



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: 56121

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2014.03.08 @ 02:20:57

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:24:27

Time Test Ended: 09:56:36

Test Type: Conventional Bottom Hole (Initial)

Tester: Tate Lang

Unit No: 49

Interval: 3370.00 ft (KB) To 3397.00 ft (KB) (TVD)

Reference Elevations: 2221.00 ft (KB)

Total Depth: 3390.00 ft (KB) (TVD)

2213.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8898 Outside

Press @ Run Depth: 66.88 psig @ 3371.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.08

End Date:

2014.03.08

Last Calib.:

2014.03.08

Start Time: 02:20:58

End Time:

09:56:37

Time On Btm:

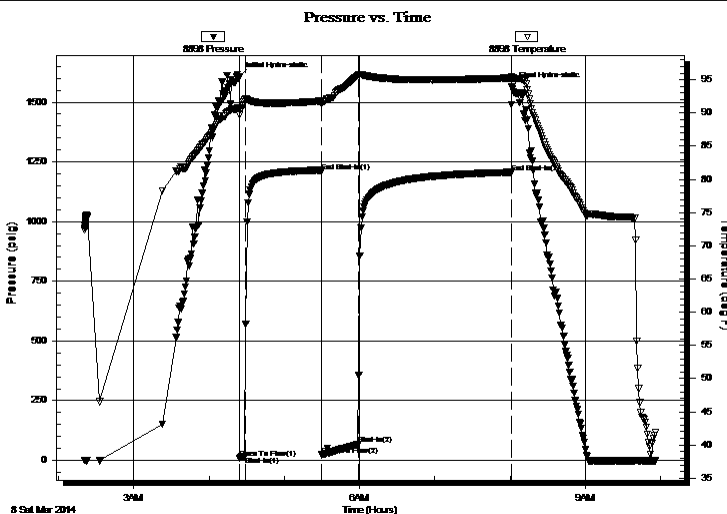
2014.03.08 @ 04:24:17

Time Off Btm:

2014.03.08 @ 08:01:27

TEST COMMENT: Weak surface blow built to 1 1/2 in
Dead no blow neck
Fair surface blow built to 4 1/2 in
Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1605.50	90.80	Initial Hydro-static
1	9.33	89.69	Open To Flow (1)
5	18.27	92.05	Shut-In(1)
65	1210.16	91.77	End Shut-In(1)
66	22.60	91.42	Open To Flow (2)
95	66.88	95.61	Shut-In(2)
217	1206.00	95.25	End Shut-In(2)
218	1563.95	95.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	20%W 80%M With oil spots	0.15
60.00	20%M 80%W	0.30

Gas Rates

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



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Time Test Ended: 09:56:36

Test Type: Conventional Bottom Hole (Initial)

Tester: Tate Lang

Unit No: 49

Interval: 3370.00 ft (KB) To 3397.00 ft (KB) (TVD)

Reference Elevations: 2221.00 ft (KB)

Total Depth: 3390.00 ft (KB) (TVD)

2213.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8354 Fluid

Press @ Run Depth: psig @ 3334.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.08

End Date:

2014.03.08

Last Calib.:

2014.03.08

Start Time: 02:20:15

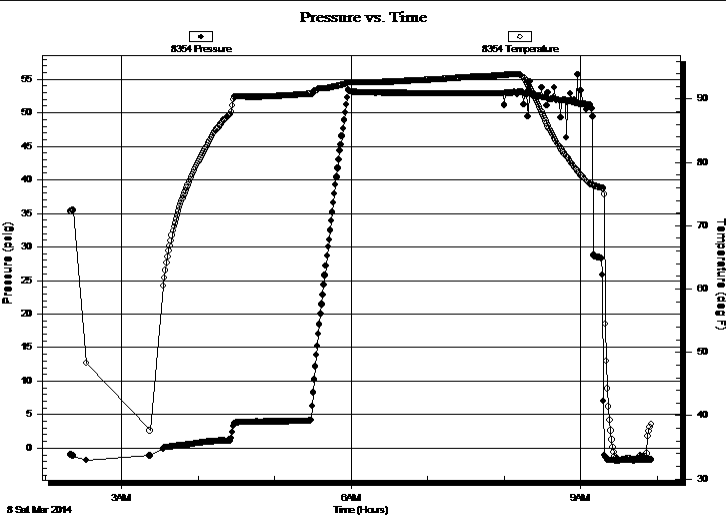
End Time:

09:55:54

Time On Btm:

Time Off Btm:

TEST COMMENT: Weak surface blow built to 1 1/2 in
Dead no blow neck
Fair surface blow built to 4 1/2 in
Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
30.00	20%W 80%M With oil spots	0.15
60.00	20%M 80%W	0.30

Gas Rates

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



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TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. and Associates, Inc.

