



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Samuel Gary Jr & Assoc Inc

16-9s-16w Rooks

1515 Wynkoop
STE 700
Denver, CO 80202
ATTN: Clayton Camozzi

JC #1-16

Job Ticket: 55329

DST#: 1

Test Start: 2014.04.20 @ 15:40:13

GENERAL INFORMATION:

Formation: **LeCompton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:42:08

Time Test Ended: 21:07:37

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 70

Interval: 3048.00 ft (KB) To 3076.00 ft (KB) (TVD)

Reference Elevations: 2061.00 ft (KB)

Total Depth: 3076.00 ft (KB) (TVD)

2053.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8369 Inside

Press @ Run Depth: 16.74 psig @ 3049.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.20 End Date: 2014.04.20

Last Calib.: 2014.04.20

Start Time: 15:40:13 End Time: 21:07:37

Time On Btm: 2014.04.20 @ 17:39:53

Time Off Btm: 2014.04.20 @ 19:37:23

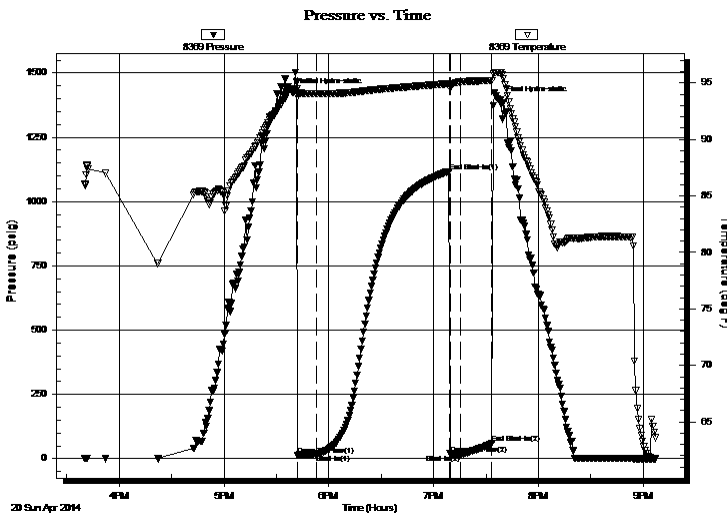
TEST COMMENT: 10-IFP-surface bl died in 6min

75-ISIP-no bl

5-FFP-no bl

20-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1424.60	94.46	Initial Hydro-static
3	14.94	93.76	Open To Flow (1)
13	16.64	94.05	Shut-In(1)
89	1117.15	94.94	End Shut-In(1)
90	18.38	94.71	Open To Flow (2)
96	16.74	95.09	Shut-In(2)
114	59.24	95.23	End Shut-In(2)
118	1393.84	95.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	O&GCM 5%G20%O75%M	0.01

Gas Rates

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



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2053.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8700 Outside

Press @ RunDepth: psig @ 3049.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.20 End Date: 2014.04.20

Last Calib.: 2014.04.20

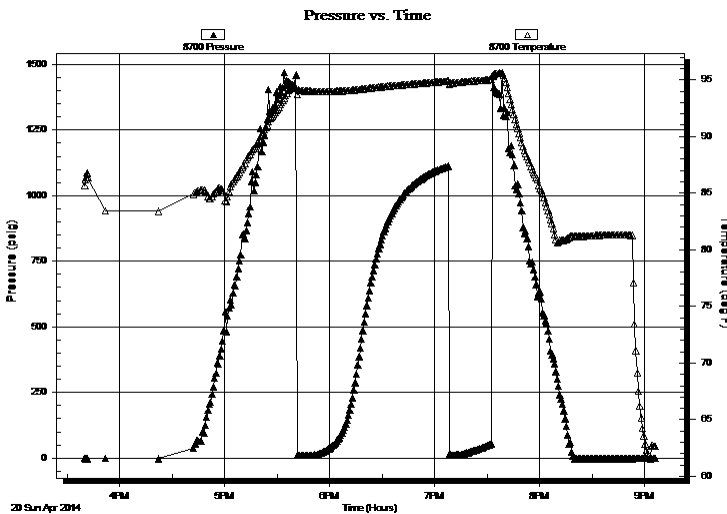
Start Time: 15:40:05 End Time: 21:06:29

Time On Btm:

Time Off Btm:

TEST COMMENT: 10-IFP-surface bl died in 6min
75-ISIP-no bl
5-FFP-no bl
20-FSIP-no bl

PRESSURE SUMMARY



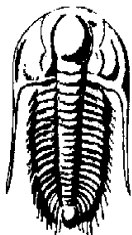
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
3.00	O&GCM 5%G20%O75%M	0.01

Gas Rates

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



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Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2061.00 ft (KB)

2053.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8374

Fluid

Press @RunDepth: psig @ 3012.00 ft (KB)

Start Date: 2014.04.20

End Date:

2014.04.20

Start Time: 15:40:07

End Time:

21:05:01

Capacity: 8000.00 psig

Last Calib.:

2014.04.20

Time On Btm:

Time Off Btm:

