



## 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: 2011.10.04 @ 02:28:00

End Date: 2011.10.04 @ 09:08:00

Job Ticket #: 44652                      DST #: 2

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

Printed: 2011.10.04 @ 09:17:06

Sam Gary Jr. & Ass. INC,  
4-16s-16w Rush  
Bogleigh Wallah 2-4  
DST # 2  
KC "F-G"  
2011.10.04



**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: 44652 **DST#: 2**  
 Test Start: 2011.10.04 @ 02:28:00

## GENERAL INFORMATION:

Formation: **KC "F-G"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 04:04:00  
 Time Test Ended: 09:08:00  
 Interval: **3202.00 ft (KB) To 3252.00 ft (KB) (TVD)**  
 Total Depth: 3252.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Cody Bloedorn  
 Unit No: 47  
 Reference Elevations: 1870.00 ft (KB)  
 1862.00 ft (CF)  
 KB to GR/CF: 8.00 ft

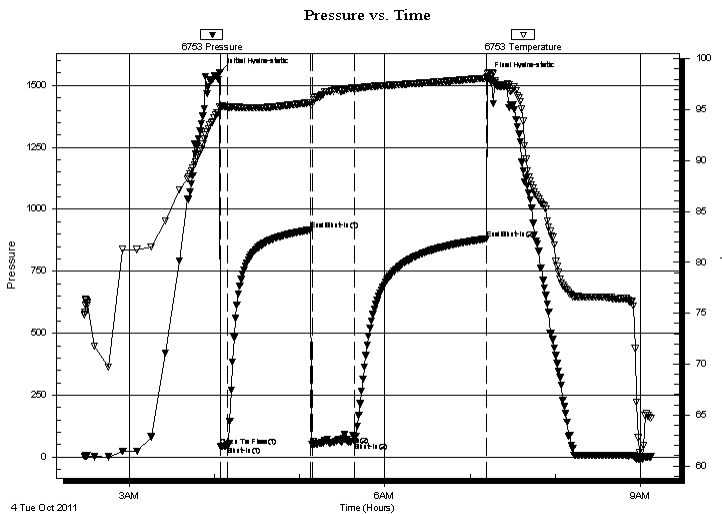
## Serial #: 6753

Inside

Press @ Run Depth: 61.77 psig @ 3238.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.10.04 End Date: 2011.10.04 Last Calib.: 2011.10.04  
 Start Time: 02:28:05 End Time: 09:07:59 Time On Btm: 2011.10.04 @ 04:03:30  
 Time Off Btm: 2011.10.04 @ 07:12:30

TEST COMMENT: 05 - IF- 1/4" Blow  
 60 - IS- No blow back  
 30 - FF- Weak surface blow  
 90 - FS- No blow back.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1552.46	95.32	Initial Hydro-static
1	43.21	95.07	Open To Flow (1)
6	45.05	95.27	Shut-In(1)
64	917.70	95.70	End Shut-In(1)
65	49.35	95.50	Open To Flow (2)
95	61.77	97.08	Shut-In(2)
188	881.18	98.10	End Shut-In(2)
189	1536.22	98.52	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	Mud w ith Oil scum, 100%M	0.28

## Gas Rates

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

\* Recovery from multiple tests







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

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: 44652      **DST#: 2**  
Test Start: 2011.10.04 @ 02:28:00

**Tool Information**

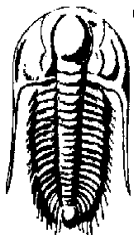
Drill Pipe:	Length: 3157.00 ft	Diameter: 3.80 inches	Volume: 44.28 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 49000.00 lb
			<u>Total Volume: 44.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3202.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	85.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			3168.00	
Recorder	0.00	8319	Inside	3168.00	
Blank Spacing	5.00			3173.00	
Shut In Tool	5.00			3178.00	
Sampler	2.00			3180.00	
Hydraulic tool	5.00			3185.00	
Jars	5.00			3190.00	
Safety Joint	2.00			3192.00	
Packer	5.00			3197.00	35.00      Bottom Of Top Packer
Packer	5.00			3202.00	
Stubb	1.00			3203.00	
Perforations	2.00			3205.00	
Change Over Sub	1.00			3206.00	
Perforations	31.00			3237.00	
Change Over Sub	1.00			3238.00	
Recorder	0.00	6753	Inside	3238.00	
Recorder	0.00	8369	Outside	3238.00	
Perforations	11.00			3249.00	
Bullnose	3.00			3252.00	50.00      Bottom Packers & Anchor