10-5s-23w-Norton Co

1515 Wynkoop St. Ste 700
Denver, CO 80202

Clydesdale #1-10

Job Ticket: 56121

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2014.03.08 @ 02:20:57

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:

26000 ppm

Viscosity: 72.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 750.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	20%W 80%M With oil spots	0.148
60.00	20%M 80%W	0.295

Total Length: 90.00 ft Total Volume: 0.443 bbl

Num Fluid Samples: 0

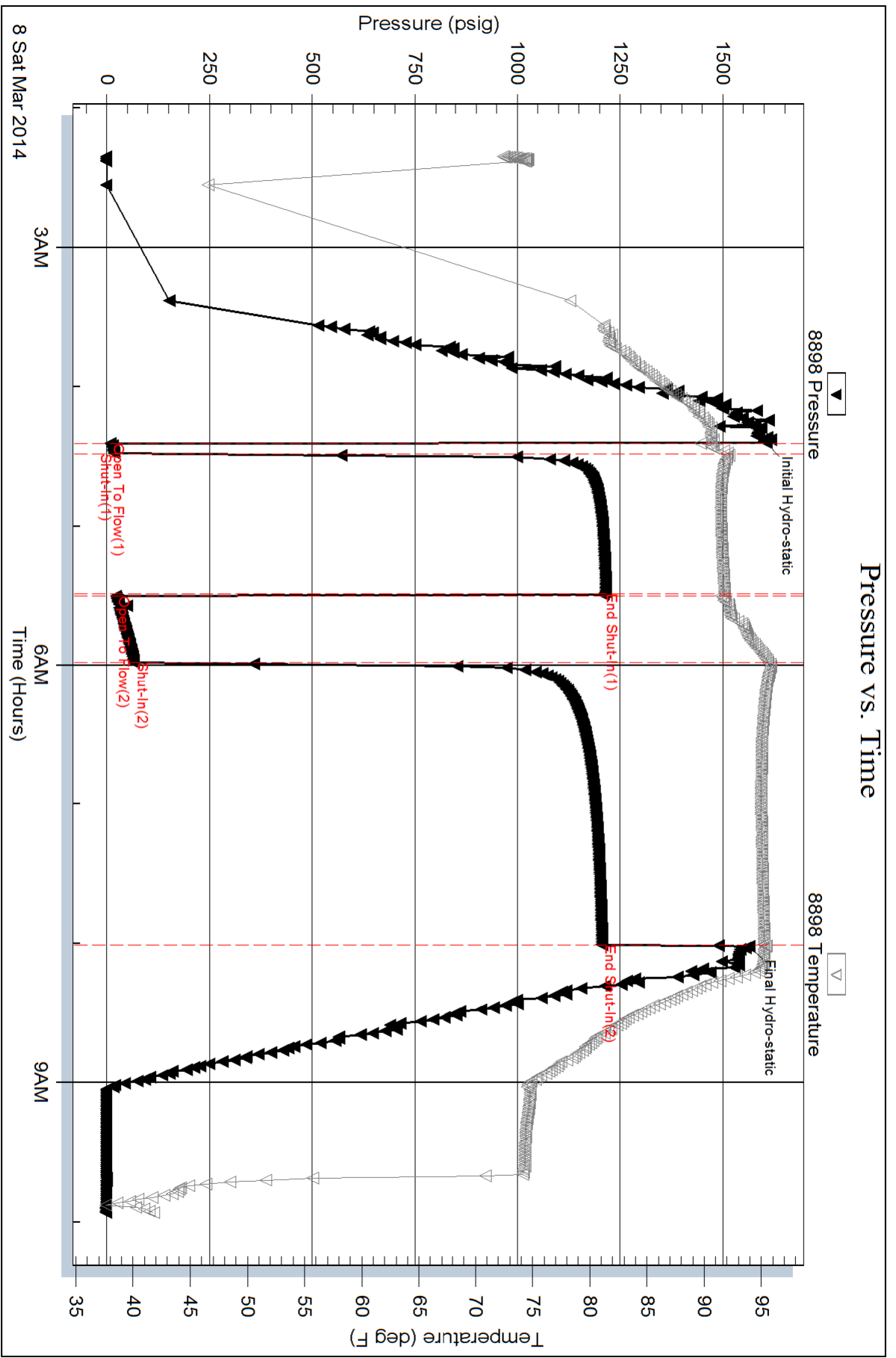
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8354

Fluid

Samuel Gary Jr. and Associates, Inc.

Clydesdale #1-10

DST Test Number: 1

