



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Samuel Gary Jr. & Assoc.

**Sec. 2 - 5 s. - 24 w./ Norton**

1515 Wynkoop Suite 700  
Denver Co.  
80202  
ATTN: Dan Pritchard

**Wagoner #1-2**

Job Ticket: 60500

**DST#: 2**

Test Start: 2014.08.27 @ 08:10:00

## GENERAL INFORMATION:

Formation: " B - C "

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:27:30

Time Test Ended: 17:16:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bob Hamel

Unit No: 58

**Interval: 3550.00 ft (KB) To 3588.00 ft (KB) (TVD)**

Total Depth: 3588.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2426.00 ft (KB)

2418.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 8679**

**Inside**

Press @ Run Depth: 267.71 psig @ 3584.00 ft (KB)

Start Date: 2014.08.27

End Date: 2014.08.27

Start Time: 08:10:01

End Time: 17:16:30

Capacity: 8000.00 psig

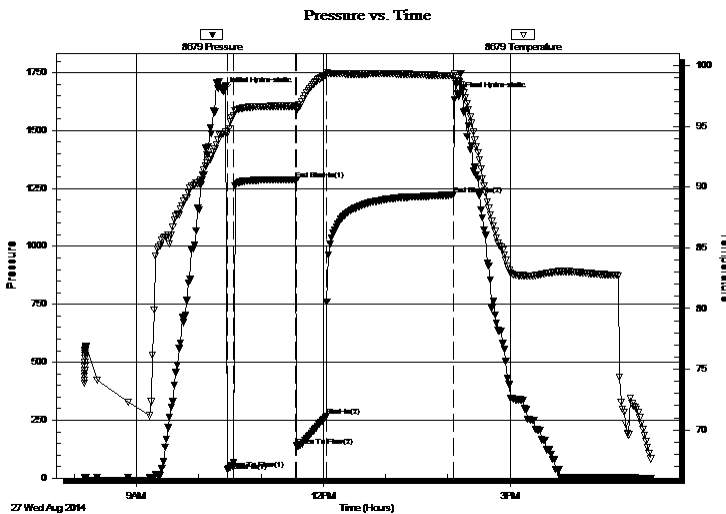
Last Calib.: 2014.08.27

Time On Btm: 2014.08.27 @ 10:24:00

Time Off Btm: 2014.08.27 @ 14:10:30

**TEST COMMENT:** I.F. - 5 - 1/2" INT. BLOW BUILT TO (4" IN 5 MIN.)  
I.S.I - 60 - NO B.B.  
F.F. - 30 - 1/2" INT. BLOW BUILT TO (B.O.B. IN 2 MIN.)  
F.S.I. - 120 - W.S.B.B. STARTED @ 3 MIN. BUILT TO B.O.B. IN

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1670.09	94.40	Initial Hydro-static
4	39.19	94.36	Open To Flow (1)
10	66.33	95.89	Shut-In(1)
69	1288.91	96.64	End Shut-In(1)
70	138.96	96.35	Open To Flow (2)
99	267.71	99.22	Shut-In(2)
221	1221.95	99.14	End Shut-In(2)
227	1648.53	98.68	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	H <sub>2</sub> O,C,M, 20% O 80% M	0.61
693.00	C/O 100%	9.72

## Gas Rates

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

\* Recovery from multiple tests





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 ATTN: Dan Pritchard

**Wagoner #1-2**

Job Ticket: 60500 **DST#: 2**

Test Start: 2014.08.27 @ 08:10:00

**GENERAL INFORMATION:**

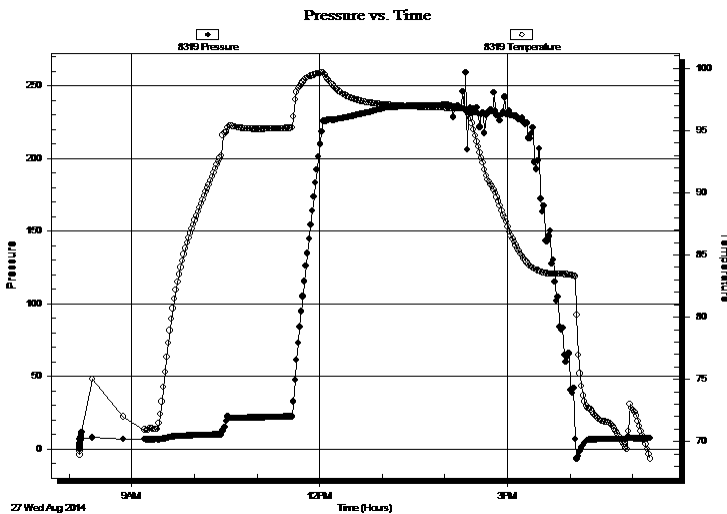
Formation: " B - C"					
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)			
Time Tool Opened: 10:27:30		Tester: Bob Hamel			
Time Test Ended: 17:16:30		Unit No: 58			
<b>Interval: 3550.00 ft (KB) To 3588.00 ft (KB) (TVD)</b>		Reference Elevations: 2426.00 ft (KB)			
Total Depth: 3588.00 ft (KB) (TVD)		2418.00 ft (CF)			
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 8.00 ft			

