2226.97	125.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
128.00	SOCM 98% m, 2% o	0.63
32.00	SOCM 95% m, 5% o	0.16

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Fisher Cattle #1-34

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DST#: 3

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Test Start: 2014.11.25 @ 14:13:00

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: 71.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
128.00	SOCM 98% m, 2% o	0.629
32.00	SOCM 95% m, 5% o	0.157

Total Length: 160.00 ft Total Volume: 0.786 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

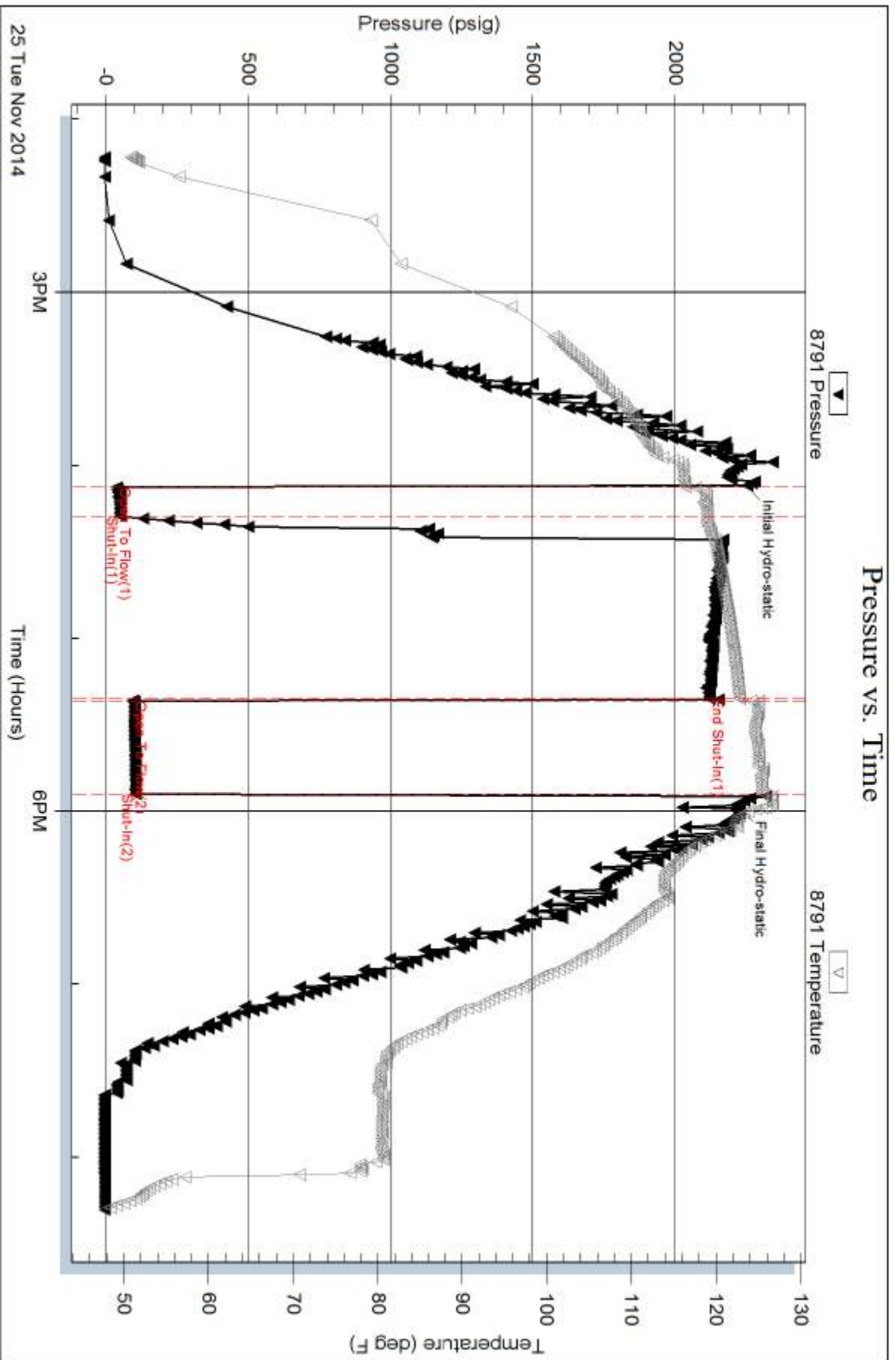
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



