



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary, Jr & Associates

32-15s-15w-Russell

1515 Wynkoop St
Suite 700
Denver Co 80202
ATTN: Clayton Camozzi

Walter etal 1-32

Job Ticket: 44799

DST#: 1

Test Start: 2012.05.23 @ 14:28:09

GENERAL INFORMATION:

Formation: **Lansing A-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:18:39

Time Test Ended: 22:25:39

Test Type: Conventional Bottom Hole (Initial)

Tester: Jeff Brown

Unit No: 44

Interval: 3148.00 ft (KB) To 3224.00 ft (KB) (TVD)

Reference Elevations: 1919.00 ft (KB)

Total Depth: 3224.00 ft (KB) (TVD)

1909.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8321

Inside

Press @ Run Depth: 78.76 psig @ 3153.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.23

End Date:

2012.05.23

Last Calib.:

2012.05.23

Start Time:

14:28:10

End Time:

22:24:39

Time On Btm:

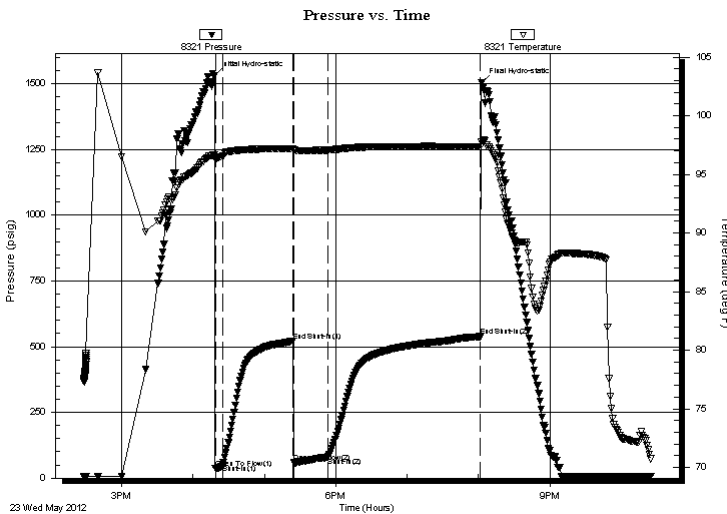
2012.05.23 @ 16:18:09

Time Off Btm:

2012.05.23 @ 20:02:39

TEST COMMENT: IFP-5-min-Good blow BOB in 5 min
ISI-60-min-Dead no blow back
FFP-30-min-Strong blow BOB in 30 sec
FSI-120-min-Weak Blow built to 1 in Died out in 80 min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1530.00	96.68	Initial Hydro-static
1	37.93	96.38	Open To Flow (1)
7	51.37	96.53	Shut-In(1)
66	521.69	97.20	End Shut-In(1)
67	59.25	97.11	Open To Flow (2)
95	78.76	97.07	Shut-In(2)
224	538.89	97.37	End Shut-In(2)
225	1504.03	97.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
146.00	GOCM 15%G 10%O 75%M	2.05
0.00	738-GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary, Jr & Associates

32-15s-15w-Russell

1515 Wynkoop St
Suite 700
Denver Co 80202

Walter etal 1-32

Job Ticket: 44799

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2012.05.23 @ 14:28:09

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: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
146.00	GOCM 15%G 10%O 75%M	2.048
0.00	738-GIP	0.000

Total Length: 146.00 ft Total Volume: 2.048 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8321

