

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Sam Gary Jr and Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43535

DST#: 3

Test Start: 2011.07.05 @ 20:44:53

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:23:23

Time Test Ended: 01:58:23

Test Type: Conventional Straddle (Reset)

Tester: Jason McLemore

Unit No: 54

Interval: 3459.00 ft (KB) To 3499.00 ft (KB) (TVD)

Reference Elevations: 1953.00 ft (KB)

Total Depth: 3644.00 ft (KB) (TVD)

1943.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8673

Inside

Press @ RunDepth: 762.67 psig @ 3464.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.05

End Date:

2011.07.06

Last Calib.:

2011.07.06

Start Time:

20:44:55

End Time:

01:58:23

Time On Btm:

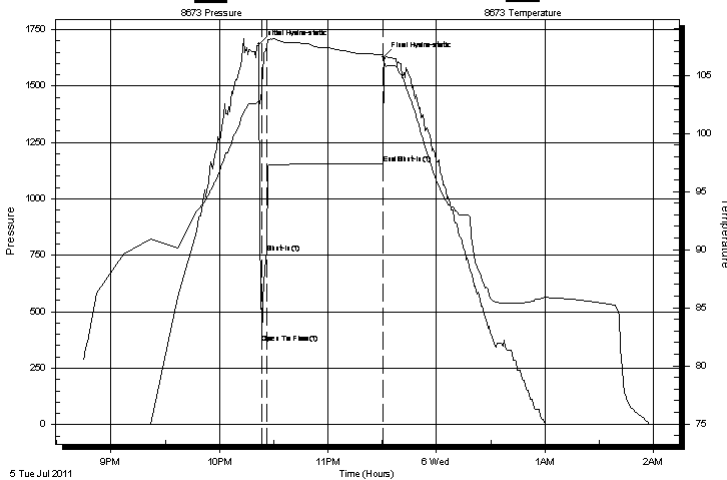
2011.07.05 @ 22:21:53

Time Off Btm:

2011.07.05 @ 23:30:53

TEST COMMENT: IFP-Strong, BOB in 15 Seconds
ISI-Dead, Pull Tool at End of Period

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1684.74	102.72	Initial Hydro-static
2	361.41	104.24	Open To Flow (1)
5	762.67	107.48	Shut-In(1)
69	1153.90	106.81	End Shut-In(1)
69	1629.14	106.35	Final Hydro-static

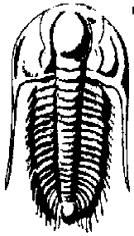
Recovery

Length (ft)	Description	Volume (bbl)
690.00	Muddy Water-90%W-10%M	9.68

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 9.18 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 18500 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
690.00	Muddy Water-90%W-10%M	9.679

Total Length: 690.00 ft Total Volume: 9.679 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler 40#, 3000ml w atery mud 99%W-1%M

