



## 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: 2011.08.21 @ 20:30:34

End Date: 2011.08.22 @ 03:09:34

Job Ticket #: 44294                      DST #: 2

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
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Test Start: 2011.08.21 @ 20:30:34

## GENERAL INFORMATION:

Formation: **Plattsmouth**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:21:04

Time Test Ended: 03:09:34

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: 47

**Interval: 3296.00 ft (KB) To 3328.00 ft (KB) (TVD)**

Reference Elevations: 2154.00 ft (KB)

Total Depth: 3328.00 ft (KB) (TVD)

2146.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

**Serial #: 6753 Inside**

Press @ Run Depth: 47.27 psig @ 3297.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.21

End Date:

2011.08.22

Last Calib.:

2011.08.22

Start Time: 20:30:39

End Time:

03:09:33

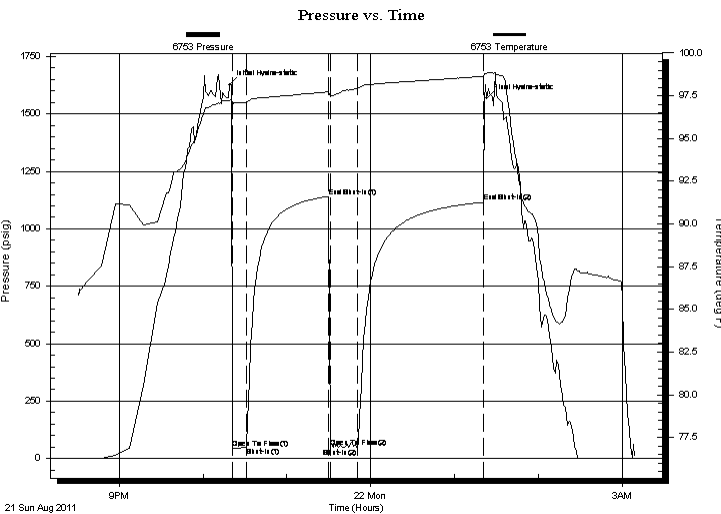
Time On Btm:

2011.08.21 @ 22:19:04

Time Off Btm:

2011.08.22 @ 01:23:04

**TEST COMMENT:** 10min IF-Very weak surface blow  
60min ISI-No blow  
20min FF-No blow  
90min FSI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1625.63	97.24	Initial Hydro-static
2	45.69	96.85	Open To Flow (1)
12	48.72	97.12	Shut-In(1)
71	1141.08	97.73	End Shut-In(1)
72	48.20	97.43	Open To Flow (2)
92	47.27	97.91	Shut-In(2)
182	1115.36	98.63	End Shut-In(2)
184	1566.89	98.80	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
35.00	mud	0.22

## Gas Rates

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







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**TOOL DIAGRAM**

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Test Start: 2011.08.21 @ 20:30:34

## Tool Information

Drill Pipe:	Length: 3260.00 ft	Diameter: 3.80 inches	Volume: 45.73 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:	70000.00 lb
			<u>Total Volume:</u>	Tool Chased	7.00 ft
			- bbl	String Weight: Initial	44000.00 lb
Drill Pipe Above KB:	27.00 ft			Final	44000.00 lb
Depth to Top Packer:	3296.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	65.00 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			3264.00	
Drill Pipe	5.00			3269.00	
Recorder	0.00	8369	Fluid	3269.00	
Shut In Tool	5.00			3274.00	
Hydraulic tool	5.00			3279.00	
Jars	5.00			3284.00	
Safety Joint	2.00			3286.00	
Packer	5.00			3291.00	33.00 Bottom Of Top Packer
Packer	5.00			3296.00	
Stubb	1.00			3297.00	
Recorder	0.00	6753	Inside	3297.00	
Recorder	0.00	8319	Outside	3297.00	
Perforations	28.00			3325.00	
Bullnose	3.00			3328.00	32.00 Bottom Packers & Anchor

**Total Tool Length: 65.00**



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**FLUID SUMMARY**

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Test Start: 2011.08.21 @ 20:30:34

