



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

34/4S/23W-Norton

1515 Wynkoop Ste. 700
Denver, CO 80202

Hager Trust 1-35

Job Ticket: 52124

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2013.05.06 @ 13:15:30

GENERAL INFORMATION:

Formation: **Toronto-Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:41:50

Time Test Ended: 20:23:30

Test Type: Conventional Straddle (Initial)

Tester: Dustin Rash

Unit No: 66

Interval: **3430.00 ft (KB) To 3468.00 ft (KB) (TVD)**

Reference Elevations: 2293.00 ft (KB)

Total Depth: 3880.00 ft (KB) (TVD)

2285.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8520 Outside

Press @ Run Depth: 28.45 psig @ 3434.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.06

End Date:

2013.05.06

Last Calib.:

2013.05.06

Start Time: 13:15:30

End Time:

20:23:30

Time On Btm:

2013.05.06 @ 14:41:40

Time Off Btm:

2013.05.06 @ 18:02:00

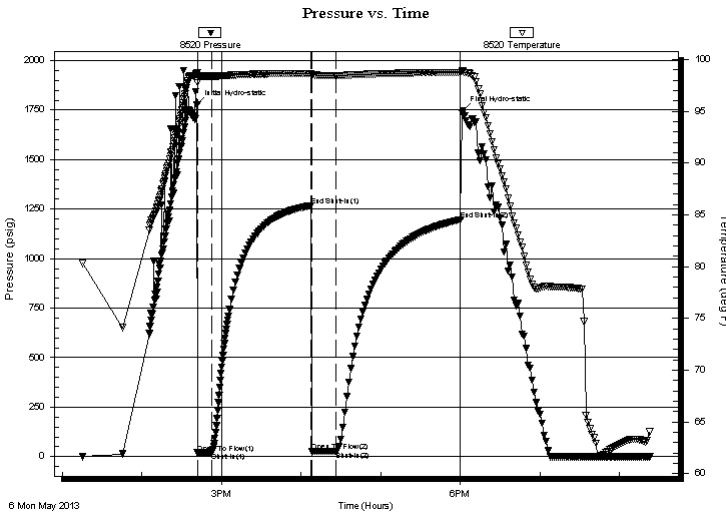
TEST COMMENT: IF-Weak surface blow throughout.

ISI-No Return.

FF-No Blow.

FSI-No Return. Times-10-75-20-90

PRESSURE SUMMARY



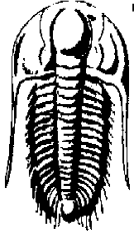
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1779.28	98.68	Initial Hydro-static
1	19.47	97.75	Open To Flow (1)
11	22.31	98.40	Shut-In(1)
86	1268.02	98.68	End Shut-In(1)
87	25.19	98.47	Open To Flow (2)
105	28.45	98.47	Shut-In(2)
199	1196.97	98.77	End Shut-In(2)
201	1746.63	98.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
6.00	100%Mud	0.03

Gas Rates

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



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Tester: Dustin Rash

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Reference Elevations: 2293.00 ft (KB)

Total Depth: 3880.00 ft (KB) (TVD)

2285.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8653

Fluid

Press @ Run Depth: psig @ 3400.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.06

End Date:

2013.05.06

Last Calib.:

2013.05.06

Start Time: 13:05:31

End Time:

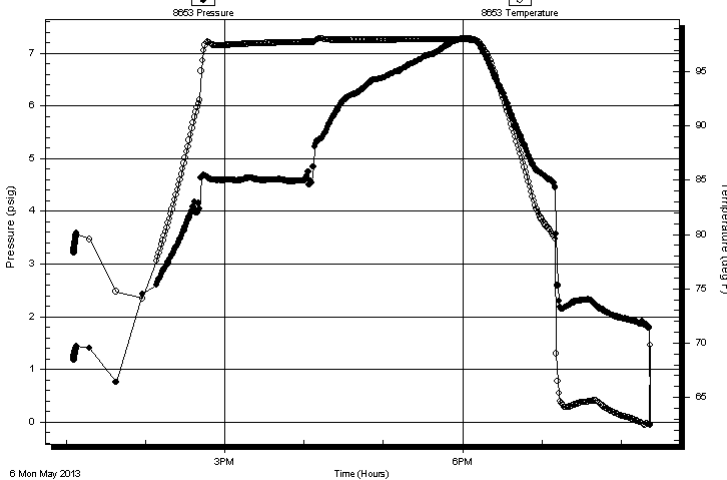
20:22:00

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-Weak surface blow throughout.
IS-No Return.
FF-No Blow.
FSI-No Return. Times-10-75-20-90

Pressure vs. Time



PRESSURE SUMMARY

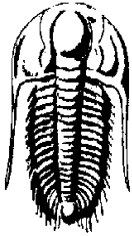
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
6.00	100%Mud	0.03

Gas Rates

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



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Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2293.00 ft (KB)

2285.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8875 Below (Straddle)

Press @RunDepth: psig @ 3470.00 ft (KB)