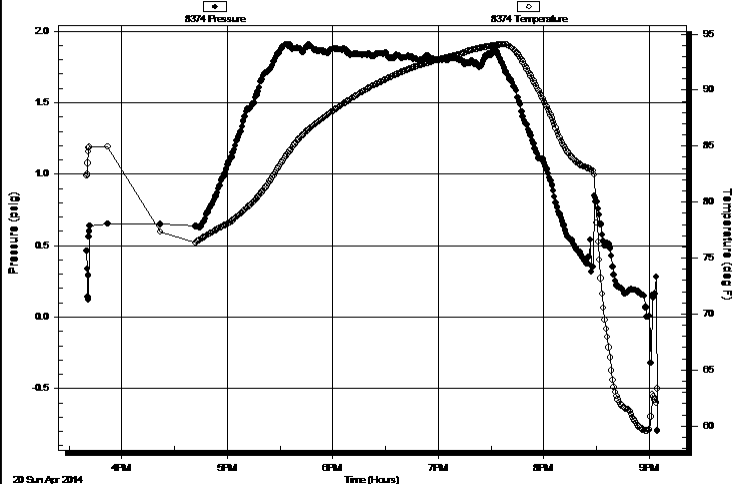
TEST COMMENT: 10-IFP-surface bl died in 6min

75-ISIP-no bl

5-FFP-no bl

20-FSIP-no bl

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
3.00	O&GCM 5%G20%O75%M	0.01

Gas Rates

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



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FLUID SUMMARY

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JC #1-16

Job Ticket: 55329

DST#: 1

Test Start: 2014.04.20 @ 15:40:13

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 61.00 sec/qt

Water Loss: 7.19 in³

Resistivity: ohm.m

Salinity: 4000.00 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
3.00	O&GCM 5%G20%O75%M	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data: PSI 40# 100MLgas 400ML oil 1500ML mud

