



## DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr. Associates ,Inc.**

1515 Wynkoop Ste 700  
Denver Co 80202

ATTN: Clayton Camozzi

**11-12-17,Ellis,Ks**

**Rohleder Trust #1-11**

Start Date: 2011.08.24 @ 20:15:38

End Date: 2011.08.25 @ 02:58:08

Job Ticket #: 44297                      DST #: 5

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
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**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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Test Start: 2011.08.24 @ 20:15:38

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:50:38

Time Test Ended: 02:58:08

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: 47

**Interval: 3616.00 ft (KB) To 3655.00 ft (KB) (TVD)**

Reference Elevations: 2154.00 ft (KB)

Total Depth: 3655.00 ft (KB) (TVD)

2146.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6753**

**Inside**

Press @ Run Depth: 27.36 psig @ 3617.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.24

End Date:

2011.08.25

Last Calib.:

2011.08.25

Start Time: 20:15:43

End Time:

02:58:07

Time On Btm:

2011.08.24 @ 22:50:08

Time Off Btm:

2011.08.25 @ 01:17:08

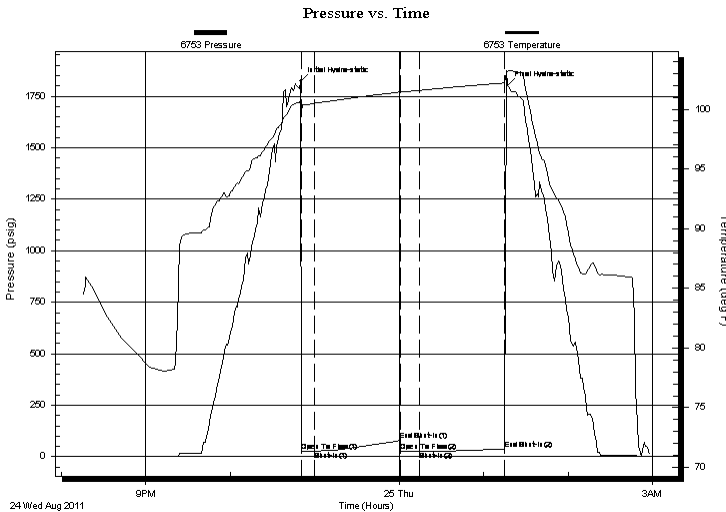
**TEST COMMENT:** 10min IF-w eak surface blow died in 4min

60min ISI-No blow

15min FF-No blow

60min FSI-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1822.74	100.70	Initial Hydro-static
1	25.11	99.68	Open To Flow (1)
10	28.66	100.49	Shut-In(1)
70	77.91	101.44	End Shut-In(1)
71	26.89	101.42	Open To Flow (2)
85	27.36	101.58	Shut-In(2)
145	38.19	102.22	End Shut-In(2)
147	1803.42	103.18	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud	0.01

## Gas Rates

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







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**TOOL DIAGRAM**

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## Tool Information

Drill Pipe:	Length: 3571.00 ft	Diameter: 3.80 inches	Volume: 50.09 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3616.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	74.00 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			3582.00	
Drill Pipe	5.00			3587.00	
Recorder	0.00	8369	Fluid	3587.00	
Shut In Tool	5.00			3592.00	
Sampler	2.00			3594.00	
Hydraulic tool	5.00			3599.00	
Jars	5.00			3604.00	
Safety Joint	2.00			3606.00	
Packer	5.00			3611.00	35.00 Bottom Of Top Packer
Packer	5.00			3616.00	
Packer - Shale	0.00			3616.00	
Stubb	1.00			3617.00	
Recorder	0.00	6753	Inside	3617.00	
Recorder	0.00	8319	Outside	3617.00	
Perforations	35.00			3652.00	
Bullnose	3.00			3655.00	39.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>74.00</b>				



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**FLUID SUMMARY**

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## 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: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud	0.010