Start Date: 2013.05.06

End Date: 2013.05.06

Start Time: 13:05:45

End Time: 14:01:10

Capacity: 8000.00 psig

Last Calib.: 2013.05.06

Time On Btm:

Time Off Btm:

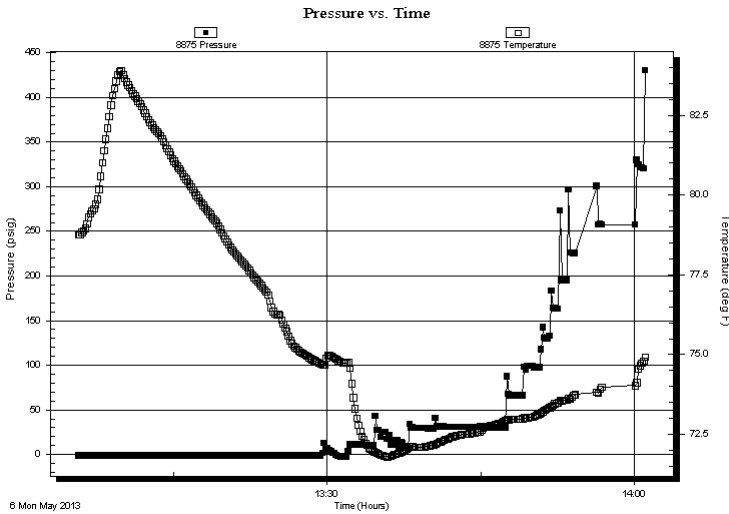
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PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
6.00	100%Mud	0.03

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Associates, Inc.

34/4S/23W-Norton

1515 Wynkoop Ste. 700
Denver, CO 80202

Hager Trust 1-35

Job Ticket: 52124

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2013.05.06 @ 13:15:30

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: 61.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
6.00	100%Mud	0.030

Total Length: 6.00 ft Total Volume: 0.030 bbl

Num Fluid Samples: 0

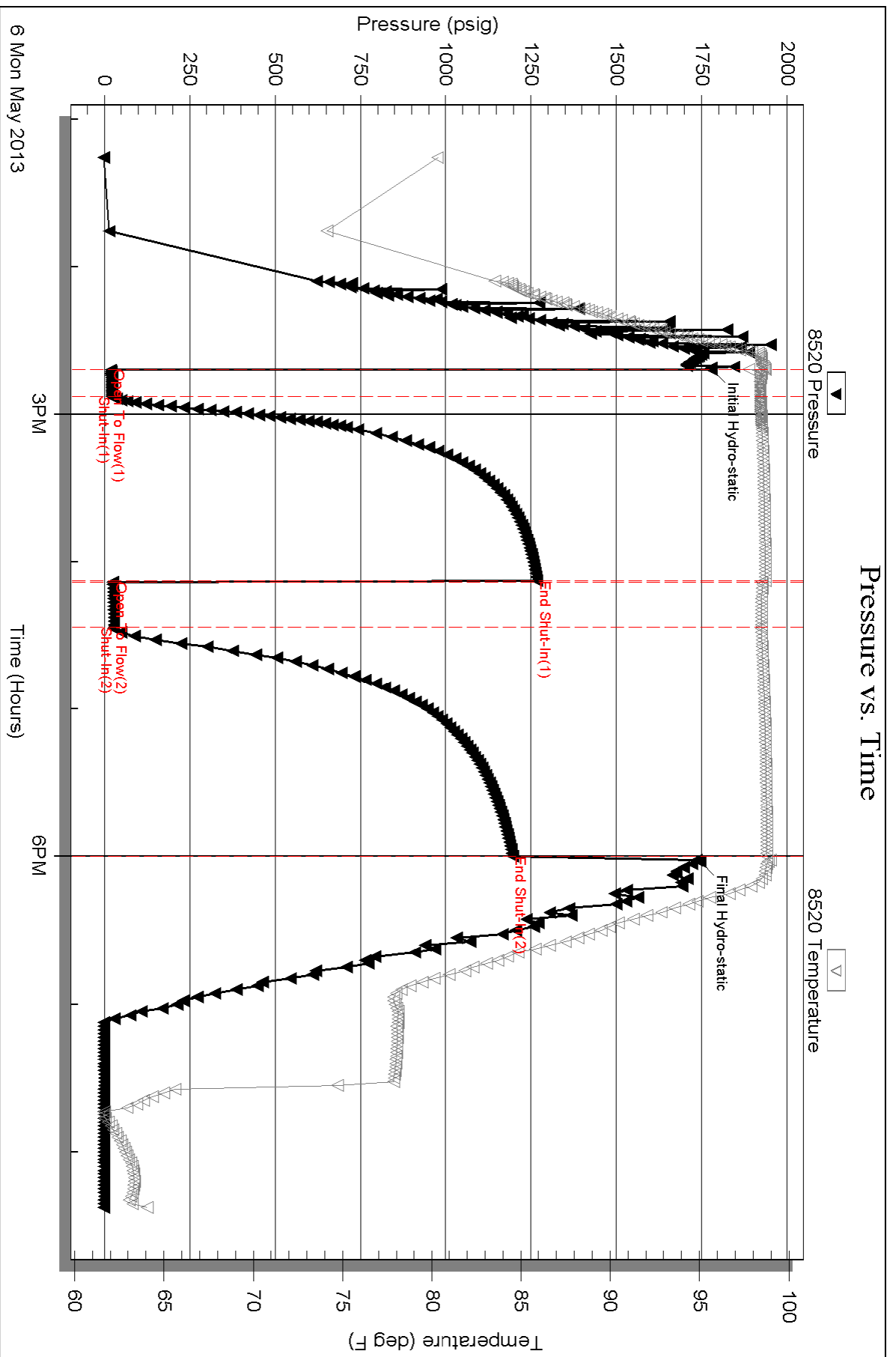
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler-2000ML total. 2000ML 100%Mud. 100# pressure.