**Serial #: 8319**

**Fluid**

Press @ Run Depth: psig @ 3516.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2014.08.27	End Date: 2014.08.27
Start Time: 08:10:01	End Time: 17:18:00
	Last Calib.: 1899.12.30
	Time On Btm:
	Time Off Btm:

**TEST COMMENT:** I.F. - 5 - 1/2" INT. BLOW BUILT TO (4" IN 5 MIN.)  
 I.S.I - 60 - NO B.B.  
 F.F. - 30 - 1/2" INT. BLOW BUILT TO (B.O.B. IN 2 MIN.)  
 F.S.I. - 120 - W.S.B.B. STARTED @ 3 MIN. BUILT TO B.O.B. IN



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
63.00	H <sub>2</sub> O,C,M, 20% O 80% M	0.61
693.00	C/O 100%	9.72

**Gas Rates**

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

\* Recovery from multiple tests



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TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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**Sec. 2 - 5 s. - 24 w./ Norton**

1515 Wynkoop Suite 700  
Denver Co.  
80202  
ATTN: Dan Pritchard

**Wagoner #1-2**

Job Ticket: 60500

**DST#: 2**

Test Start: 2014.08.27 @ 08:10:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 59.00 sec/qt

Water Loss: 7.99 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	H <sub>2</sub> O,C,M, 20% O 80% M	0.610
693.00	C/O 100%	9.721

Total Length: 756.00 ft Total Volume: 10.331 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: "SAMPLER RECOVERY"

" 2,000 M.L. C/O / 300 P.S.I. / GRAVITY 40 "

