



DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr. & Ass. INC,**

1515 Wynkoop St. Suite 700
Denver CO, 80202

ATTN: Clayton Camozzi

Bogleigh Wallah 2-4

4-16s-16w Rush

Start Date: 2011.10.03 @ 09:59:00

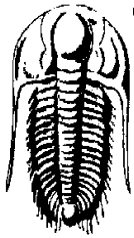
End Date: 2011.10.03 @ 18:09:30

Job Ticket #: 44651 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2011.10.04 @ 13:33:09

Sam Gary Jr. & Ass. INC,
4-16s-16w Rush
Bogleigh Wallah 2-4
DST # 1
KC "C-D"
2011.10.03



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Sam Gary Jr. & Ass. INC,
 1515 Wynkoop St. Suite 700
 Denver CO, 80202
 ATTN: Clayton Camozzi

4-16s-16w Rush
Bogleigh Wallah 2-4
 Job Ticket: 44651 **DST#: 1**
 Test Start: 2011.10.03 @ 09:59:00

GENERAL INFORMATION:

Formation: **KC "C-D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:45:30
 Time Test Ended: 18:09:30
 Interval: **3158.00 ft (KB) To 3206.00 ft (KB) (TVD)**
 Total Depth: 3206.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Cody Bloedorn
 Unit No: 47
 Reference Elevations: 1870.00 ft (KB)
 1862.00 ft (CF)
 KB to GR/CF: 8.00 ft

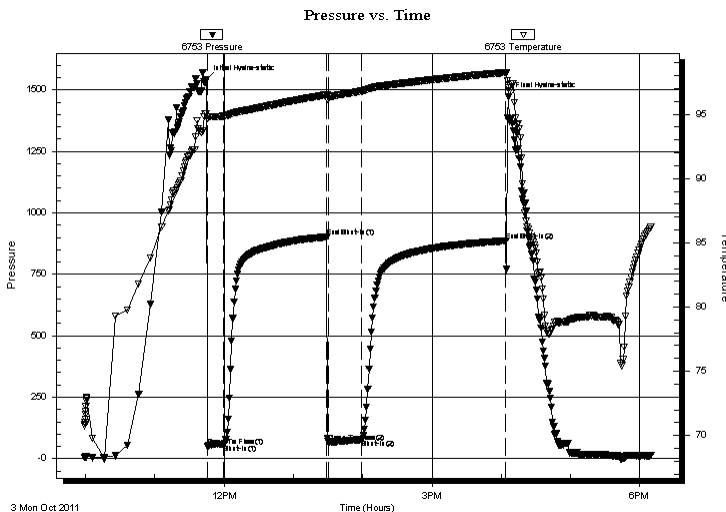
Serial #: 6753

Inside

Press @ Run Depth: 78.05 psig @ 3194.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.10.03 End Date: 2011.10.03 Last Calib.: 2011.10.03
 Start Time: 09:59:05 End Time: 18:09:29 Time On Btm: 2011.10.03 @ 11:44:30
 Time Off Btm: 2011.10.03 @ 16:06:30

TEST COMMENT: 15 - IF- 5" blow
 90 - IS- No blow back
 30 - FF- B.O.B. in 13 Min.
 120 - FS- Surface blow , died in 1 Hr. and 28 Min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1541.86	95.06	Initial Hydro-static
1	50.06	94.67	Open To Flow (1)
15	58.31	94.84	Shut-In(1)
105	901.79	96.52	End Shut-In(1)
106	68.85	96.32	Open To Flow (2)
134	78.05	96.79	Shut-In(2)
260	885.74	98.26	End Shut-In(2)
262	1471.31	97.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOCWM, 5%G, 20%W, 25%O, 50%M	0.59
31.00	GMW, Oil scum, 10%G, 40%M, 50%W	0.43
0.00	3 Stand of G.I.P.	0.00

Gas Rates

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



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TESTING, INC.**

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TOOL DIAGRAM

Sam Gary Jr. & Ass. INC,
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Denver CO, 80202
ATTN: Clayton Camozzi

4-16s-16w Rush
Bogleigh Wallah 2-4
Job Ticket: 44651 **DST#: 1**
Test Start: 2011.10.03 @ 09:59:00