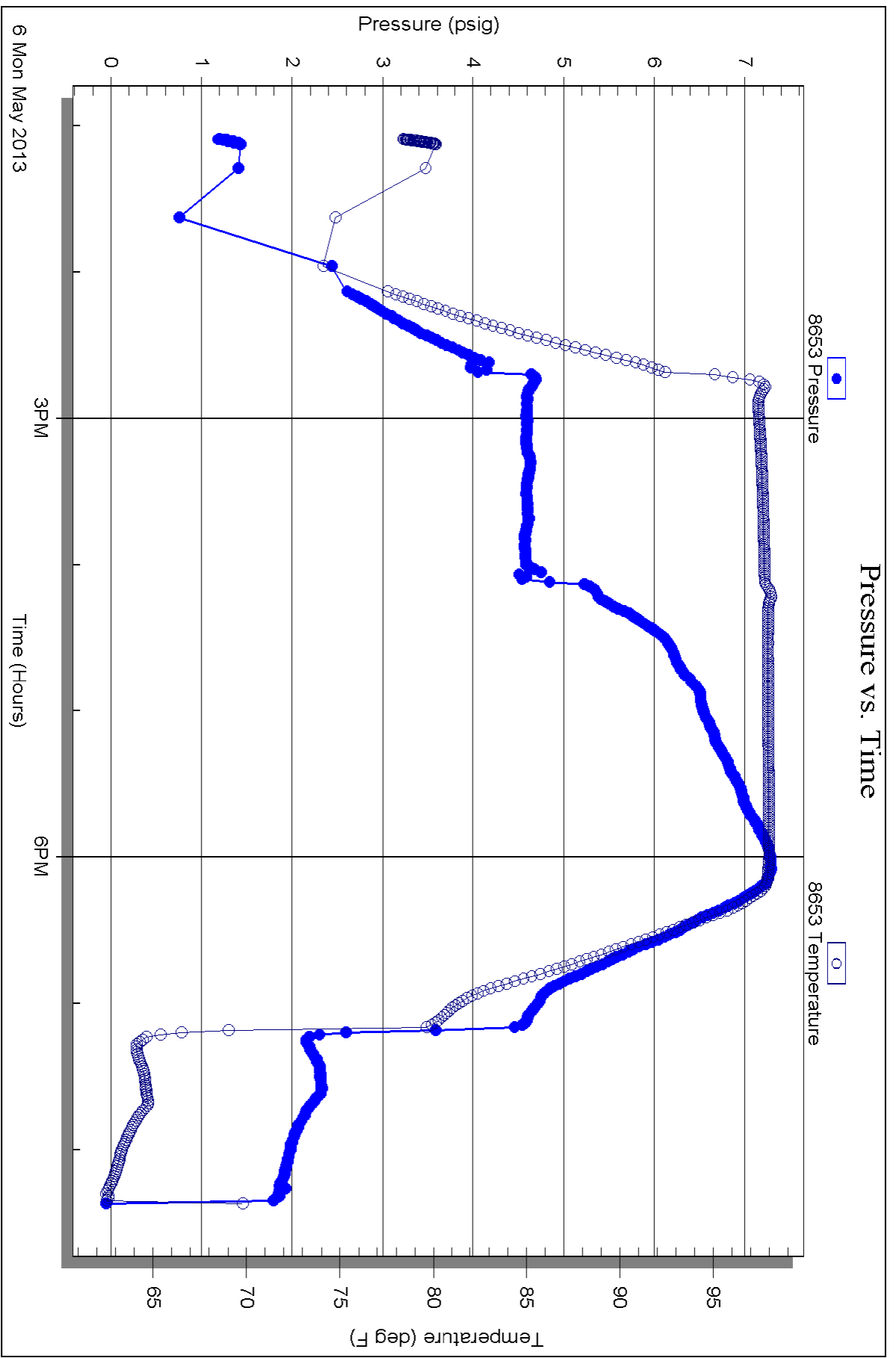
Serial #: 8653

Fluid

Samuel Gary Jr. & Associates, Inc.

Hager Trust 1-35

DST Test Number: 2



Serial #: 8875

Below (Stratton) Gary Jr. & Associates, Inc.

Hager Trust 1-35

DST Test Number: 2