**Total Tool Length: 85.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Sam Gary Jr. & Ass. INC,

**4-16s-16w Rush**

1515 Wynkoop St. Suite 700  
Denver CO, 80202

**Bogleigh Wallah 2-4**

Job Ticket: 44652

**DST#: 2**

ATTN: Clayton Camozzi

Test Start: 2011.10.04 @ 02:28:00

## 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: 9.18 in<sup>3</sup>

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 bbl
40.00	Mud w ith Oil scum, 100%M	0.279

Total Length: 40.00 ft      Total Volume: 0.279 bbl

Num Fluid Samples: 0

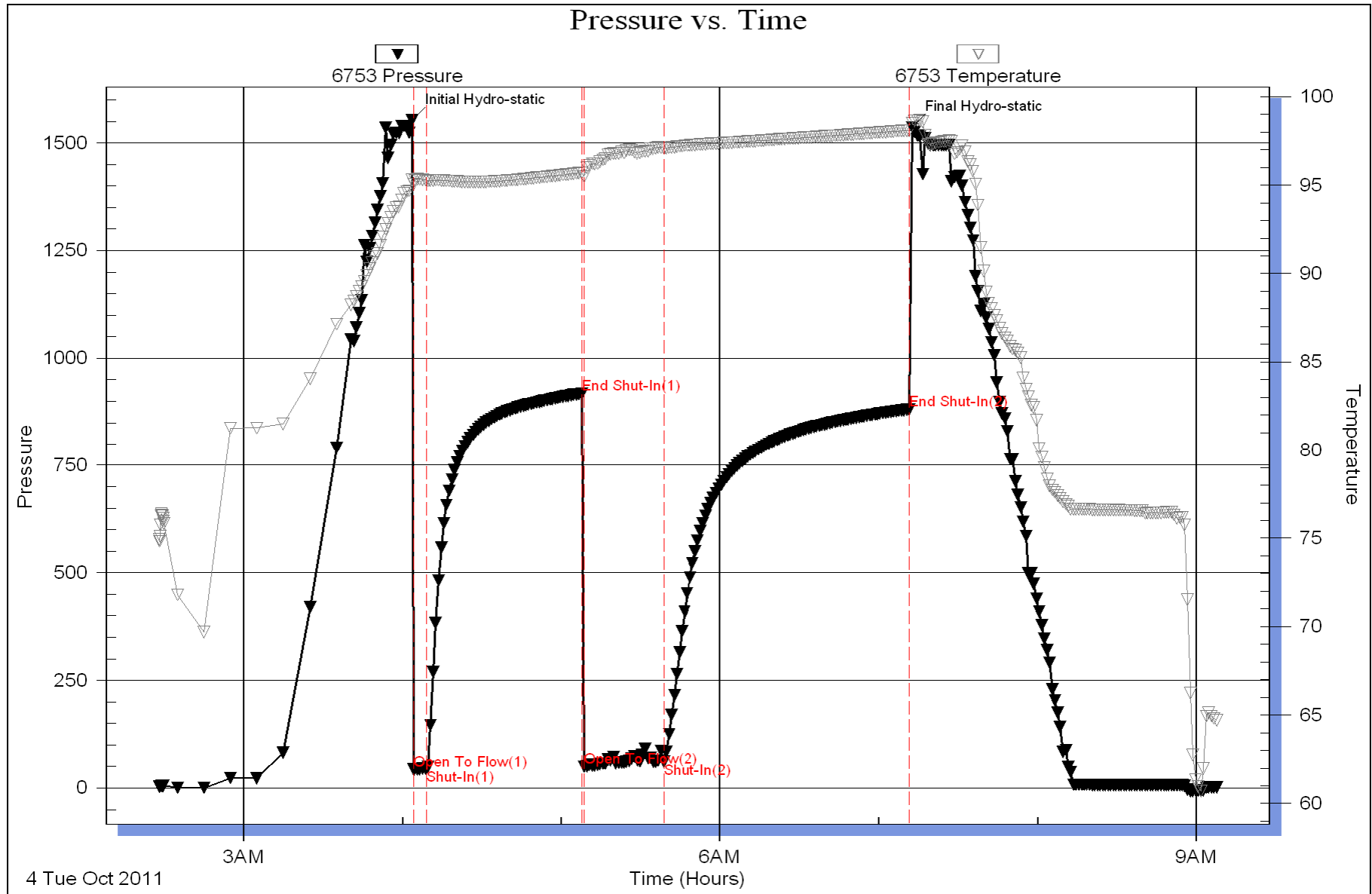
Num Gas Bombs: 0

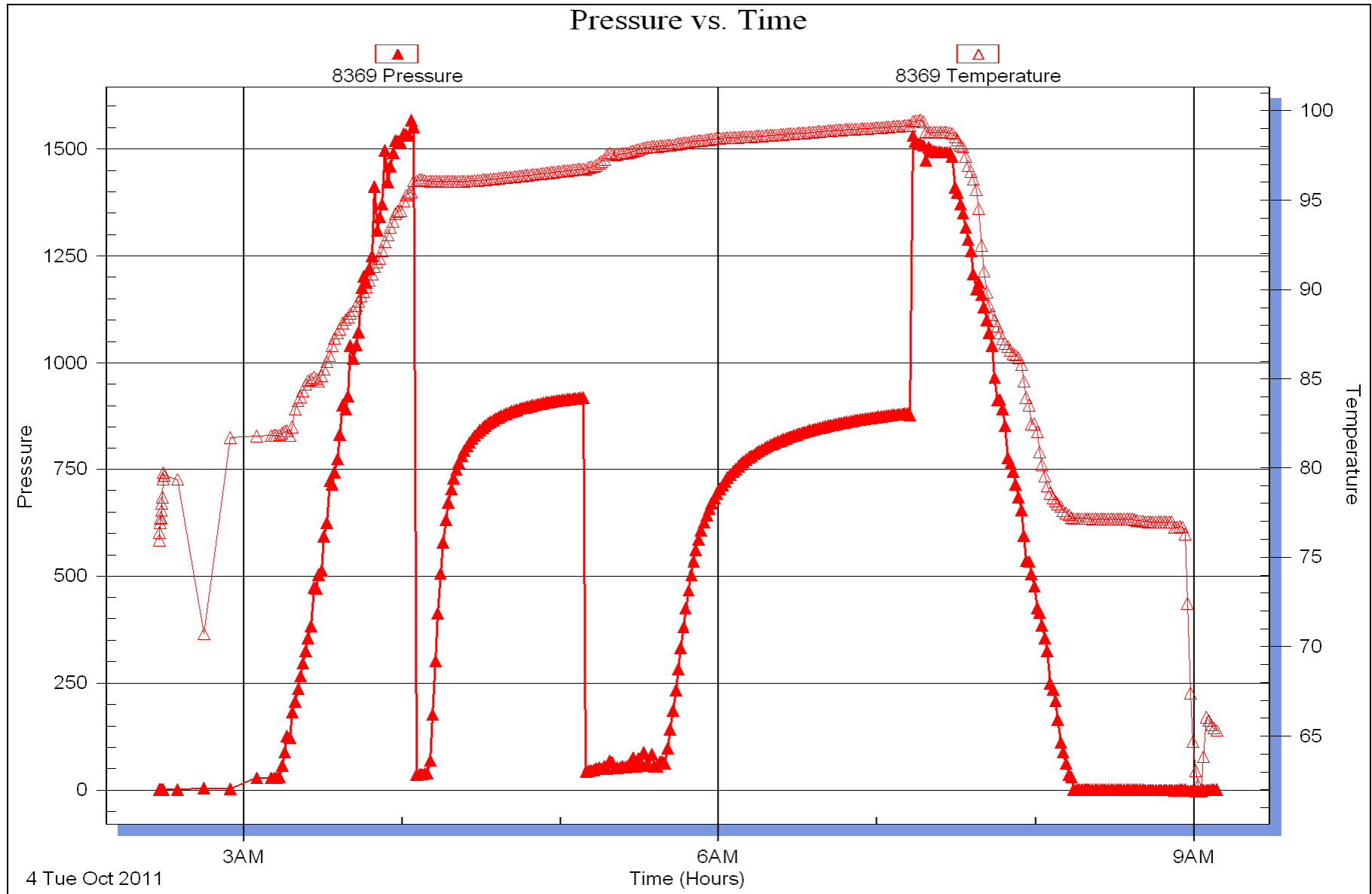
Serial #:

Laboratory Name:

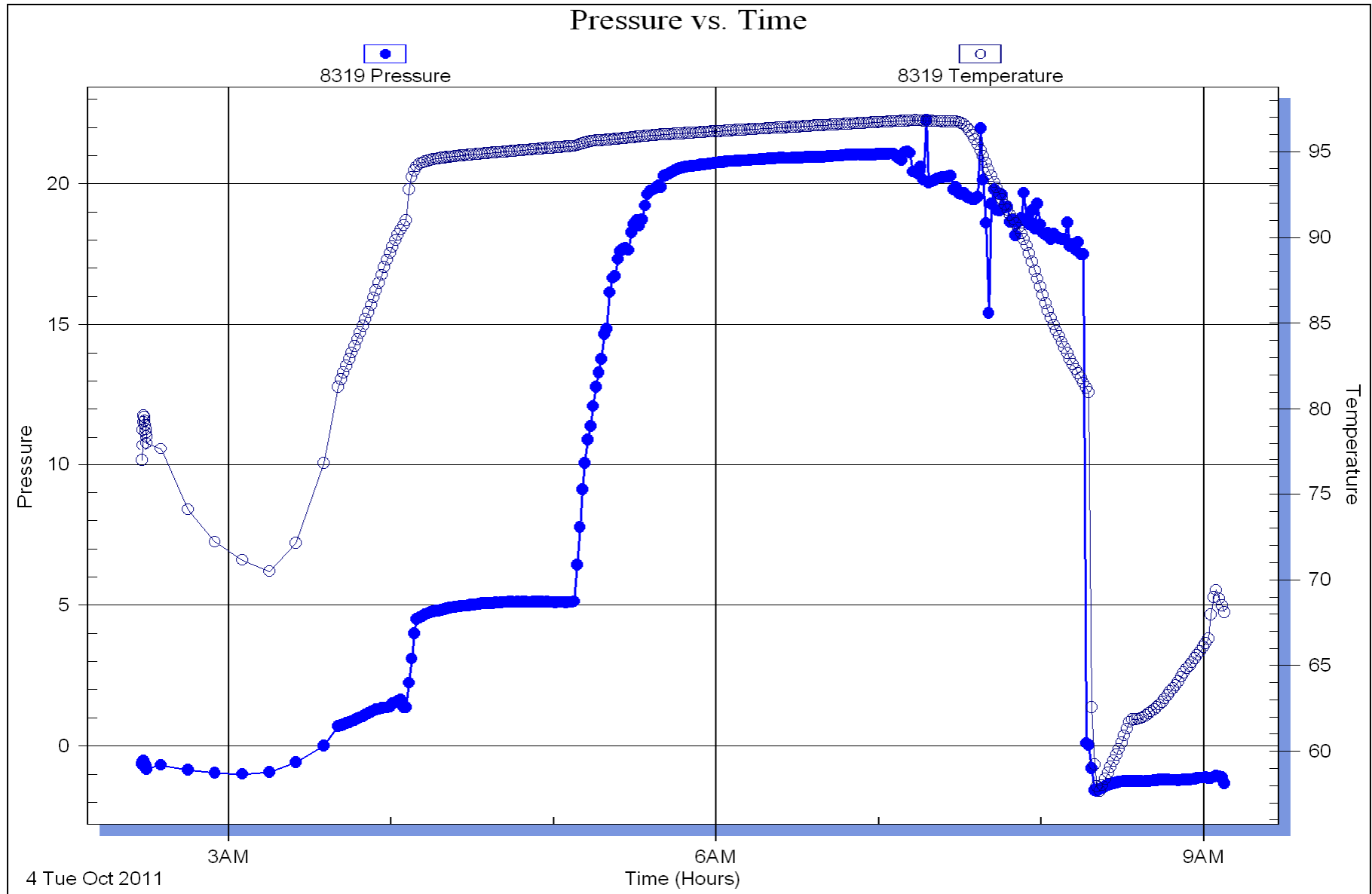
Laboratory Location:

Recovery Comments: Sampler: Could not get enough Oil out of it to take a reading.