Total Length: 2.00 ft      Total Volume: 0.010 bbl

Num Fluid Samples: 0

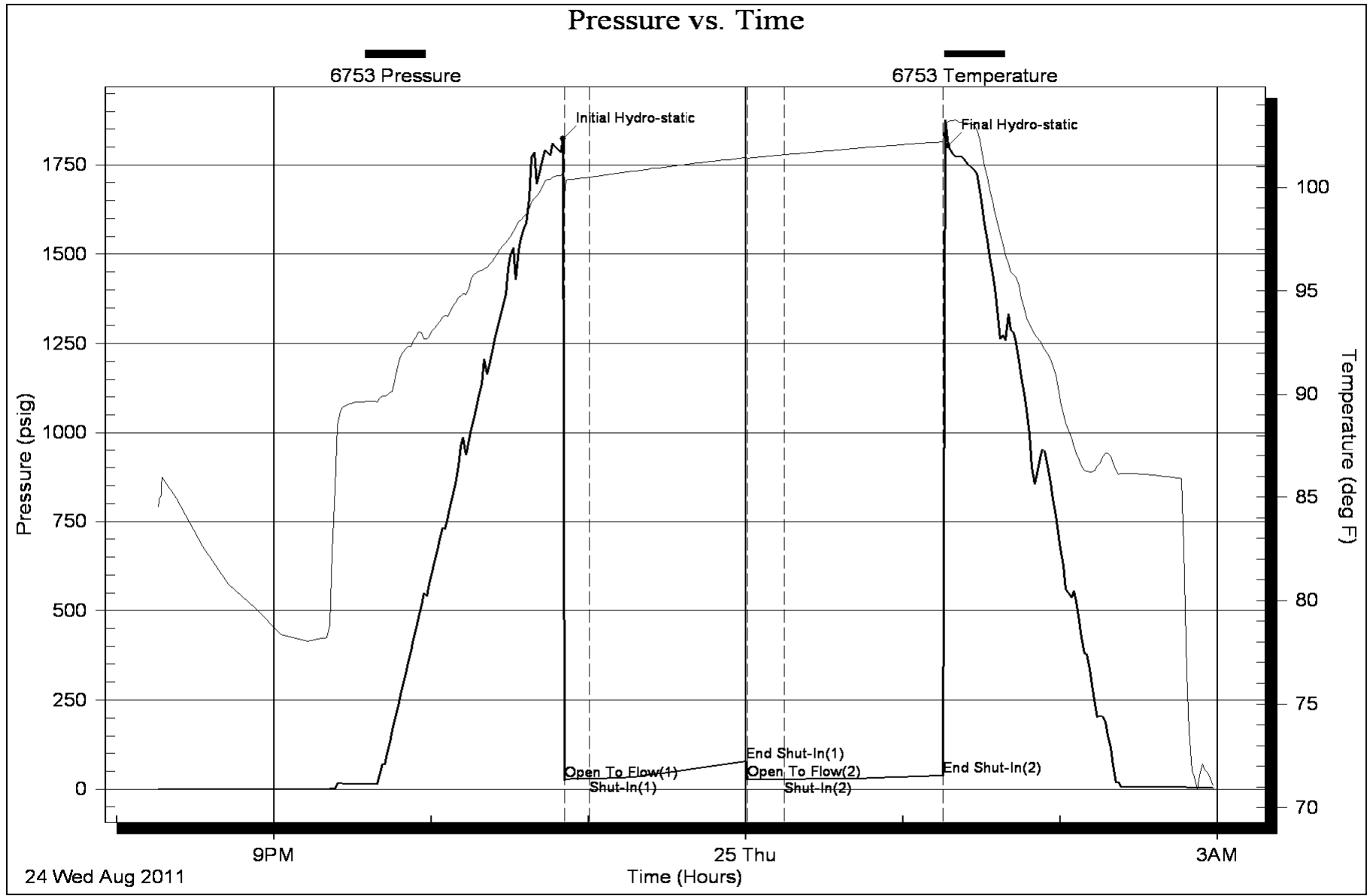