Tool Information

Drill Pipe:	Length: 3095.00 ft	Diameter: 3.80 inches	Volume: 43.41 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 43.56 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3158.00 ft			Final 46500.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	83.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3124.00	
Recorder	0.00	8319	Inside	3124.00	
Blank Spacing	5.00			3129.00	
Shut In Tool	5.00			3134.00	
Sampler	2.00			3136.00	
Hydraulic tool	5.00			3141.00	
Jars	5.00			3146.00	
Safety Joint	2.00			3148.00	
Packer	5.00			3153.00	35.00 Bottom Of Top Packer
Packer	5.00			3158.00	
Stubb	1.00			3159.00	
Perforations	2.00			3161.00	
Change Over Sub	1.00			3162.00	
Perforations	31.00			3193.00	
Change Over Sub	1.00			3194.00	
Recorder	0.00	6753	Inside	3194.00	
Recorder	0.00	8369	Outside	3194.00	
Perforations	9.00			3203.00	
Bullnose	3.00			3206.00	48.00 Bottom Packers & Anchor

Total Tool Length: 83.00



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FLUID SUMMARY

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4-16s-16w Rush

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Denver CO, 80202

Bogleigh Wallah 2-4

Job Ticket: 44651

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2011.10.03 @ 09:59:00

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: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	GOCWM, 5%G, 20%W, 25%O, 50%M	0.587
31.00	GMW, Oil scum, 10%G, 40%M, 50%W	0.435
0.00	3 Stand of G.I.P.	0.000

