



## DRILL STEM TEST REPORT

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

1515 Wynkoop  
Ste 700  
Denver Co 80202

ATTN: Clayton Camozzi

**16-17s-12w Barton**

**Prosser #1-16**

Start Date: 2010.06.24 @ 20:27:06

End Date: 2010.06.25 @ 03:30:30

Job Ticket #: 38717                      DST #: 3

Trilobite Testing, Inc  
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TESTING, INC**

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Test Start: 2010.06.24 @ 20:27:06

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:44:01

Time Test Ended: 03:30:30

Test Type: Conventional Straddle

Tester: Ray Schwager

Unit No: 42

**Interval: 3342.00 ft (KB) To 3355.00 ft (KB) (TVD)**

Reference Elevations: 1974.00 ft (KB)

Total Depth: 3469.00 ft (KB) (TVD)

1964.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8365**

**Inside**

Press @ Run Depth: 47.92 psig @ 3343.01 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.06.24

End Date:

2010.06.25

Last Calib.:

2010.06.25

Start Time: 20:27:06

End Time:

03:30:30

Time On Btm:

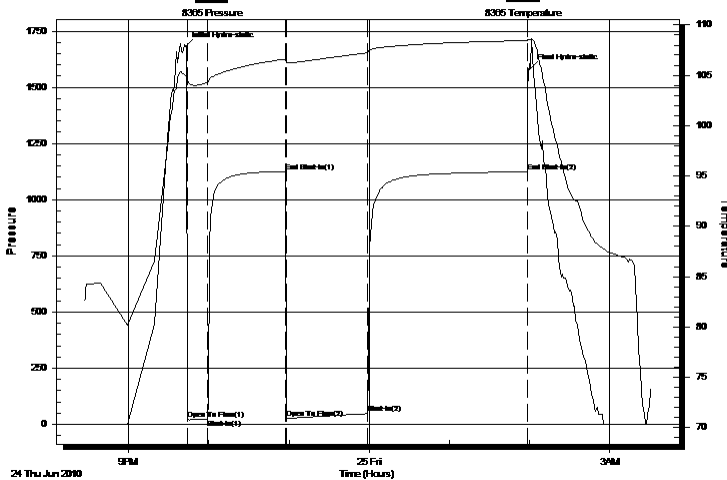
2010.06.24 @ 21:42:31

Time Off Btm:

2010.06.25 @ 02:00:30

**TEST COMMENT:** IFP-w k bl 1/2" to 1 1/4" bl  
FFP-no bl 1st 6min, then surface to 1/2" bl  
Times 15-60-60-120  
no bl on shut-in

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1681.99	105.00	Initial Hydro-static
2	20.58	104.44	Open To Flow (1)
17	24.60	104.29	Shut-In(1)
75	1125.16	106.61	End Shut-In(1)
76	26.50	106.26	Open To Flow (2)
136	47.92	107.22	Shut-In(2)
256	1123.27	108.45	End Shut-In(2)
258	1580.74	108.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	CO	0.77
30.00	OCM 15%O85%M	0.42

Gas Rates

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







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**TOOL DIAGRAM**

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## Tool Information

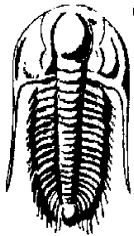
Drill Pipe:	Length: 3319.00 ft	Diameter: 3.80 inches	Volume: 46.56 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 46.56 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3342.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	3355.02 ft			
Interval between Packers:	13.02 ft			
Tool Length:	159.03 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3315.00	
Shut In Tool	5.00			3320.00	
Hydraulic tool	5.00			3325.00	
Jars	5.00			3330.00	
Safety Joint	2.00			3332.00	
Packer	5.00			3337.00	28.00 Bottom Of Top Packer
Packer	5.00			3342.00	
Stubb	1.00			3343.00	
Recorder	0.01	8365	Inside	3343.01	
Recorder	0.01	6625	Outside	3343.02	
Perforations	8.00			3351.02	
Blank Off Sub	1.00			3352.02	
Blank Spacing	3.00			3355.02	13.02 Tool Interval
Packer	5.00			3360.02	
Stubb	1.00			3361.02	
Recorder	0.01	8652	Below	3361.03	
Blank Spacing	93.00			3454.03	
Perforations	16.00			3470.03	
Bullnose	3.00			3473.03	118.01 Bottom Packers & Anchor