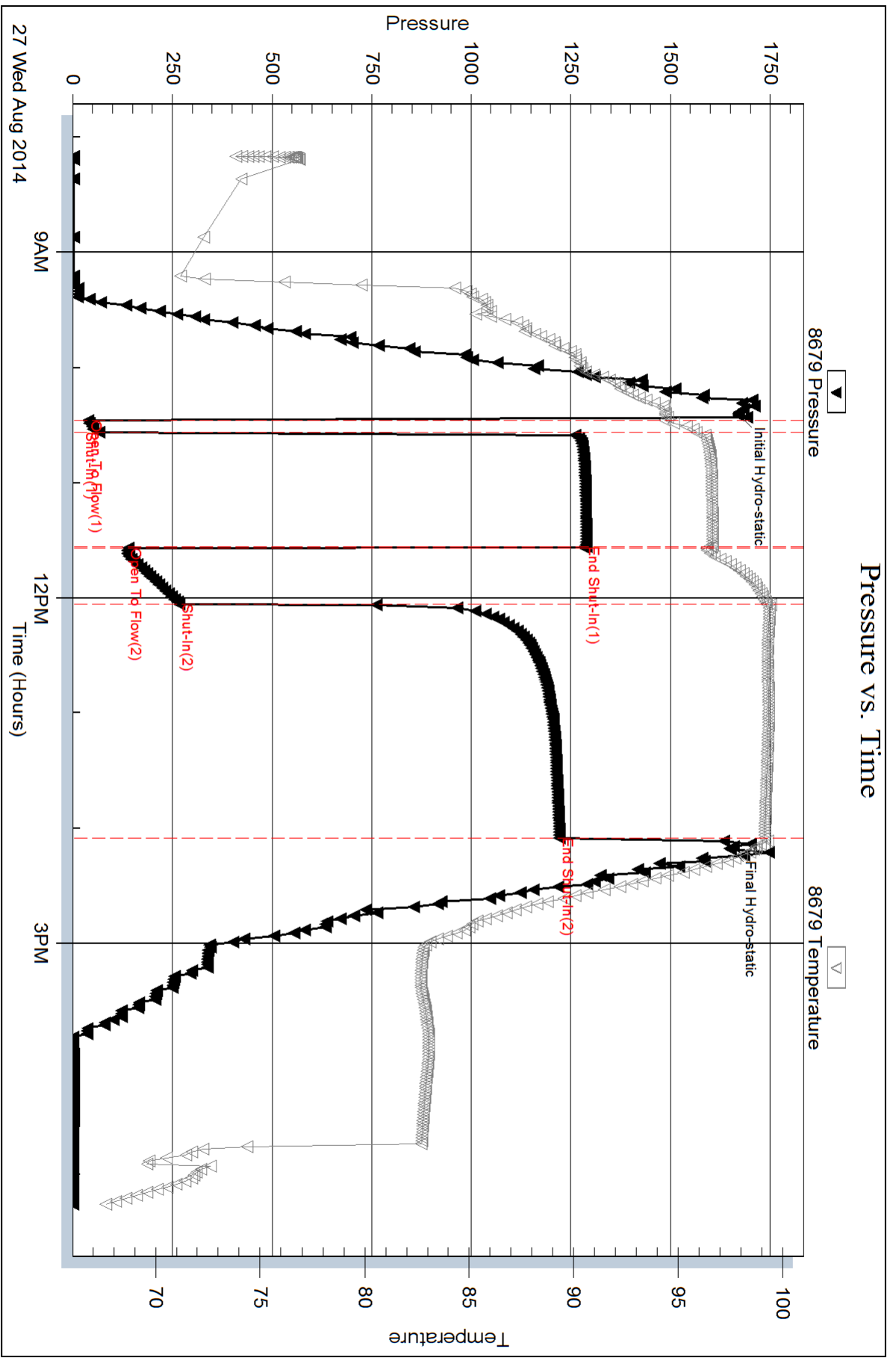
Serial #: 8679

Inside

Samuel Gary Jr. & Assoc.

Wagoner #1-2

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 60500

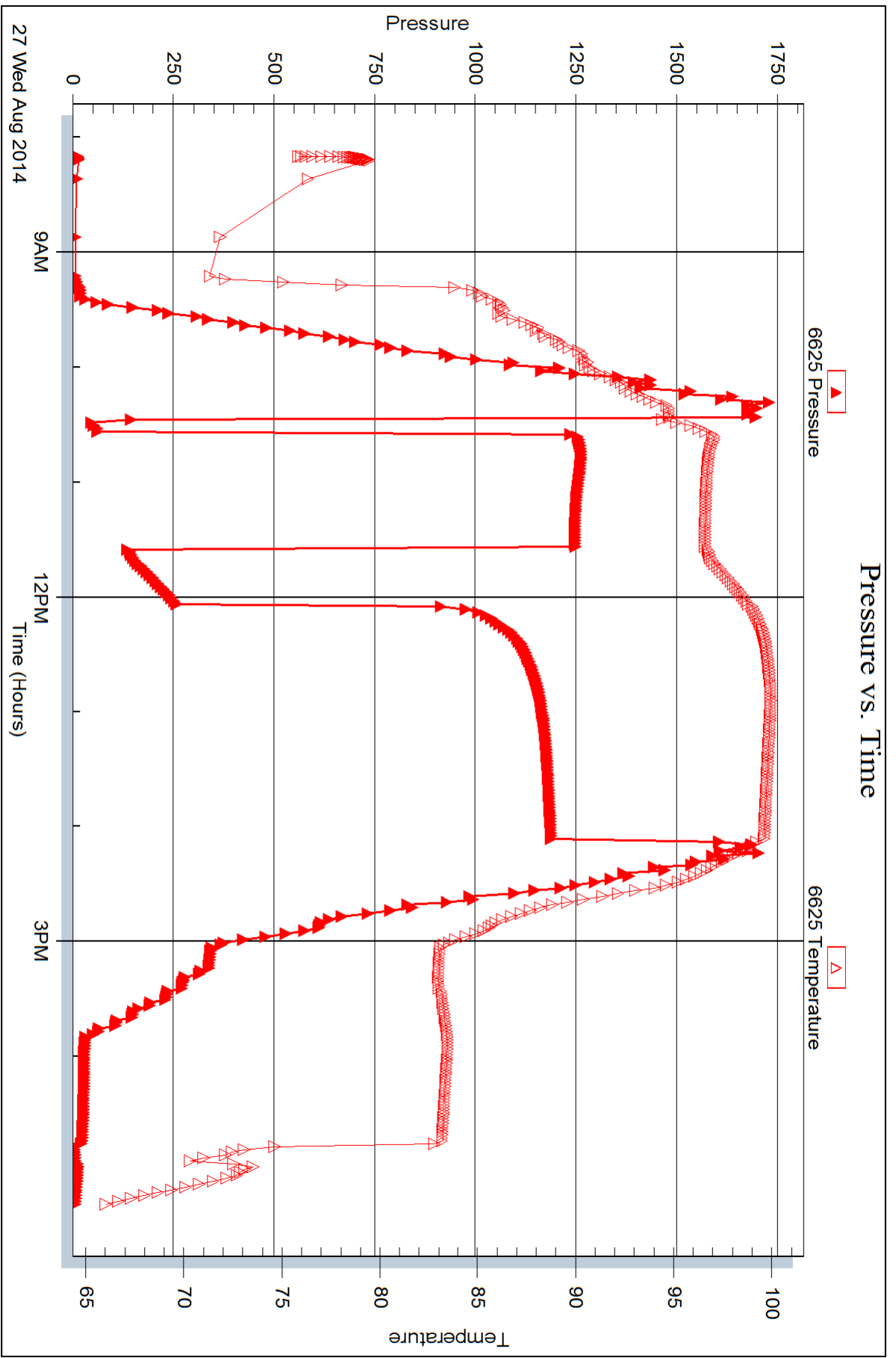
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Serial #: 6625

Outside Samuel Gary Jr. & Assoc.