Total Length: 93.00 ft Total Volume: 1.022 bbl

Num Fluid Samples: 0

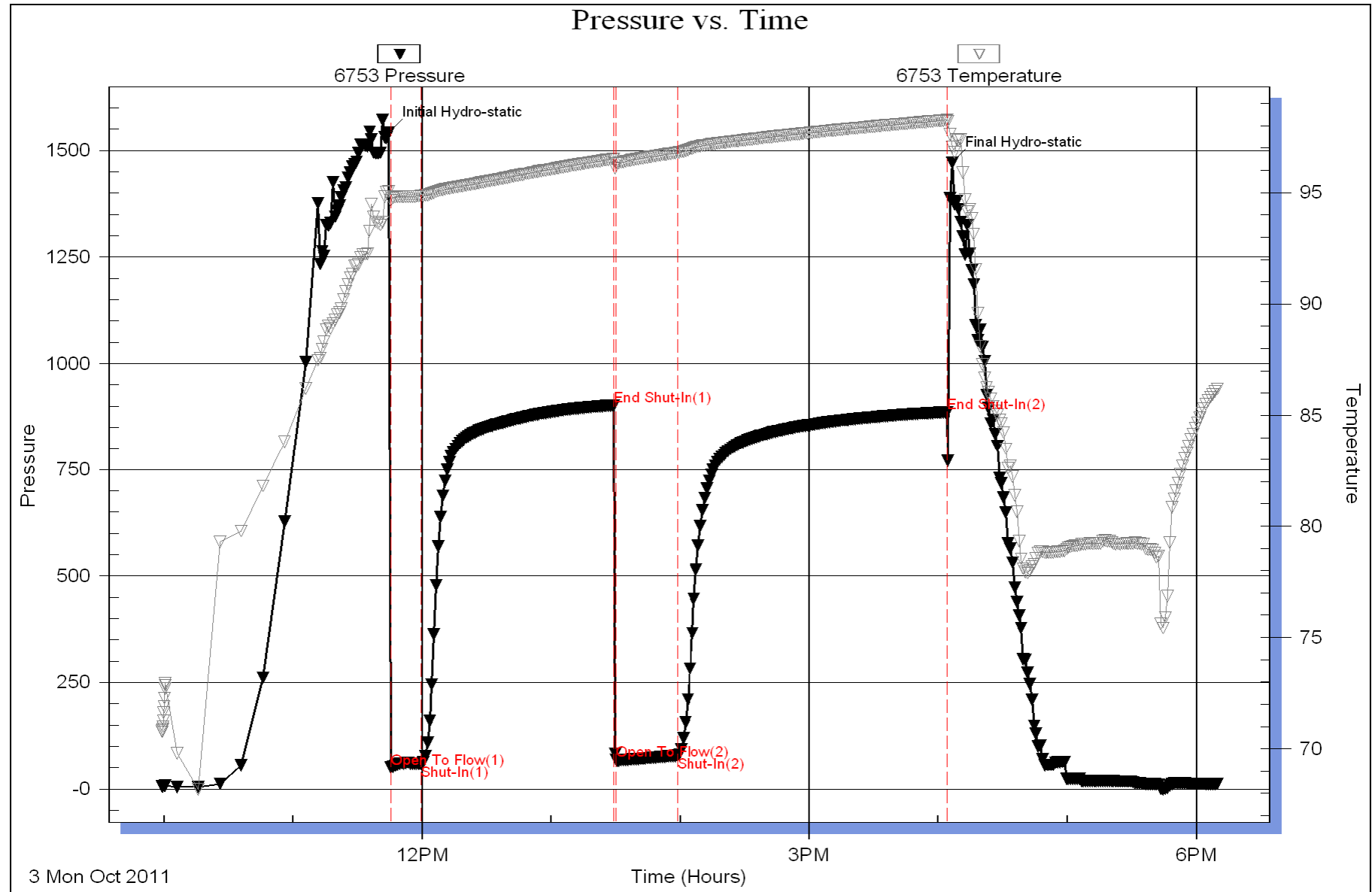
Num Gas Bombs: 0