## 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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
35.00	mud	0.218

Total Length: 35.00 ft      Total Volume: 0.218 bbl

Num Fluid Samples: 0

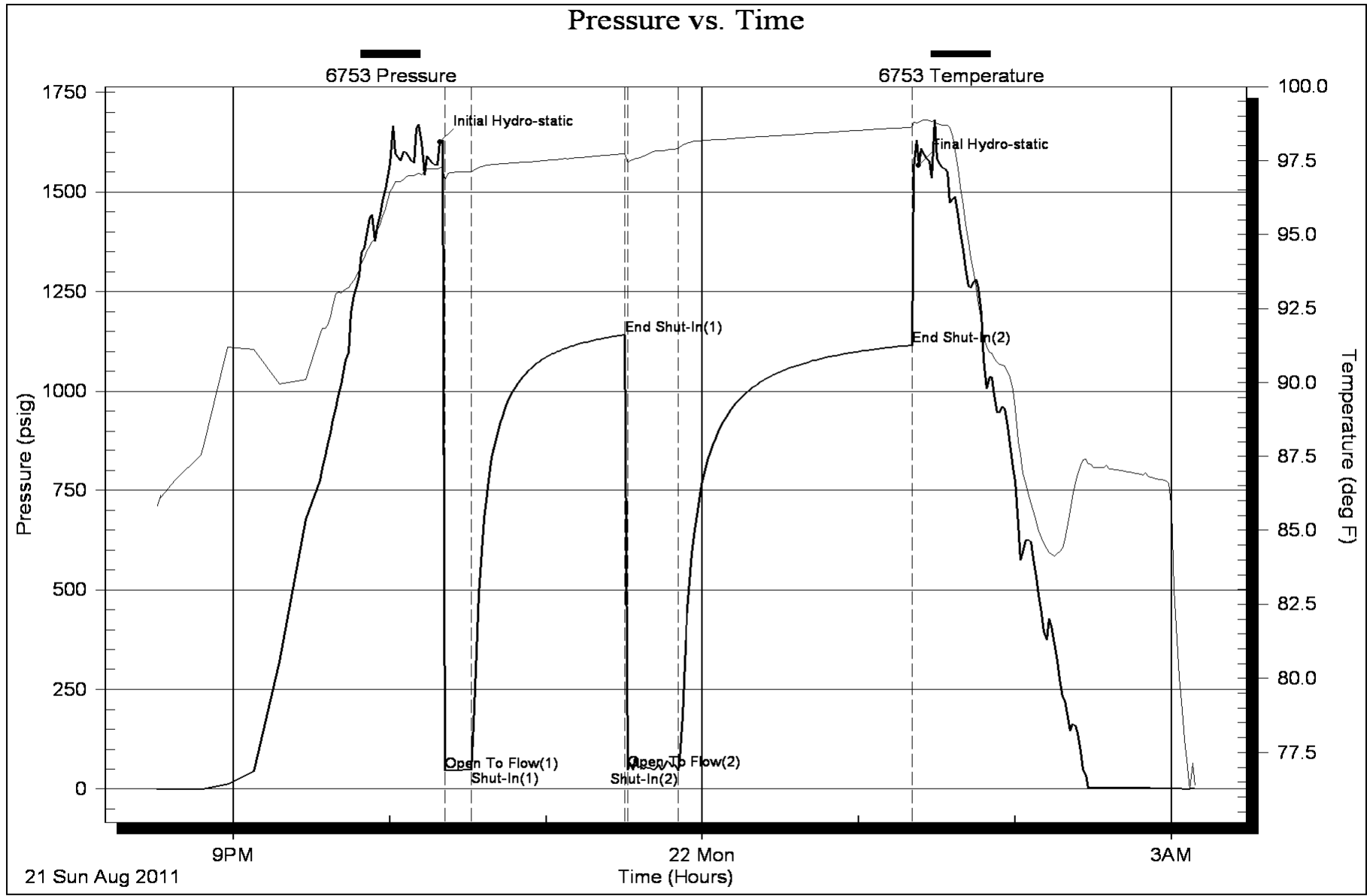
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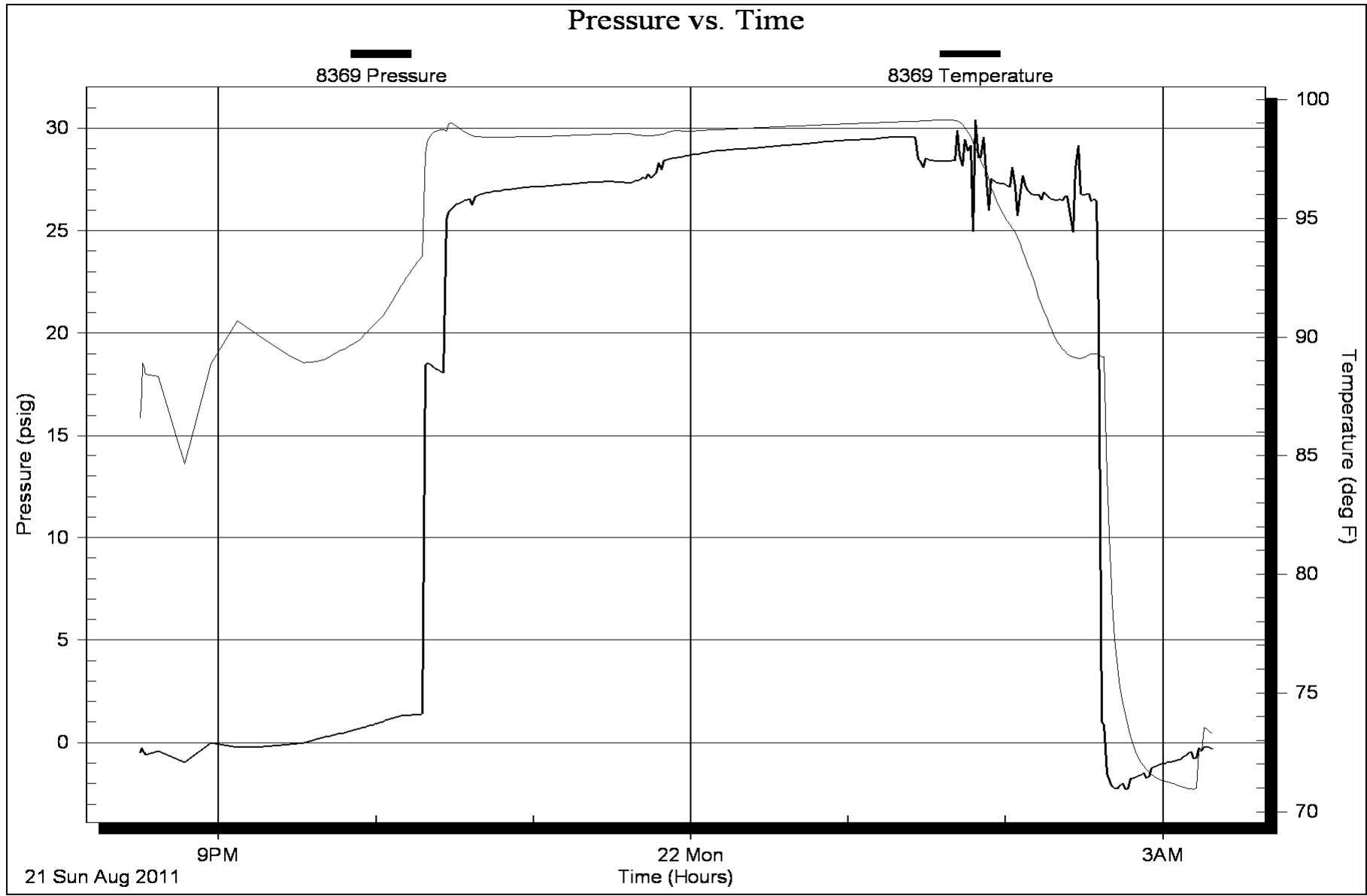
Serial #:

Laboratory Name:

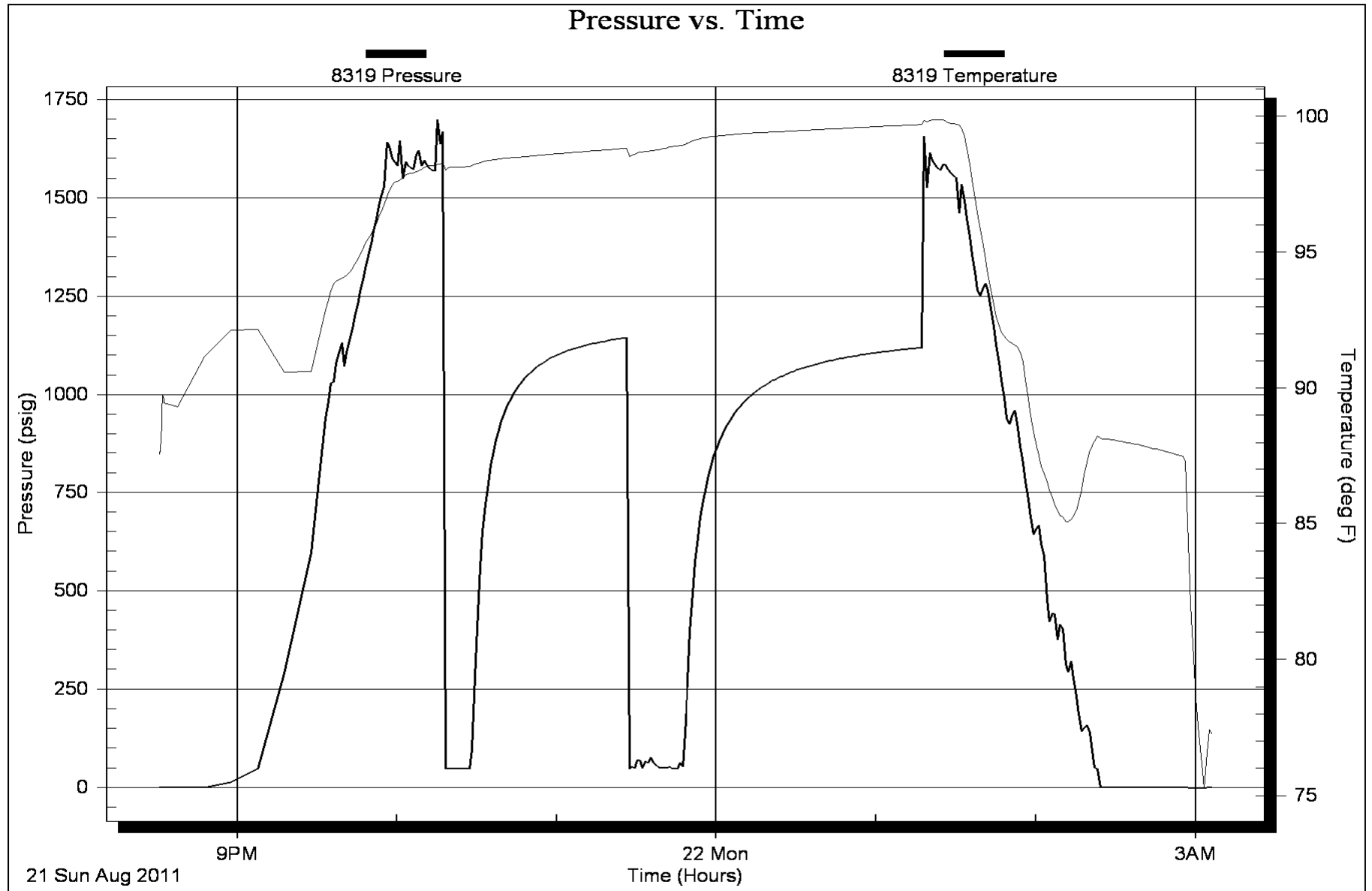
Laboratory Location:

Recovery Comments: Sampler Data 3000ml mud 260PSI

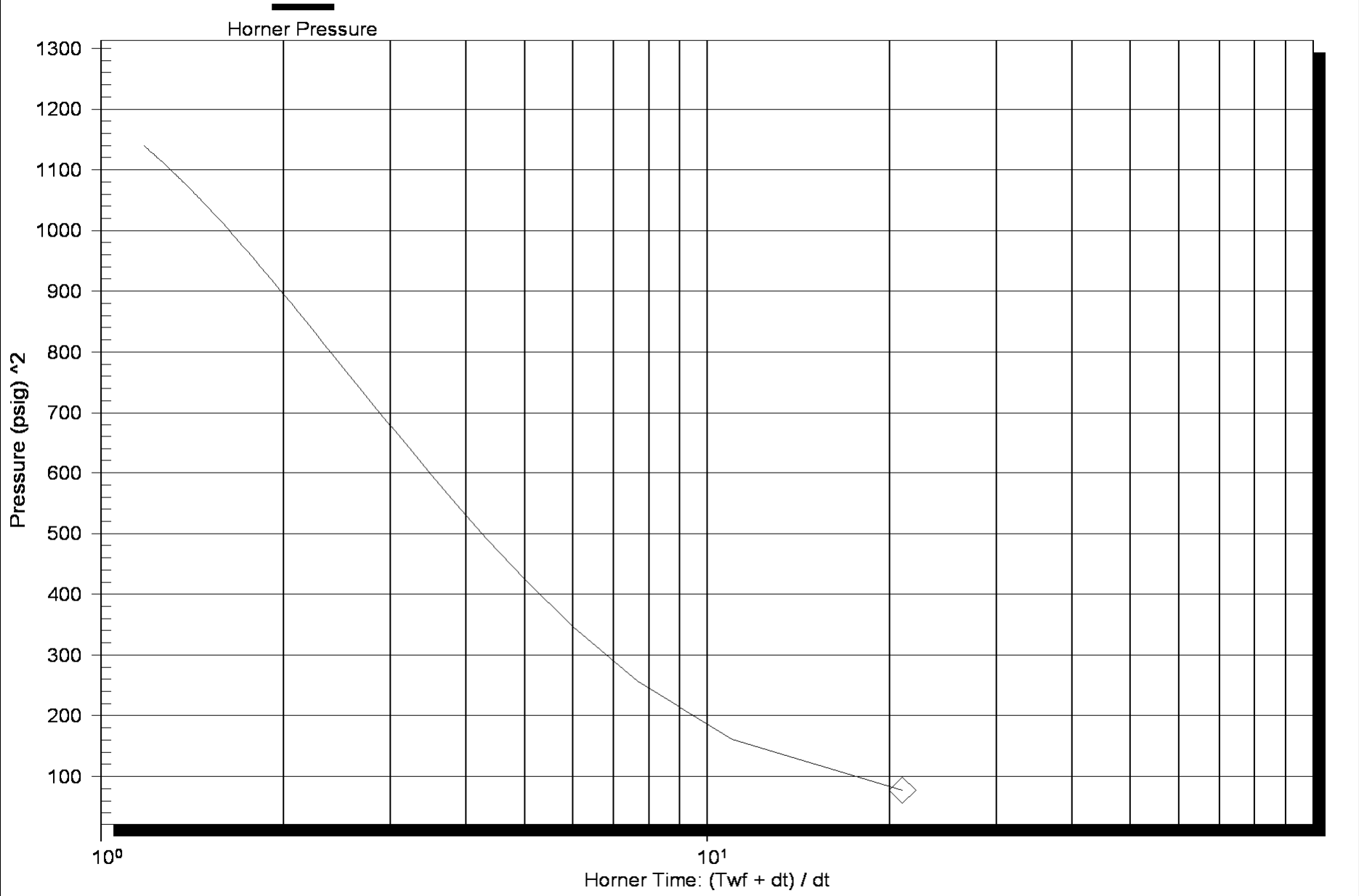




