



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

10-5s-23w-Norton Co

1515 Wynkoop St. Ste 700
Denver, CO 80202

Clydesdale #1-10

Job Ticket: 56123

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2014.03.09 @ 10:22:41

GENERAL INFORMATION:

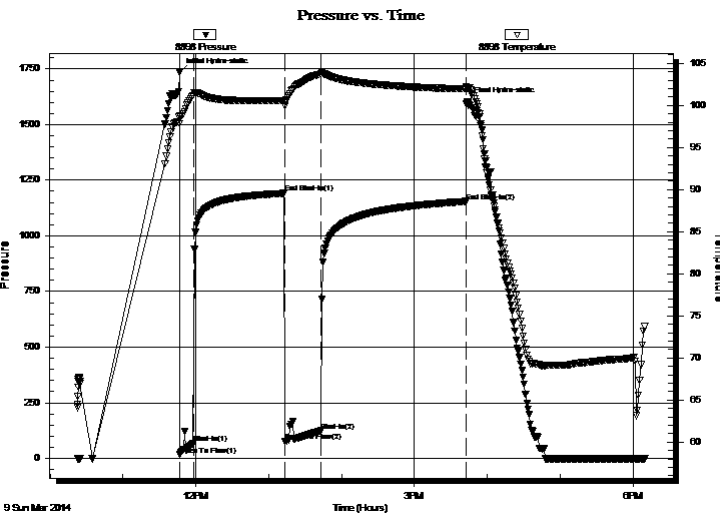
Formation: **LKC "C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:46:51
 Time Test Ended: 18:10:20
 Interval: **3458.00 ft (KB) To 3483.00 ft (KB) (TVD)**
 Total Depth: 3483.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Tate Lang
 Unit No: 49
 Reference Elevations: 2221.00 ft (KB)
 2213.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8898

Outside

Press@RunDepth: 123.42 psig @ 3459.00 ft (KB)
 Start Date: 2014.03.09 End Date: 2014.03.09
 Start Time: 10:22:42 End Time: 18:10:21
 Capacity: 8000.00 psig
 Last Calib.: 2014.03.09
 Time On Btm: 2014.03.09 @ 11:46:41
 Time Off Btm: 2014.03.09 @ 15:43:20

TEST COMMENT: Weak surface blow built to 2 in
 Dead no blow back
 Good surface blow built to 7 in
 Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1734.52	98.74	Initial Hydro-static
1	15.64	97.84	Open To Flow (1)
12	66.74	101.19	Shut-In(1)
87	1191.27	100.58	End Shut-In(1)
87	75.59	99.92	Open To Flow (2)
117	123.42	103.72	Shut-In(2)
236	1154.52	101.97	End Shut-In(2)
237	1601.48	102.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	2%M 98%W	1.43
50.00	40%M 60%W	0.70

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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Denver, CO 80202

Clydesdale #1-10

Job Ticket: 56123

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2014.03.09 @ 10:22:41

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:

41000 ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	2%M 98%W	1.432
50.00	40%M 60%W	0.701

Total Length: 230.00 ft Total Volume: 2.133 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler

100 ML Mud

1900 ML Water

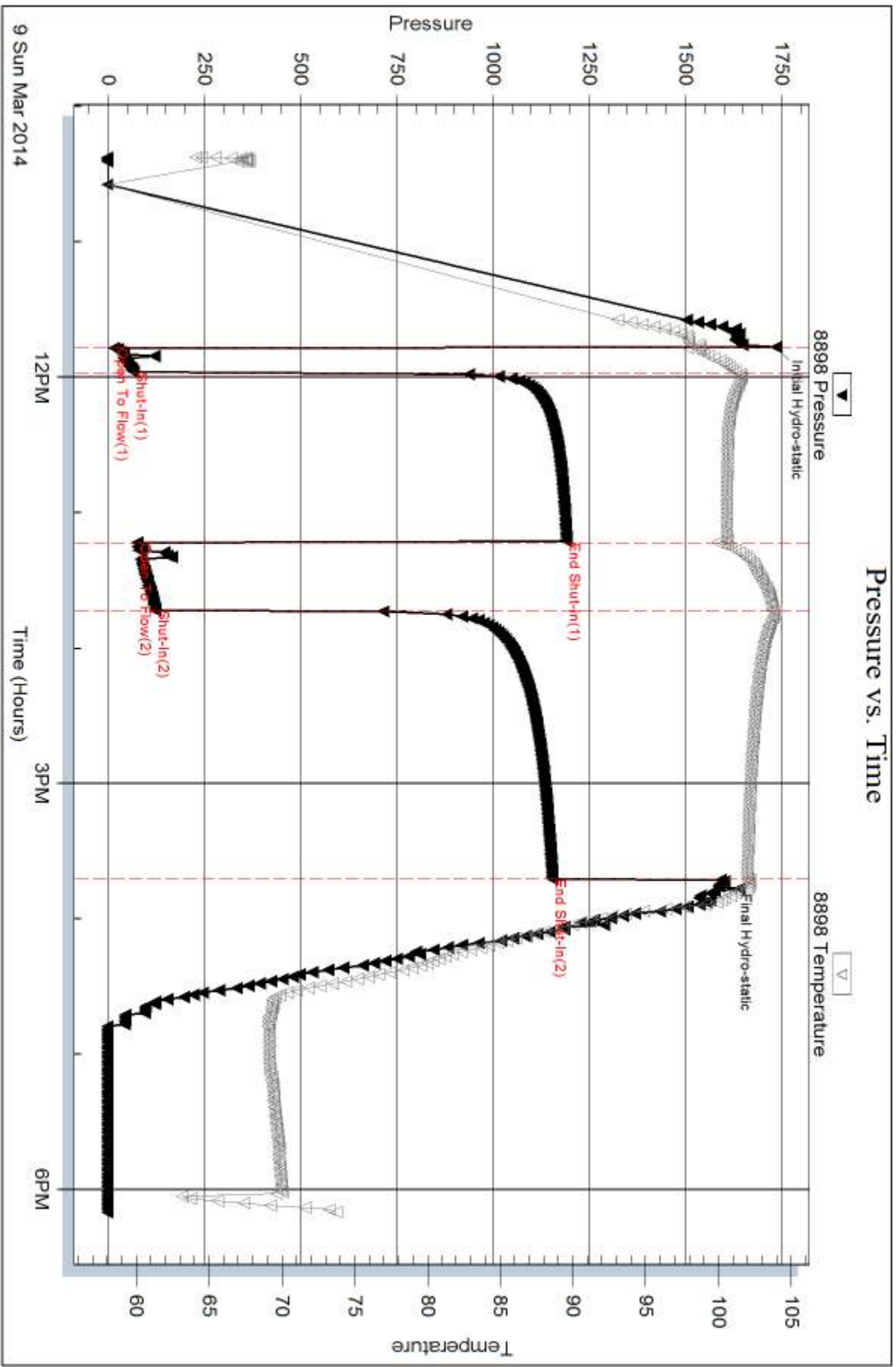
400 PSI

Serial #: 8898

Outside Samuel Gary Jr. and Associates, Inc.

Oydesdale #1-10

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 56123

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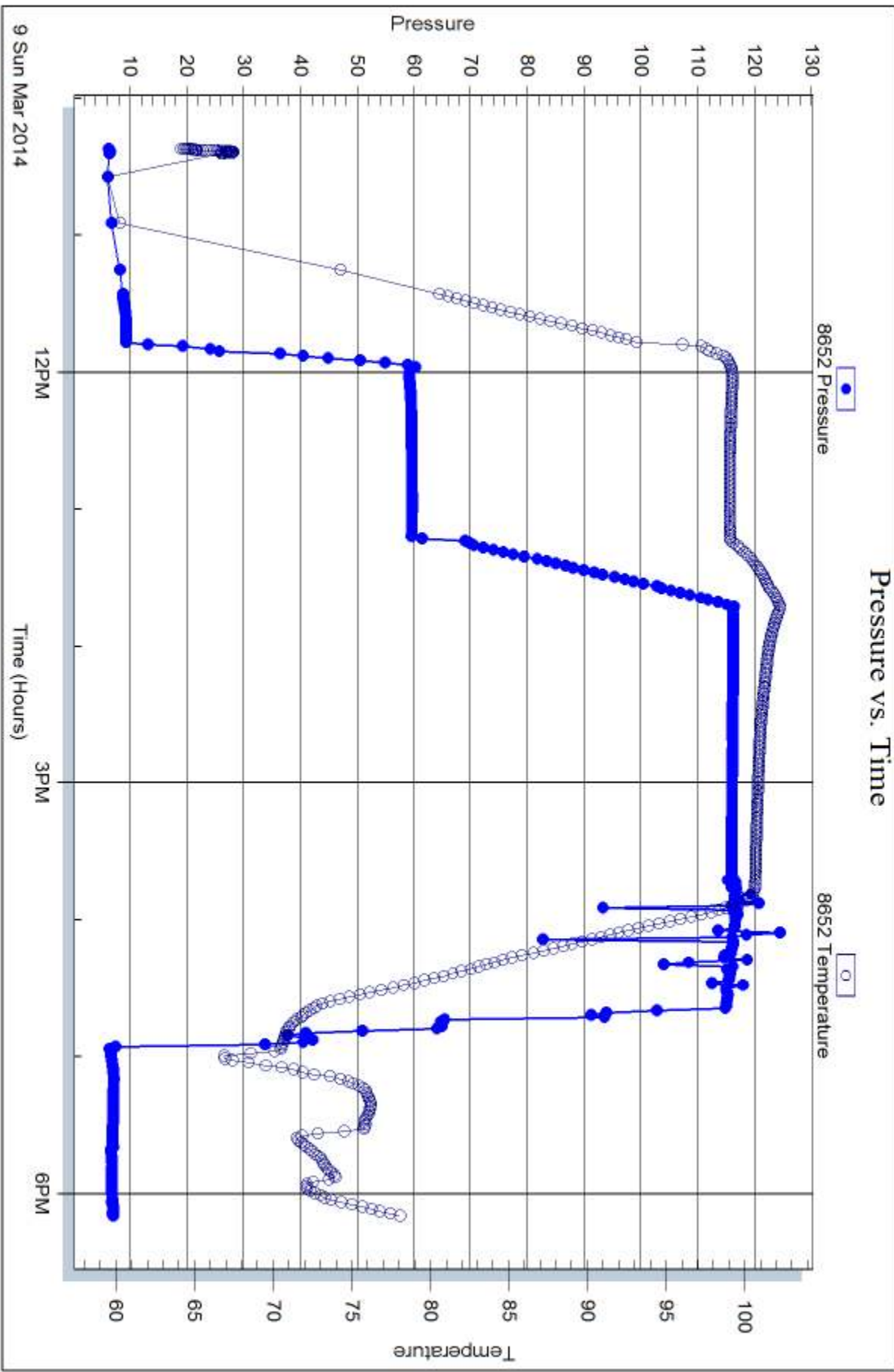
Serial #: 8652

Fluid

Samuel Gary Jr. and Associates, Inc.

Oydesdale #1-10

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 56123

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