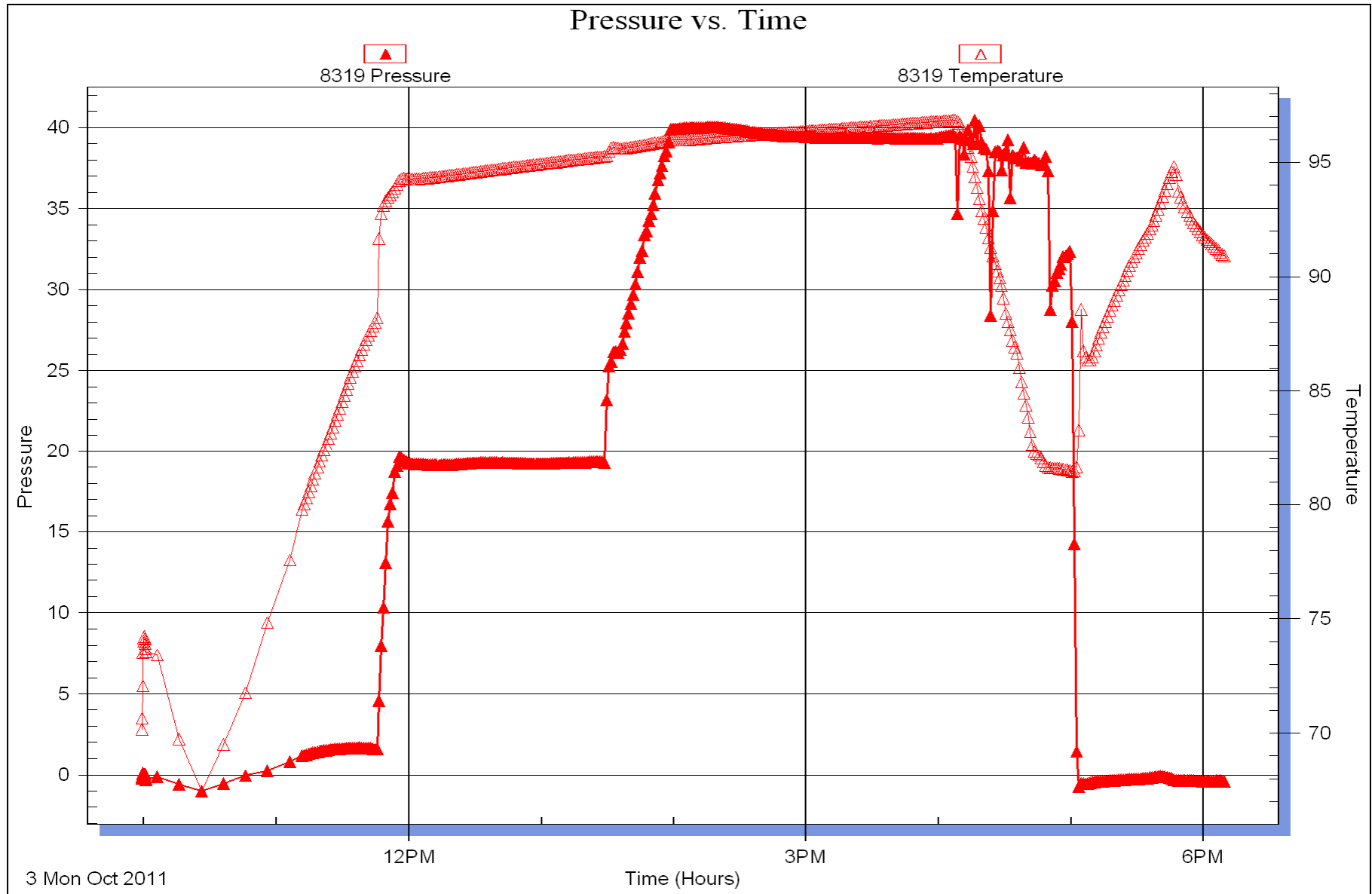
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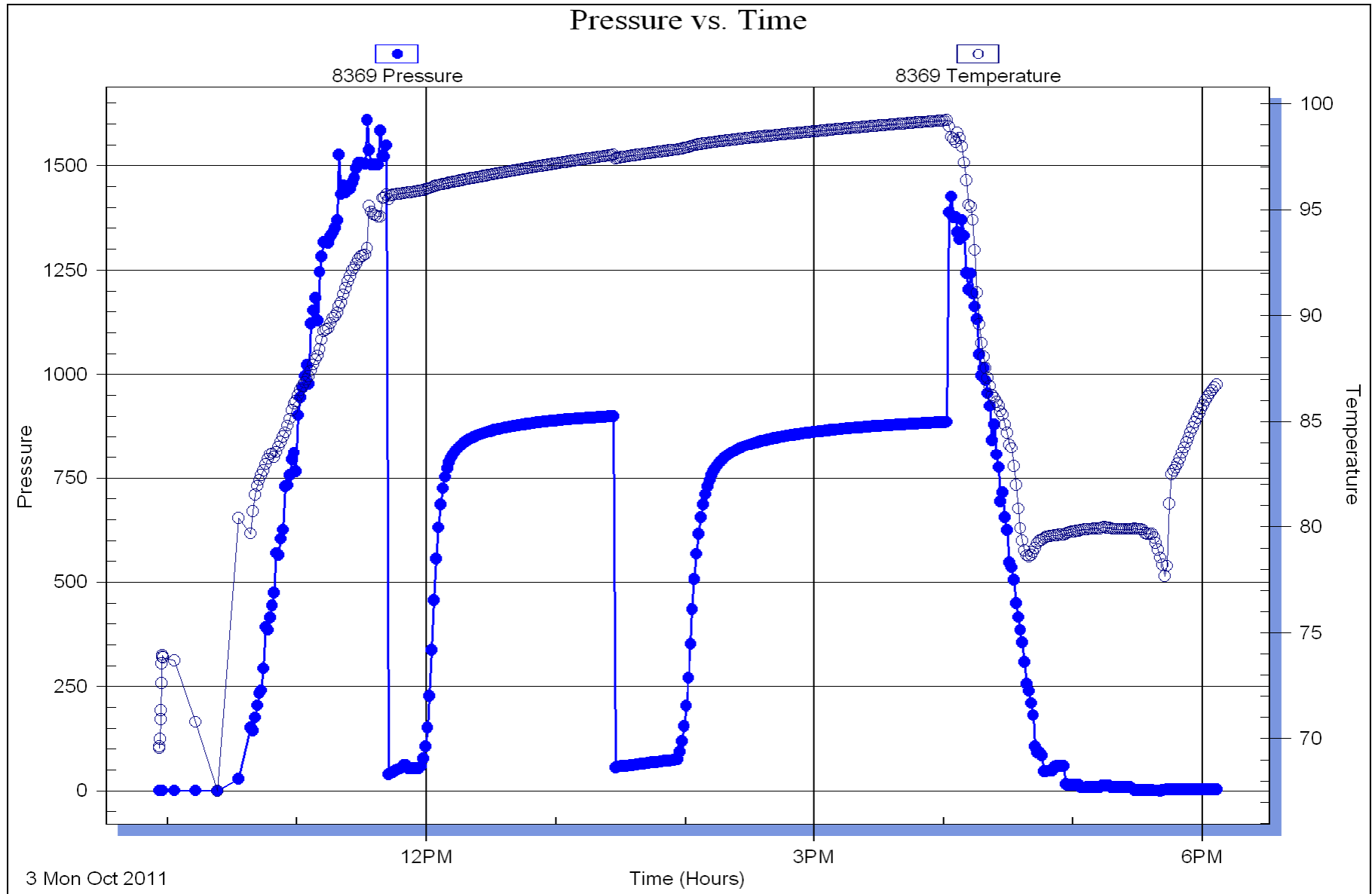
Laboratory Name:

Laboratory Location:

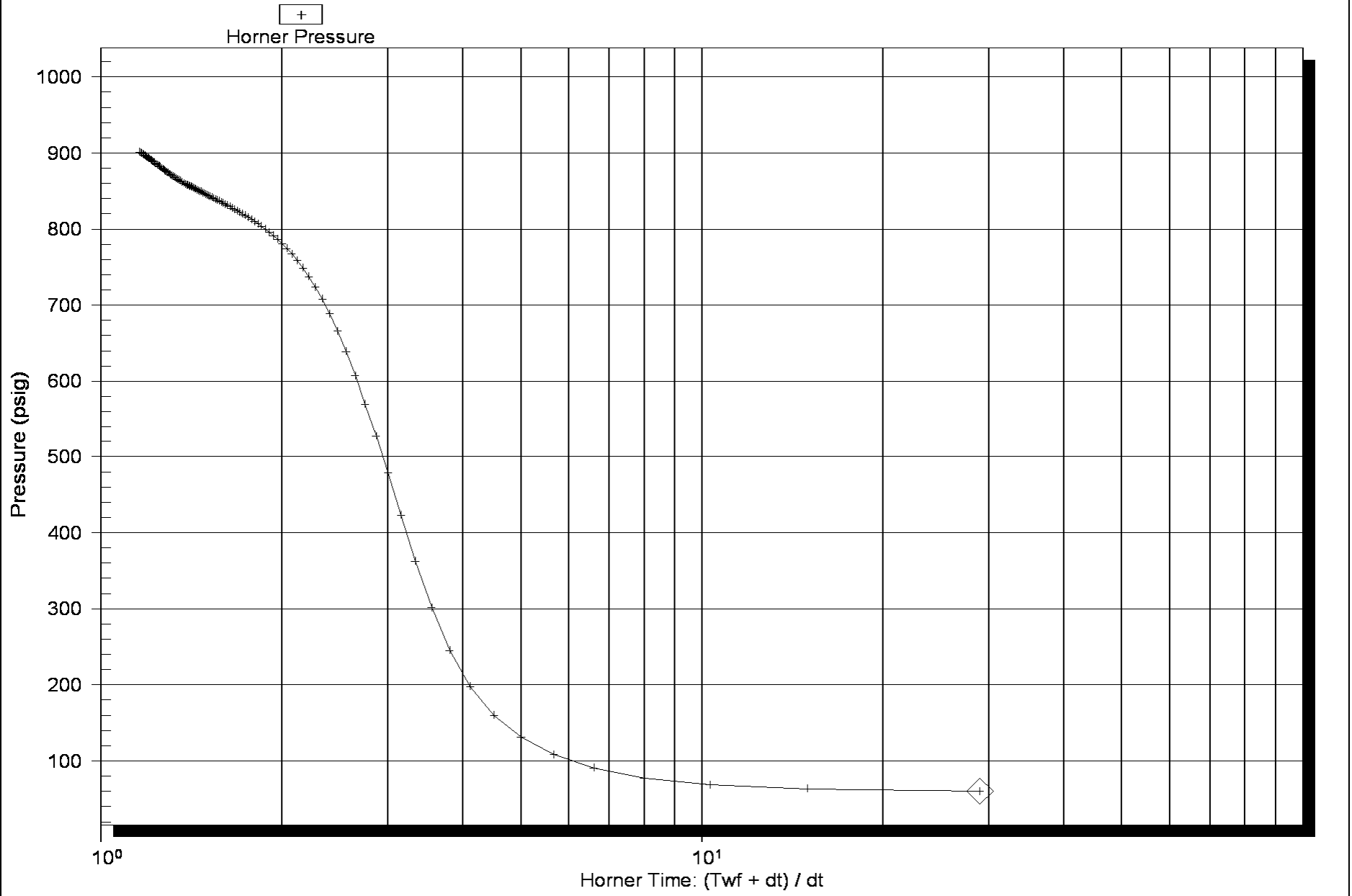
Recovery Comments: 64,000 NaCl. No temp or resistivity. Sample was tested by the Mud Man







Horner Plot



Horner Plot