Serial #: 8369

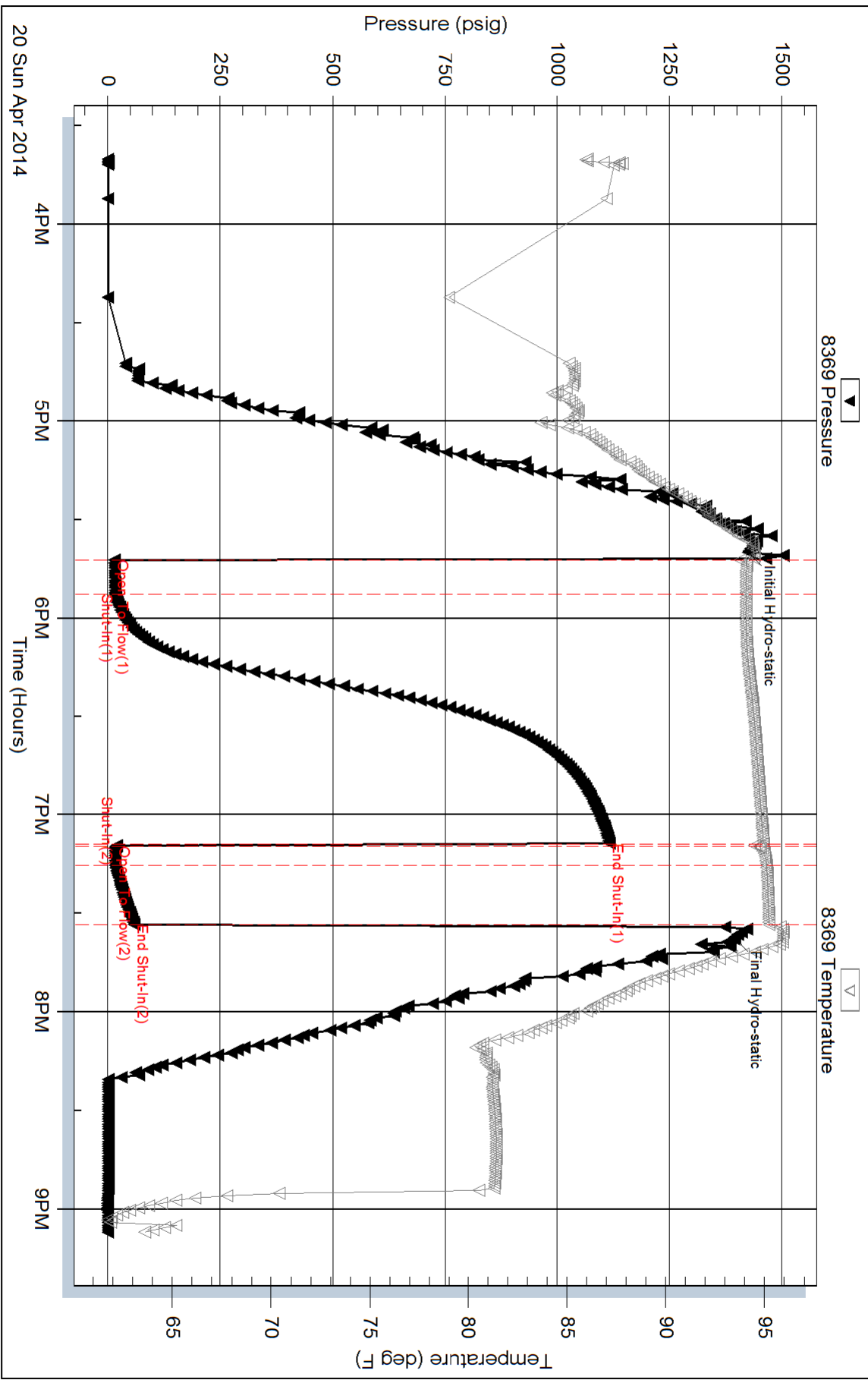
Inside

Samuel Gary Jr & Assoc Inc

JC#1-16

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 55329

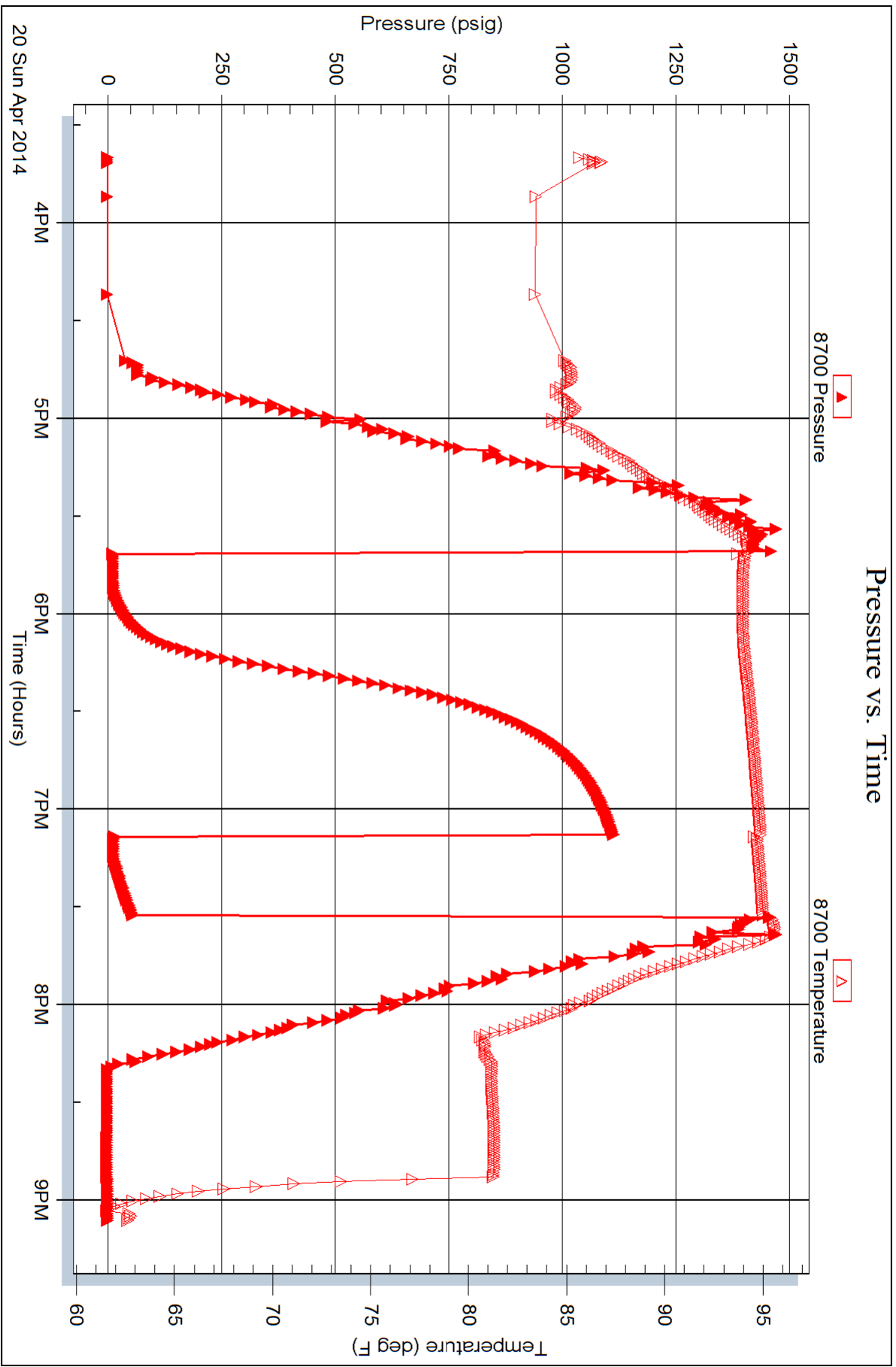
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Serial #: 8700

Outside Samuel Gary Jr & Assoc Inc

JC#1-16

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 55329

Printed: 2014.04.20 @ 23:18:23

Serial #: 8374

Fluid

Samuel Gary Jr & Assoc Inc

JC#1-16

DST Test Number: 1