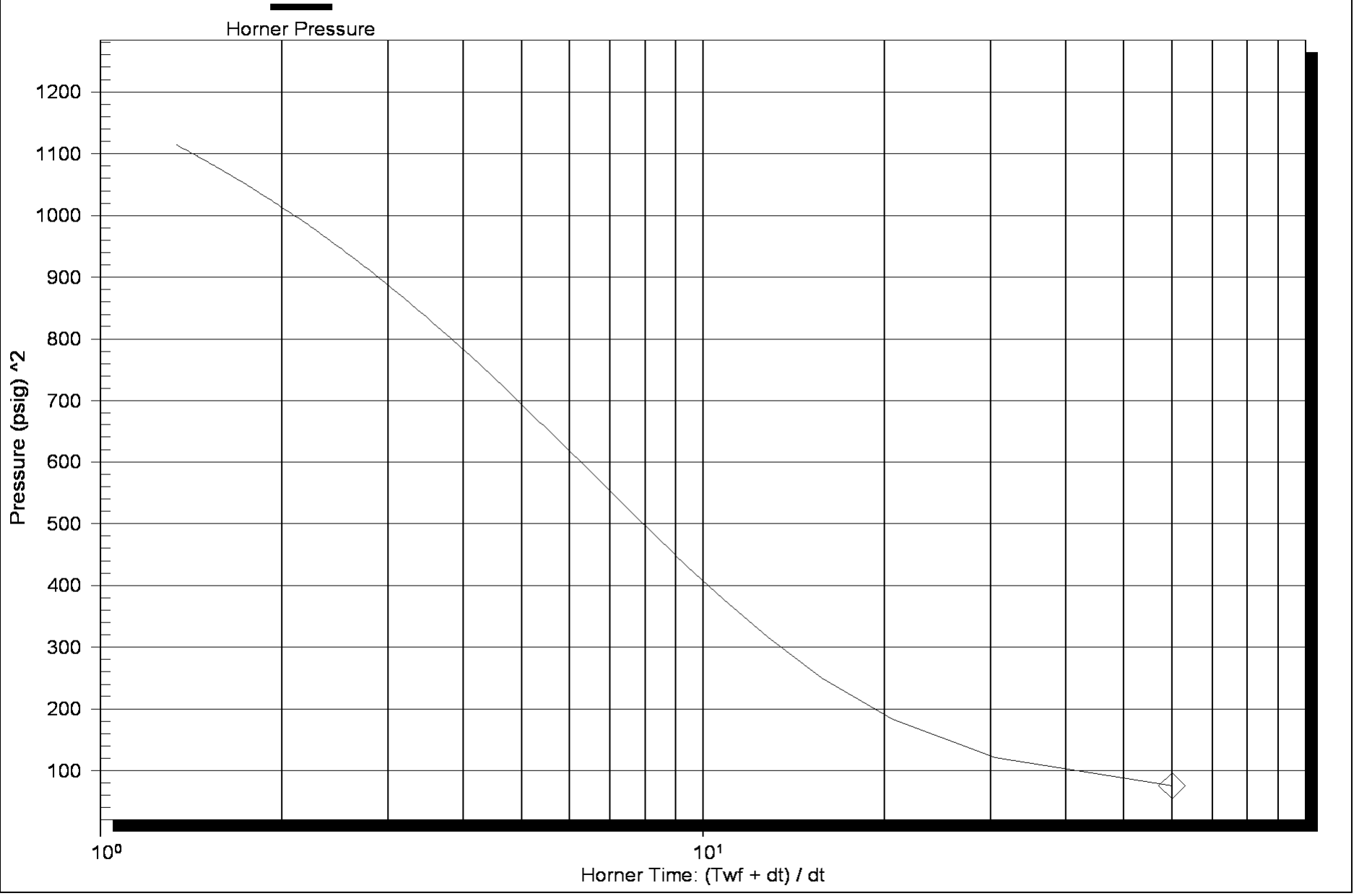




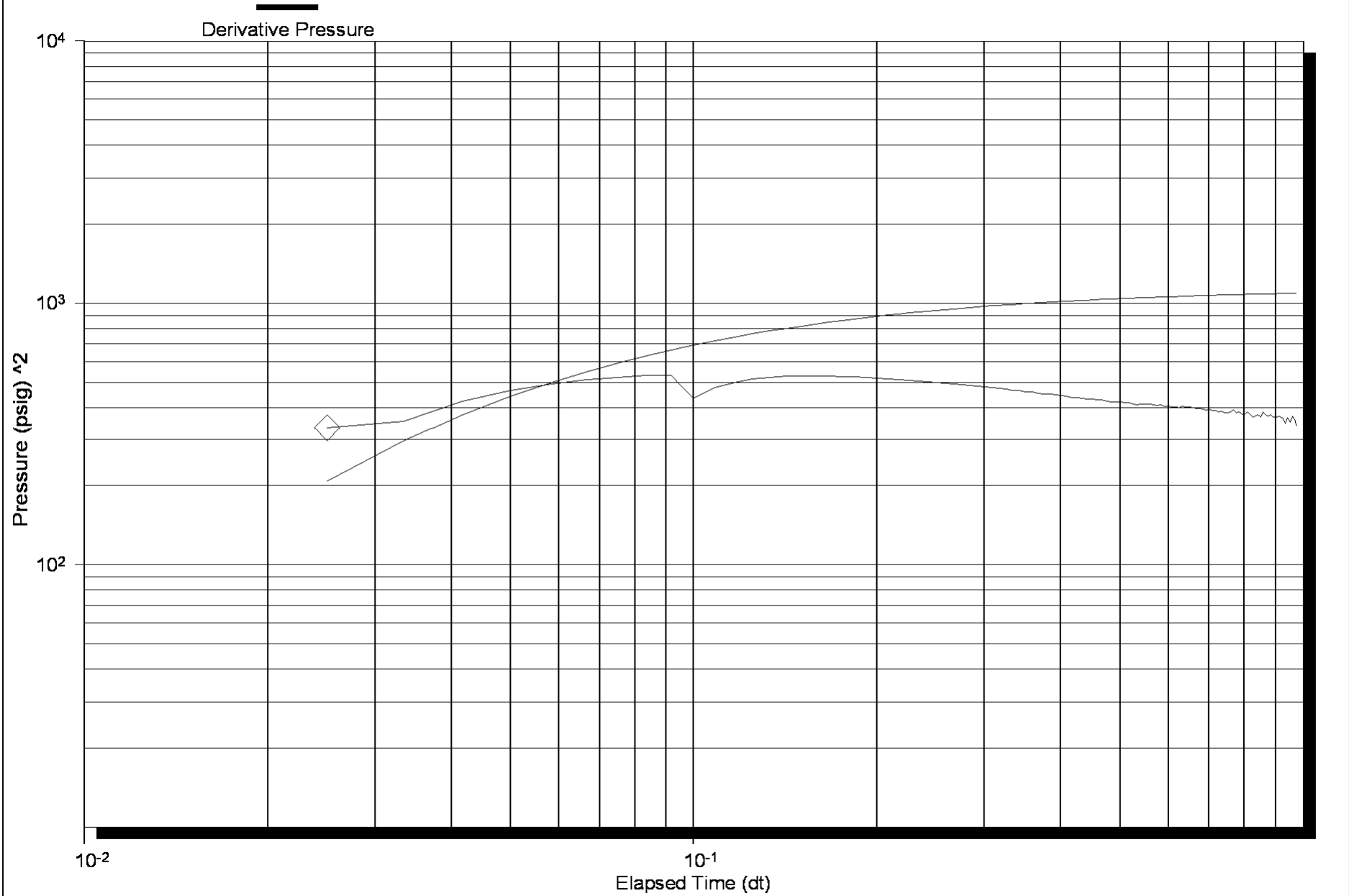
### Horner Plot



### Horner Plot



### Log-Log and Pseudo-Derivative



### Log-Log and Pseudo-Derivative