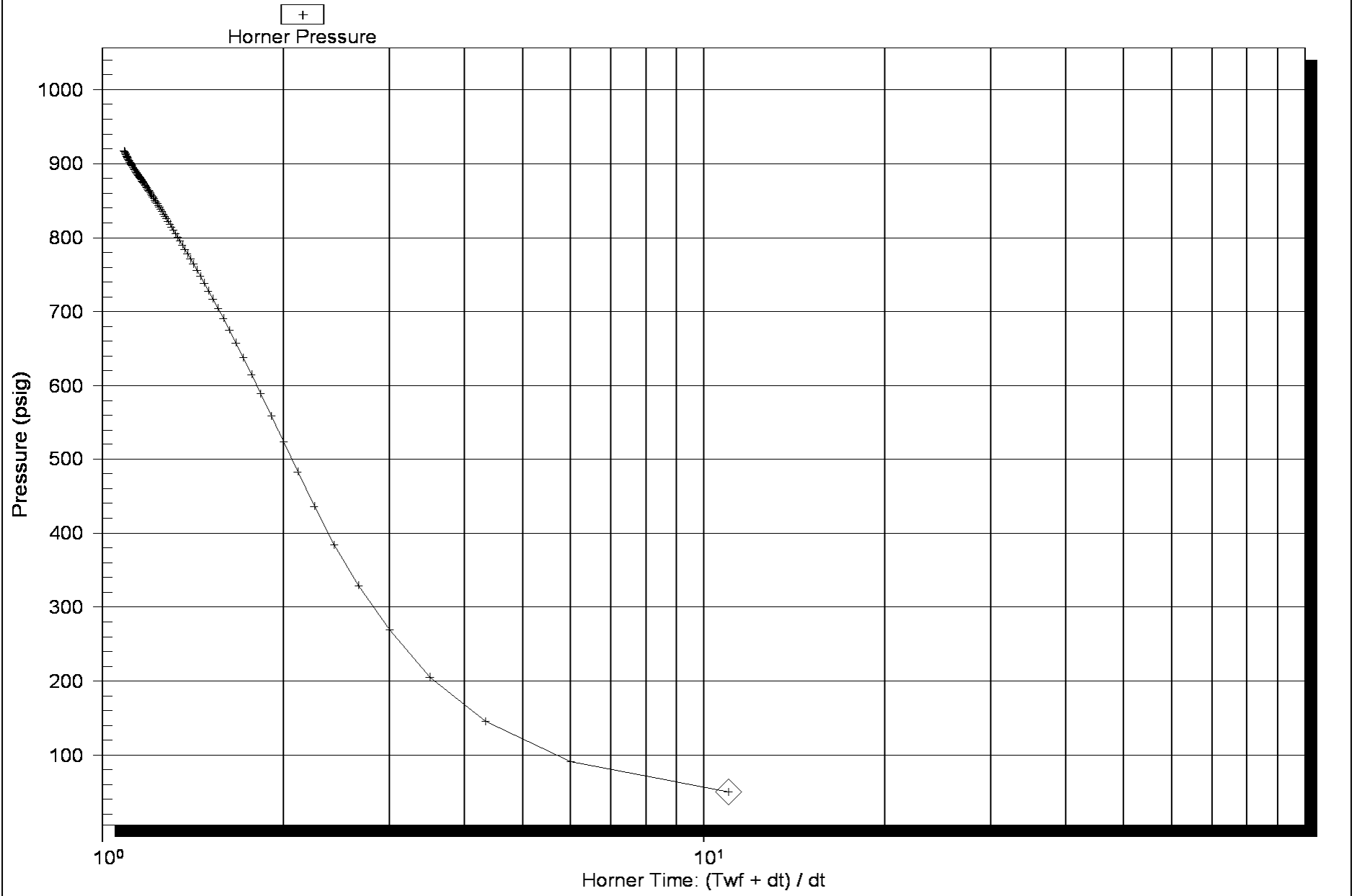








### Horner Plot



### Horner Plot