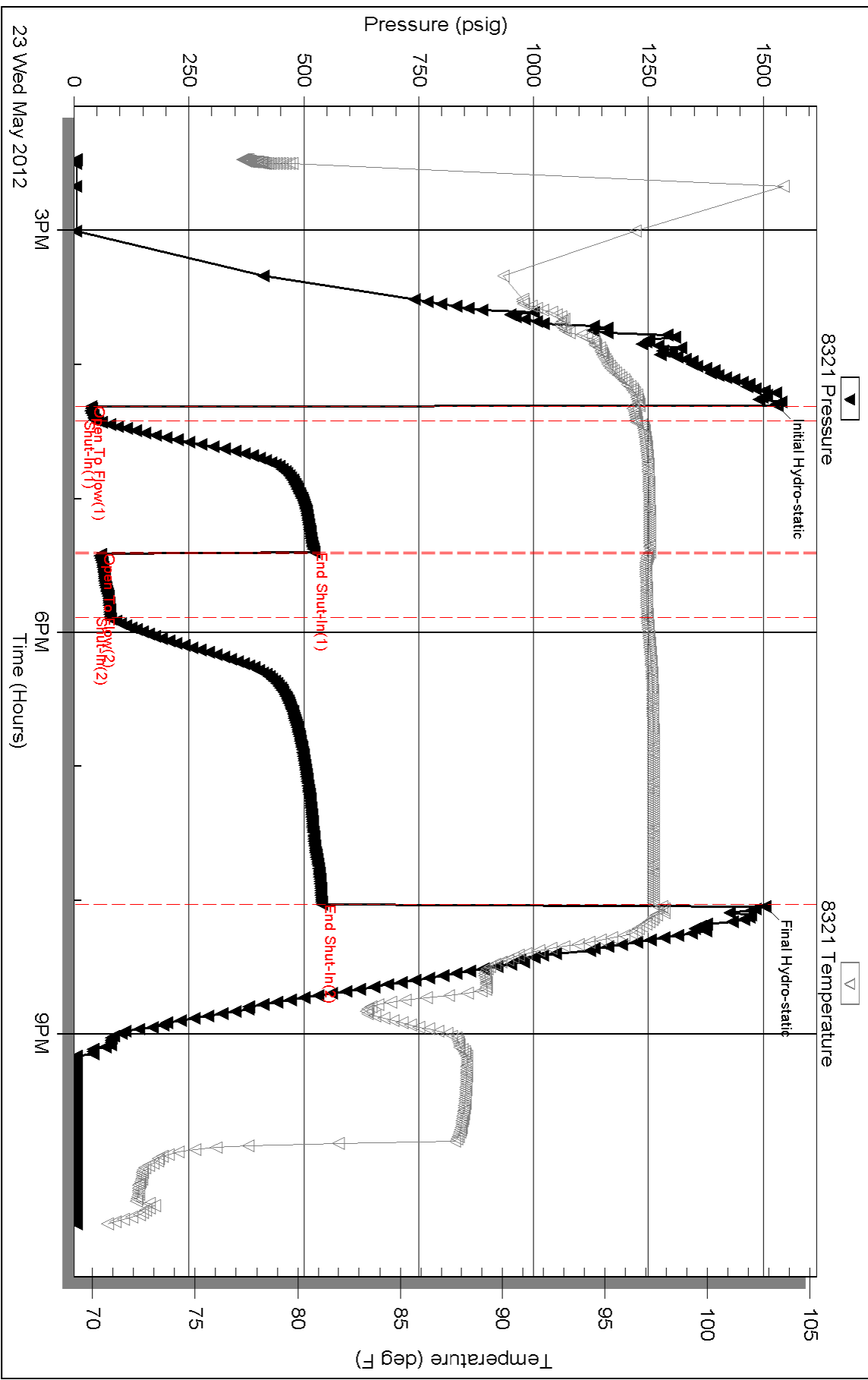
Inside

Samuel Gary, Jr & Associates

Waller etal 1-32

DST Test Number: 1

Pressure vs. Time



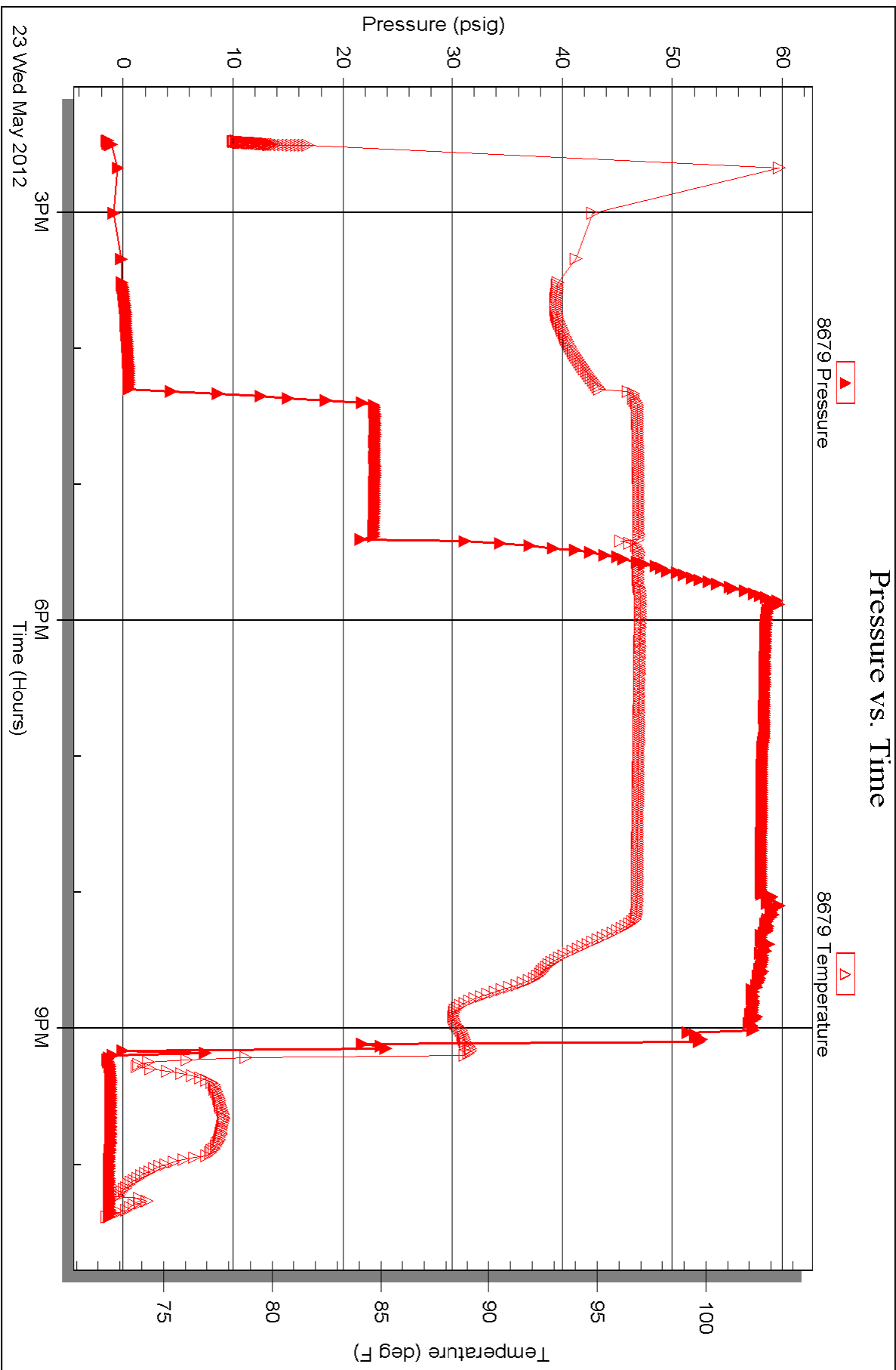
Serial #: 8679

Fluid

Samuel Gary, Jr & Associates

Waller etal 1-32

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 44799

Printed: 2012.05.24 @ 08:00:44