**Total Tool Length: 159.03**



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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: 56.00 sec/qt  
Water Loss: 11.07 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 6400.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 35 deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	CO	0.772
30.00	OCM 15%O85%M	0.421

Total Length: 85.00 ft      Total Volume: 1.193 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

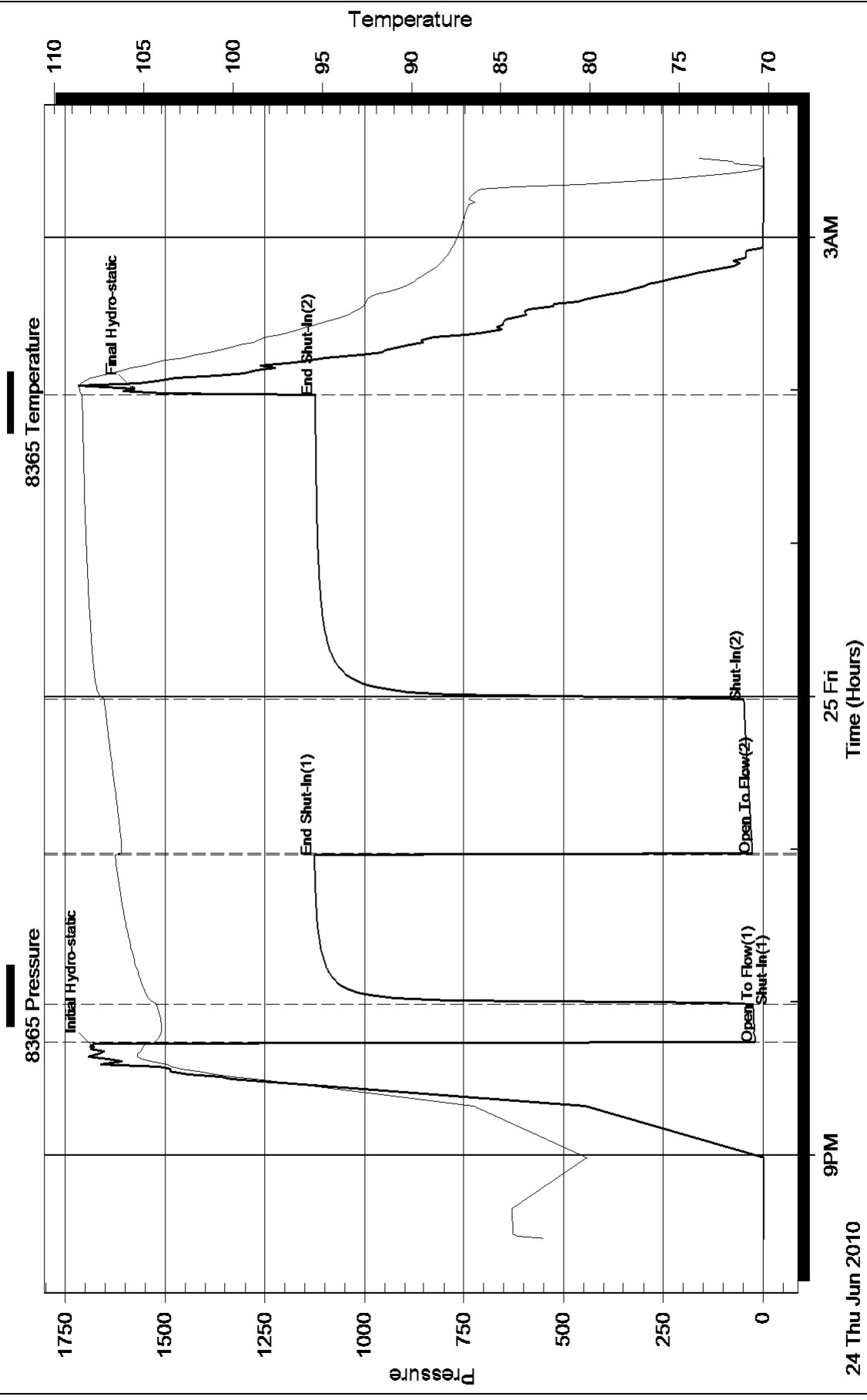
Serial #:

Laboratory Name:

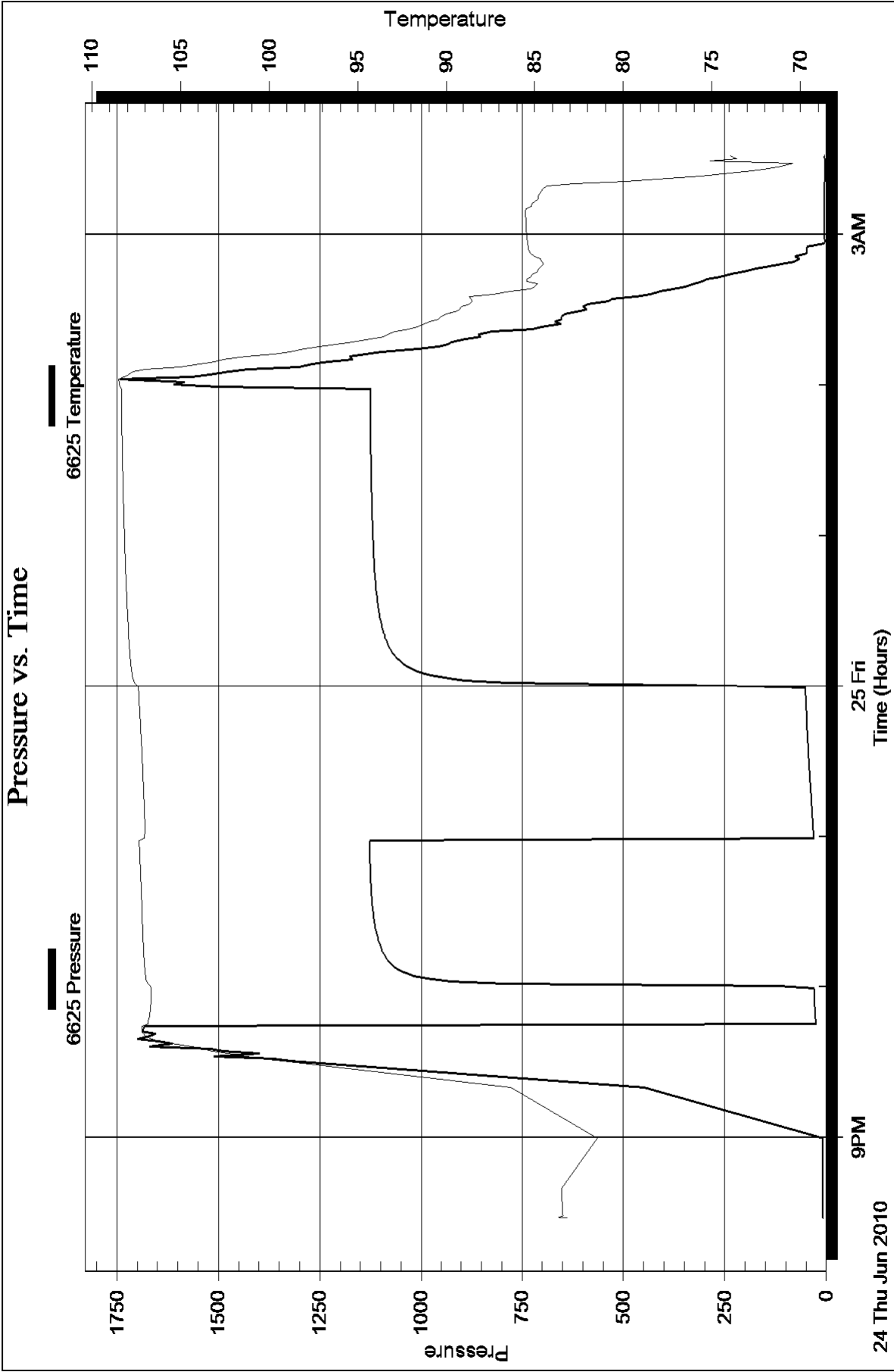
Laboratory Location:

Recovery Comments:

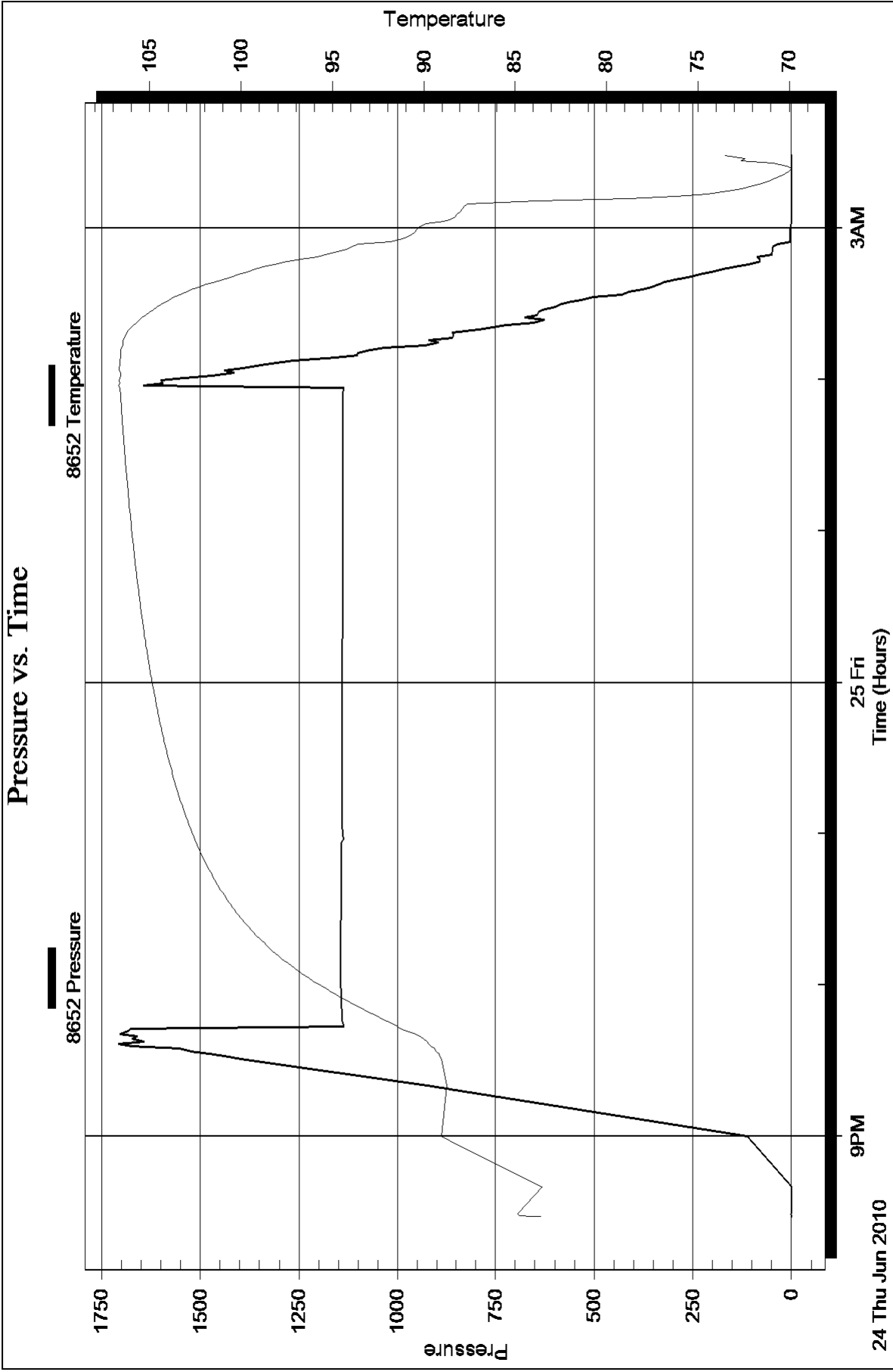
### Pressure vs. Time