Wagoner #1-2

DST Test Number: 2



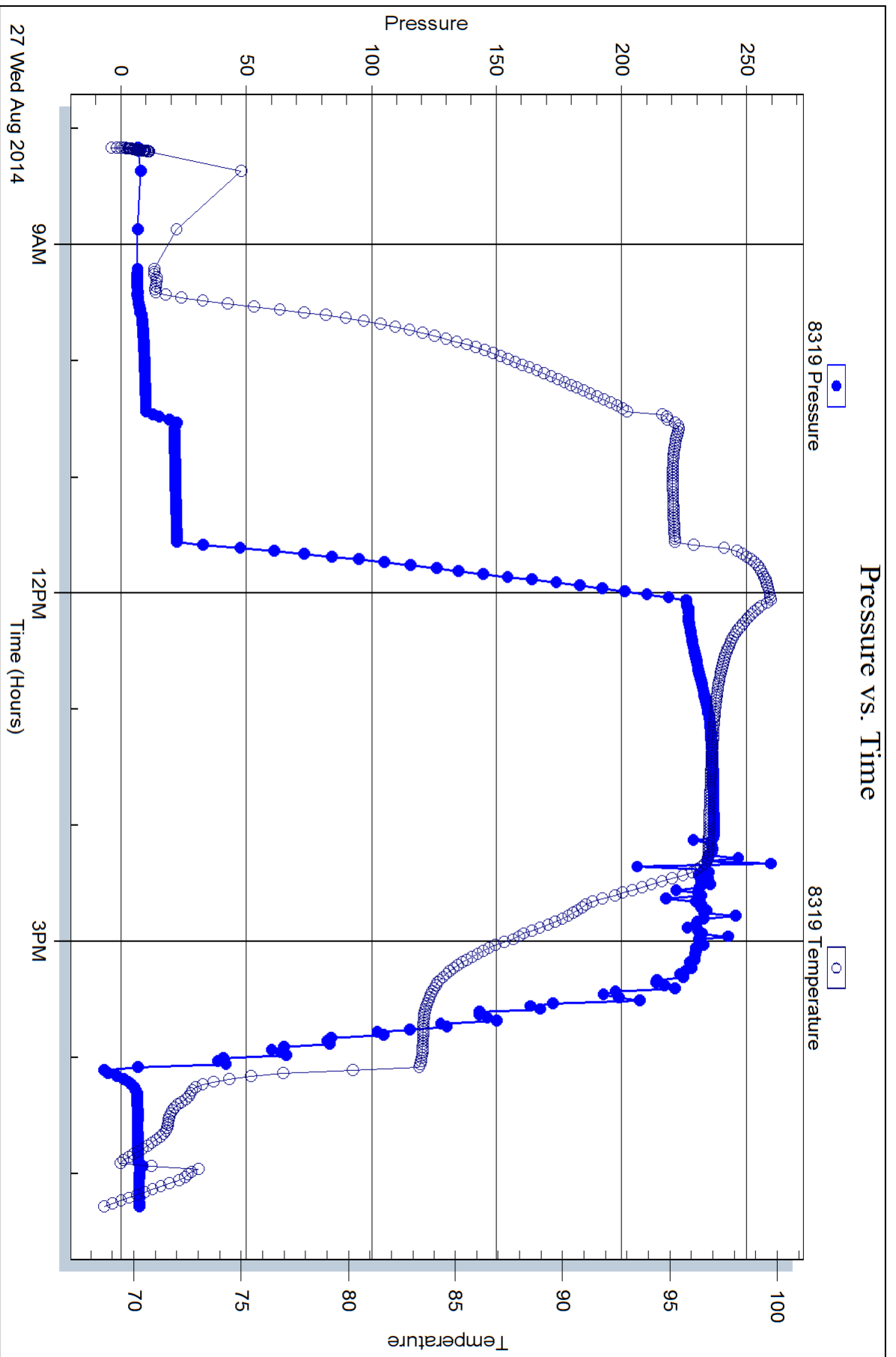
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Fluid

Samuel Gary Jr. & Assoc.

Wagoner #1-2

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 60500

Printed: 2014.08.27 @ 19:38:45