Num Gas Bombs: 0

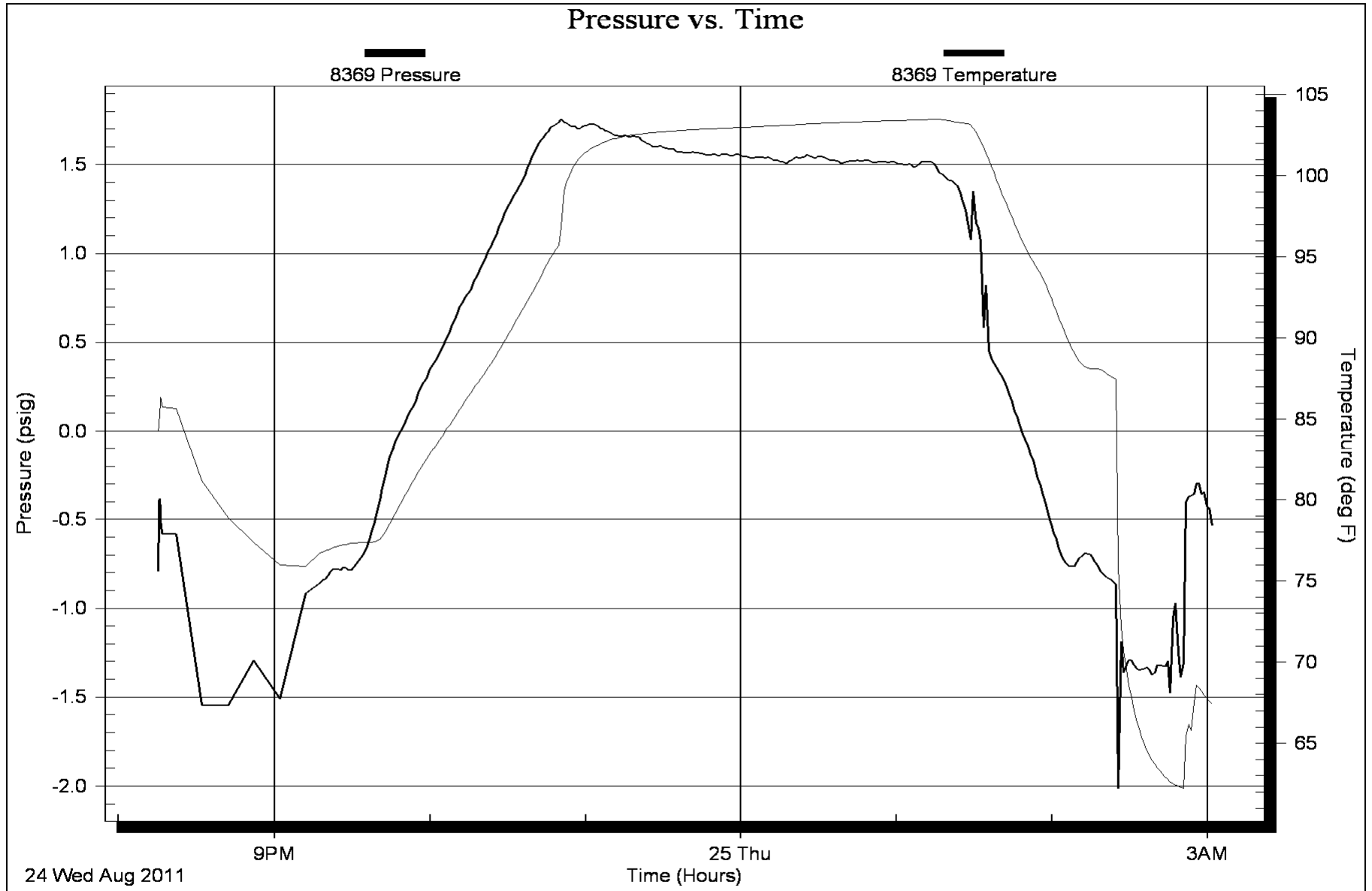
Serial #:

Laboratory Name:

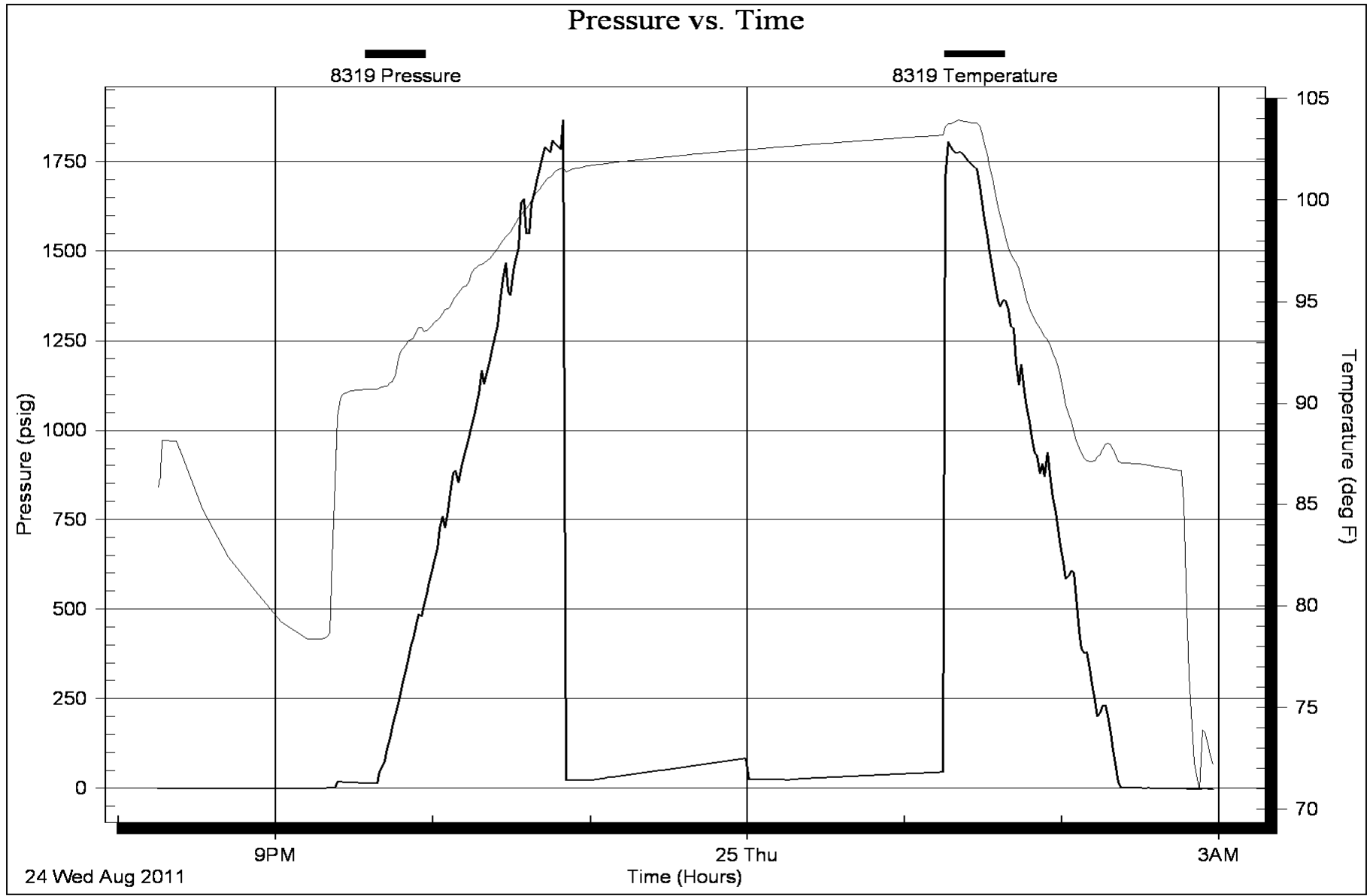
Laboratory Location:

Recovery Comments: Sampler Data 3000ml Mud 25psi

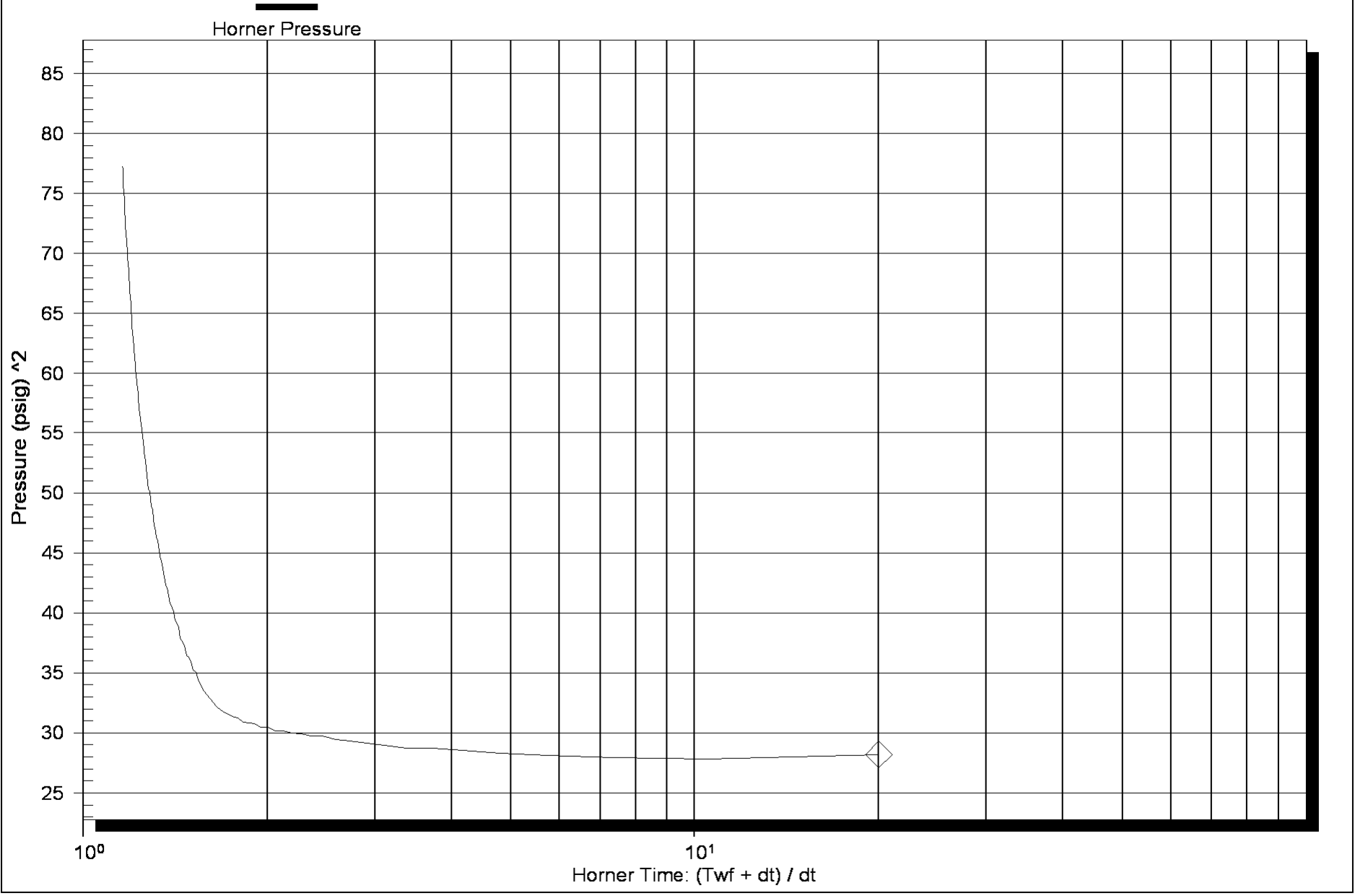