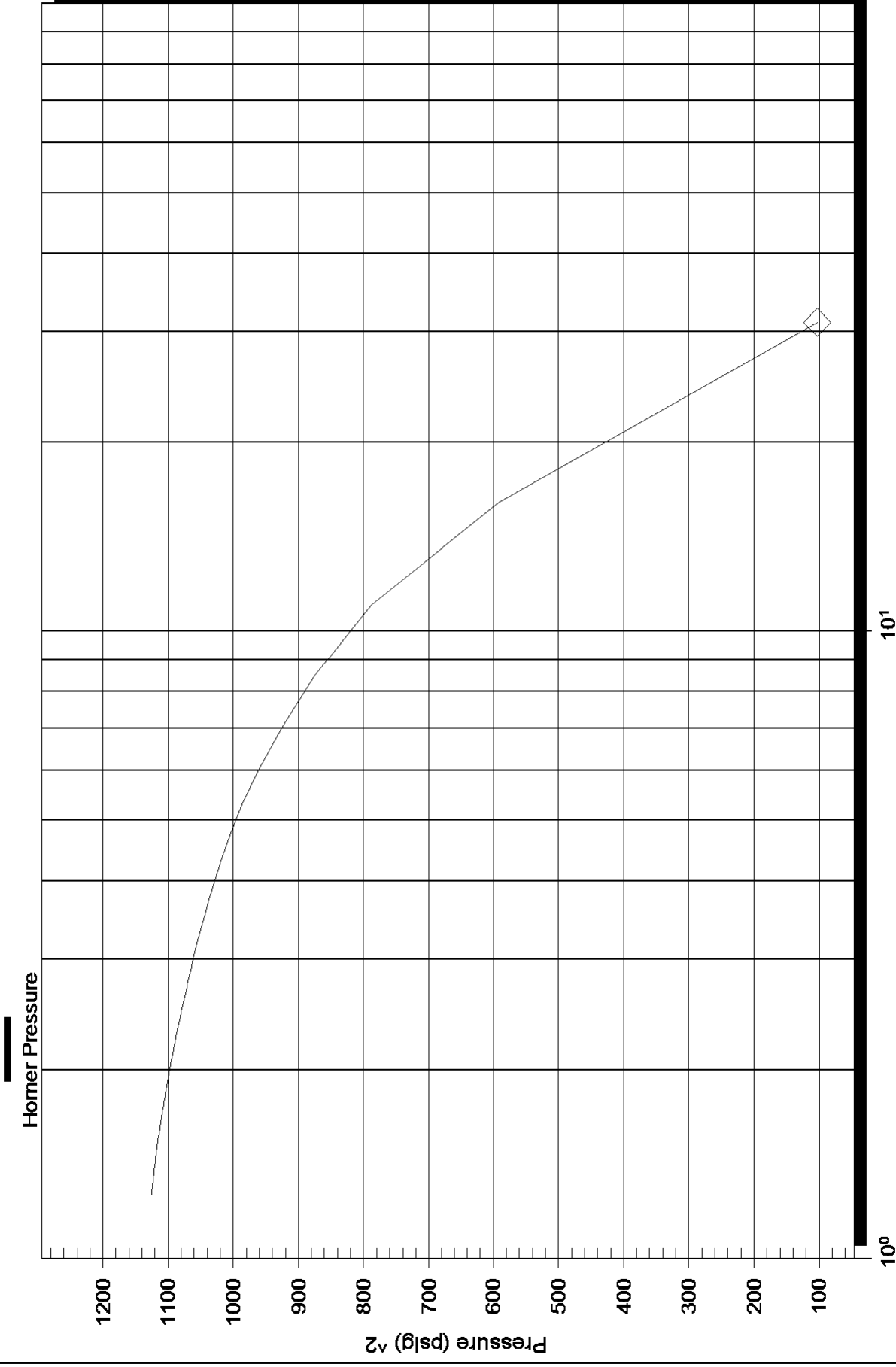
### Pressure vs. Time



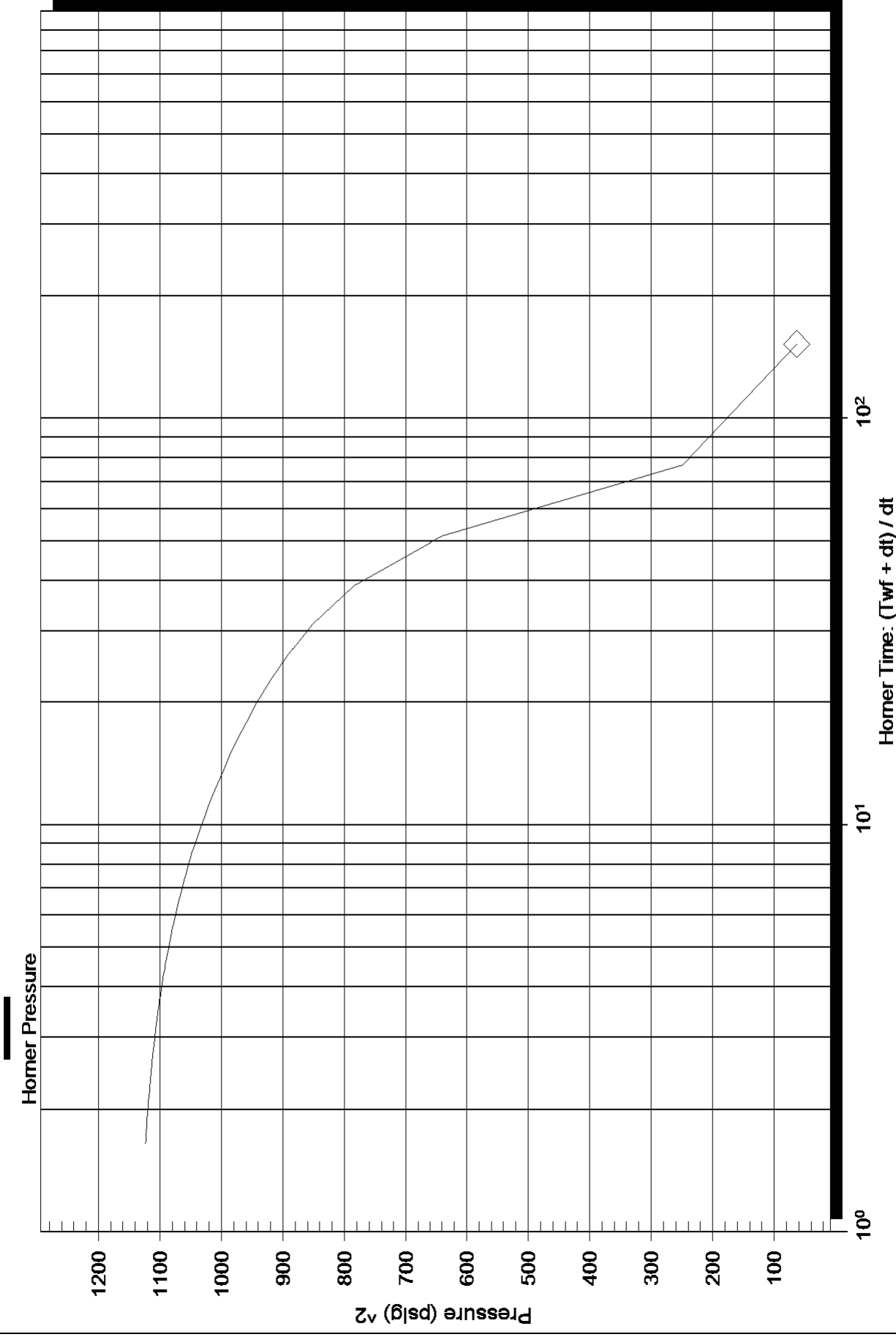