Serial #: 8673

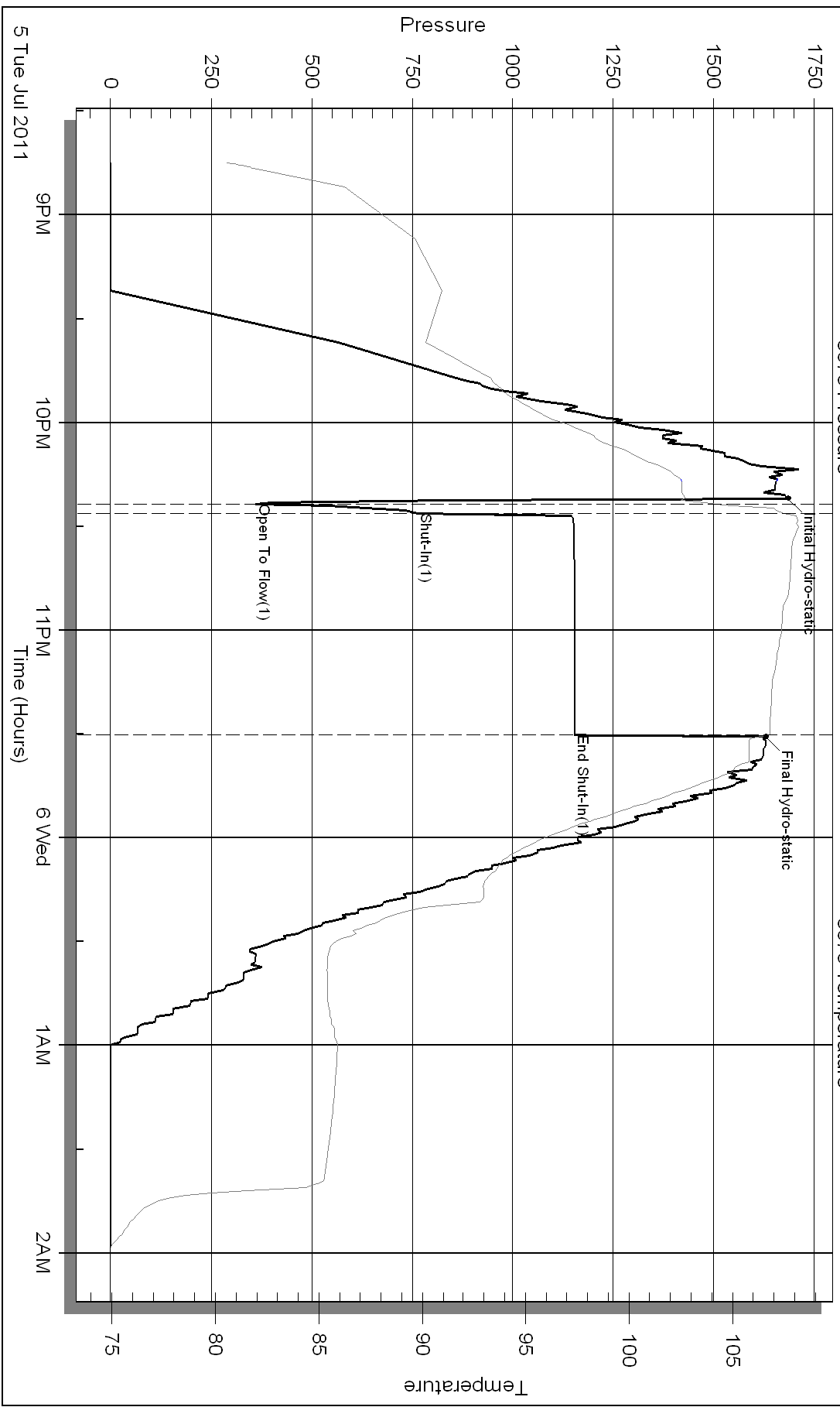
Inside

Sam Gary Jr and Associates

10-16s-16w-Rush

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 43535

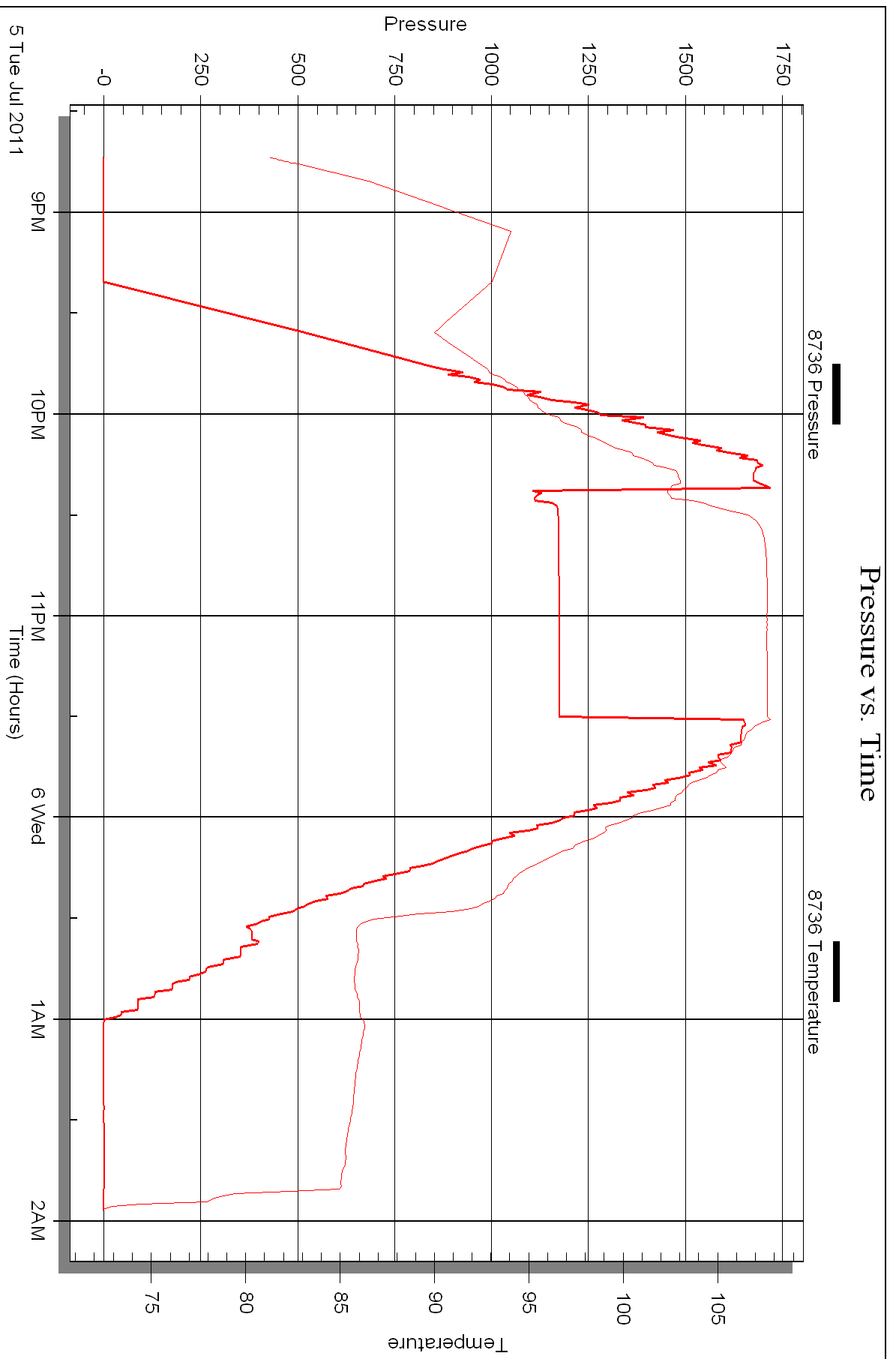
Printed: 2011.07.06 @ 09:25:33

Serial #: 8736

Below (Strathmore) Jr and Associates

10-16s-16w-Rush

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 43535

Printed: 2011.07.06 @ 09:25:33

Serial #: 6755

Fluid

Sam Gary Jr and Associates

10-16s-16w-Rush

DST Test Number: 3