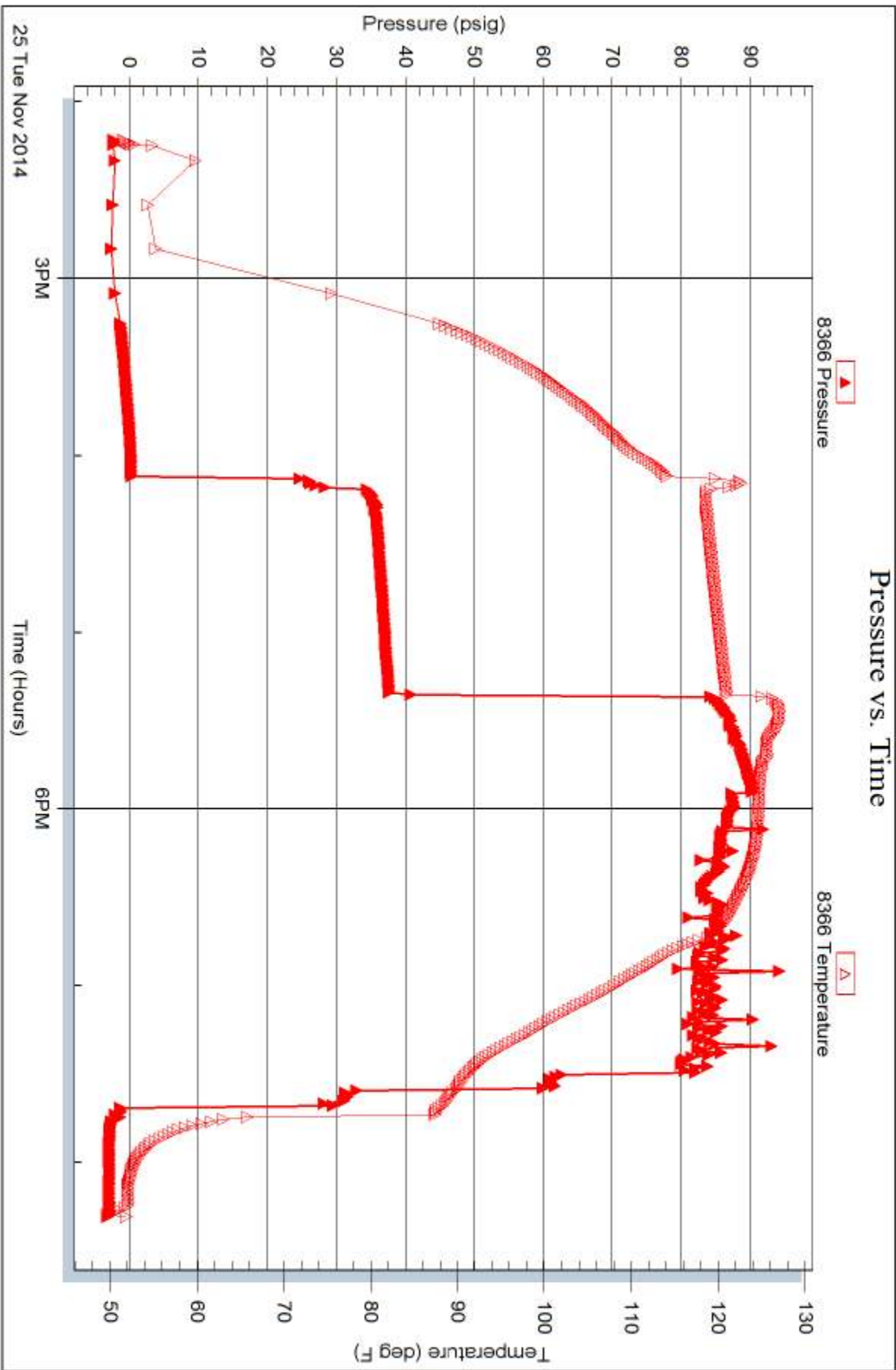
Serial #: 8366

Fluid

Samuel Gary Jr. & Associates, Inc.

Fisher Cattle #1-34

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 60798

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