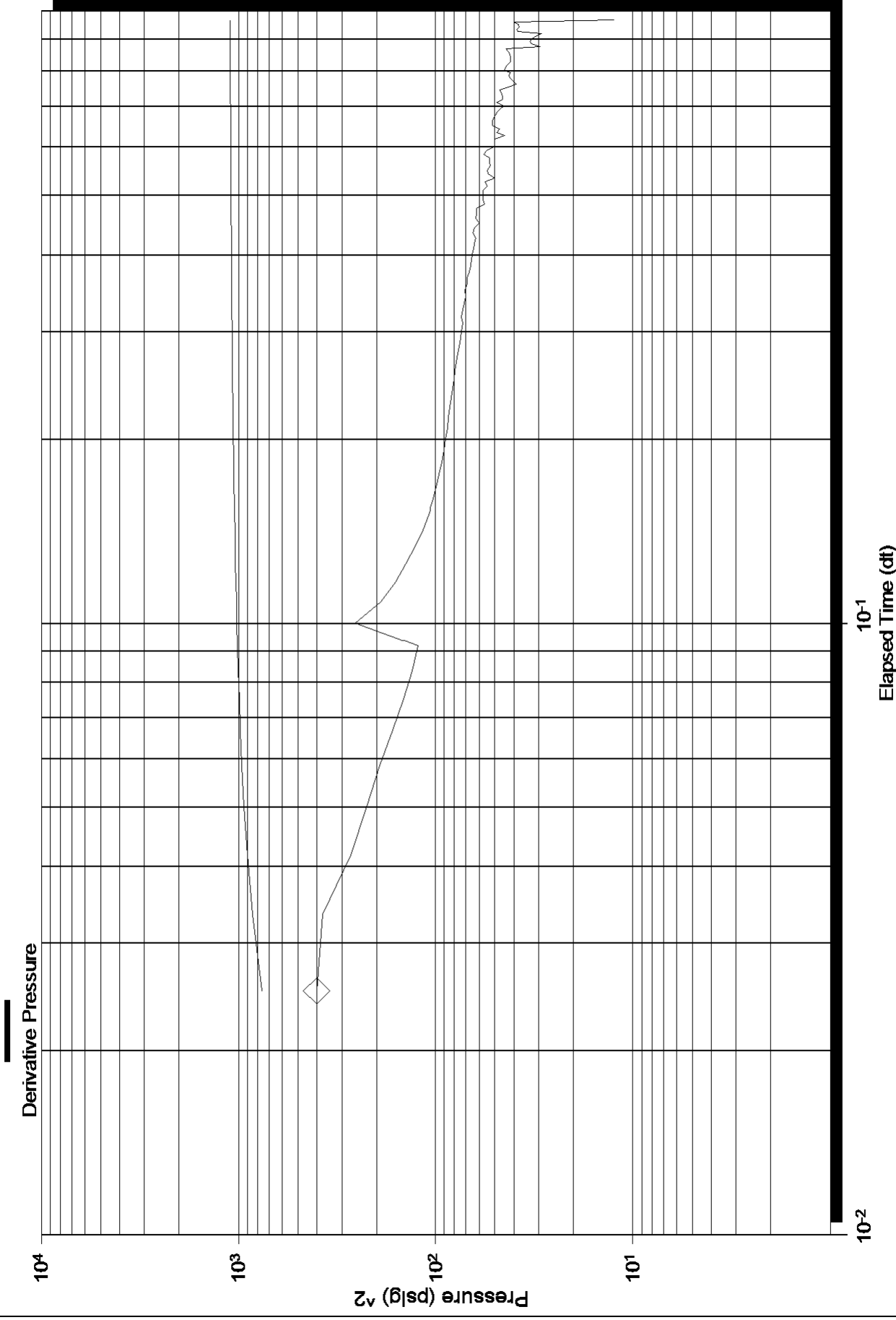
### Homer Plot



### Homer Plot



# Log-Log and Pseudo-Log-Derivative



# Log-Log and Pseudo-Derivative