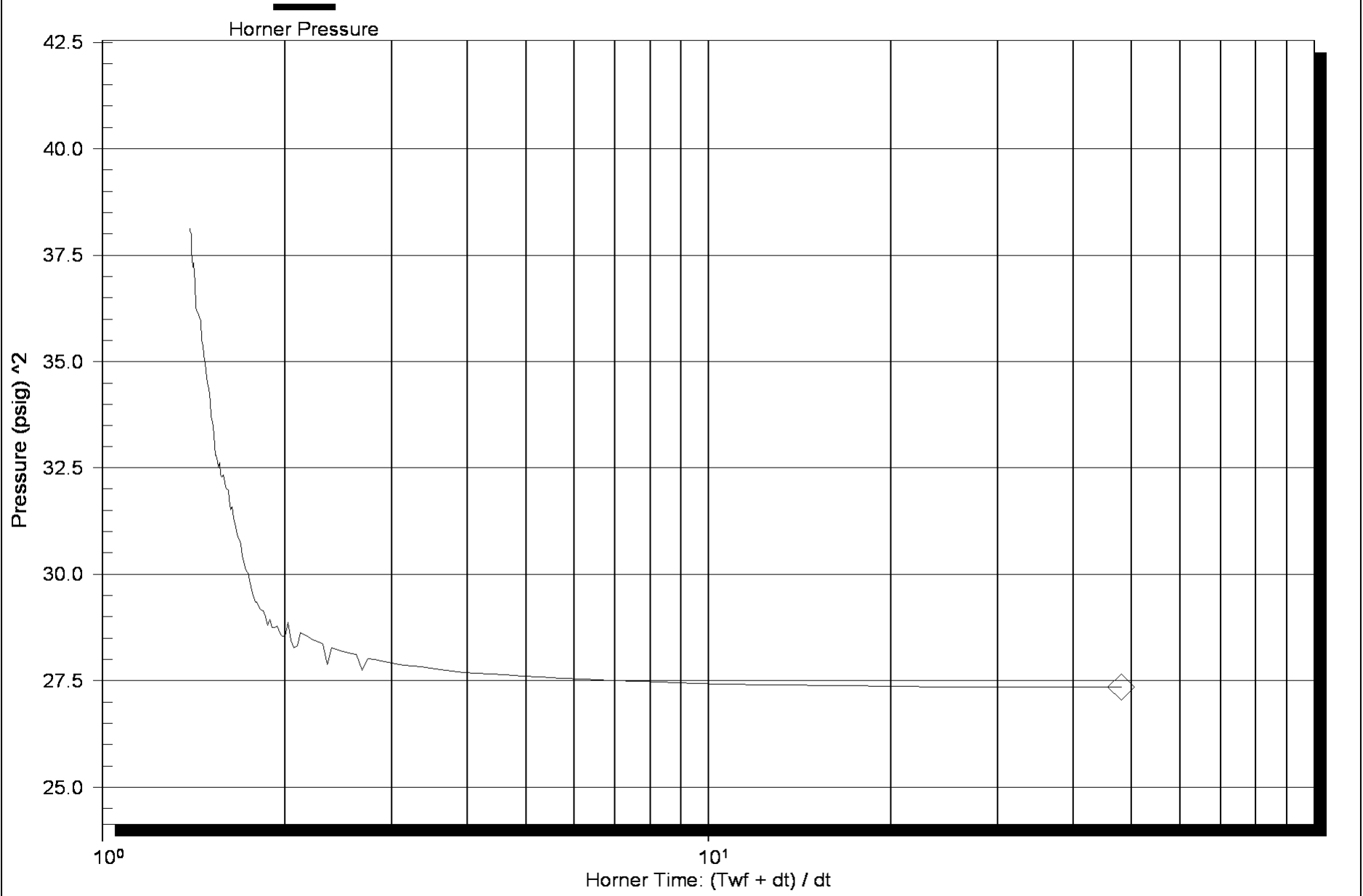




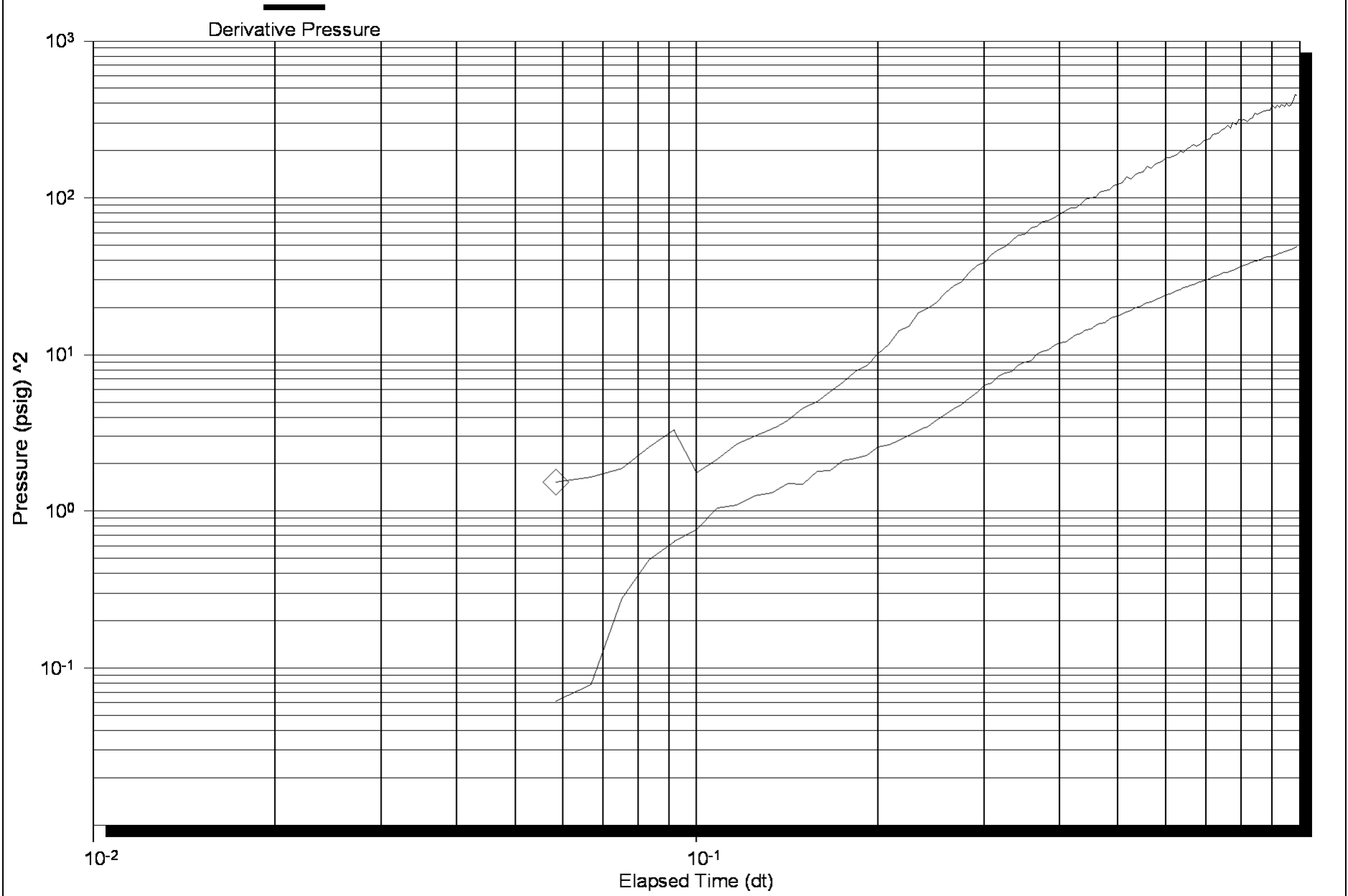
# Horner Plot



# Horner Plot



# Log-Log and Pseudo-Derivative



# Log-Log and Pseudo-Derivative

