



## DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr. & Assoc. inc**

1515 Wynkoop  
STE 700  
Denver Co 80202

ATTN: Clayton Camozzi

**36-15s-36w Ellis**

**Boxberger #5-36**

Start Date: 2011.06.26 @ 14:27:05

End Date: 2011.06.26 @ 20:06:39

Job Ticket #: 042649                      DST #: 2

Trilobite Testing, Inc  
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TESTING, INC.**

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Test Start: 2011.06.26 @ 14:27:05

## GENERAL INFORMATION:

Formation: **LKC "I,J,K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:57:50

Time Test Ended: 20:06:39

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 39

**Interval: 3355.00 ft (KB) To 3416.00 ft (KB) (TVD)**

Reference Elevations: 1928.00 ft (KB)

Total Depth: 3416.00 ft (KB) (TVD)

1920.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8352 Outside**

Press @ Run Depth: 33.84 psig @ 3361.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.26

End Date:

2011.06.26

Last Calib.:

2011.06.26

Start Time: 14:27:05

End Time:

20:06:40

Time On Btm:

2011.06.26 @ 15:57:40

Time Off Btm:

2011.06.26 @ 18:30:10

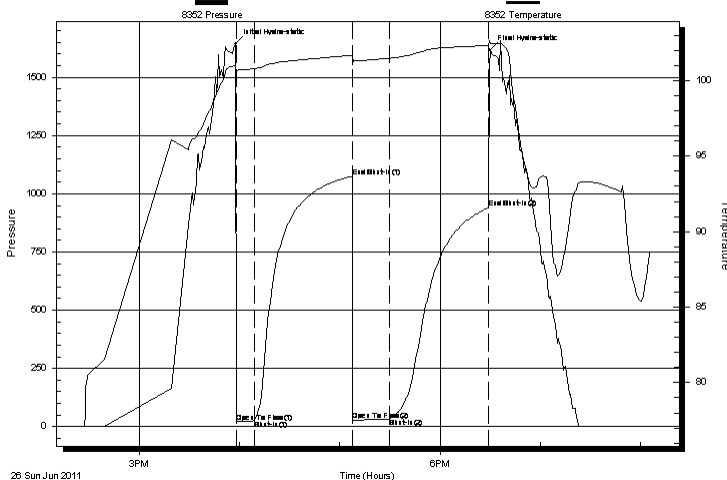
**TEST COMMENT:** IF:(10min) Blow Died, 4 min.

IS:(60min) No Return

FF:(20min) No Blow

FS:(60min) No Return

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1643.72	101.06	Initial Hydro-static
1	20.28	100.48	Open To Flow (1)
11	25.65	100.79	Shut-In(1)
70	1071.60	101.68	End Shut-In(1)
71	26.63	101.05	Open To Flow (2)
92	33.84	101.48	Shut-In(2)
152	938.93	102.33	End Shut-In(2)
153	1616.98	102.45	Final Hydro-static

## Recovery

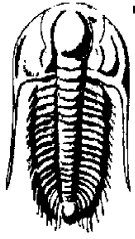
Length (ft)	Description	Volume (bbl)
5.00	OSM	0.02

## Gas Rates

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







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**TOOL DIAGRAM**

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Test Start: 2011.06.26 @ 14:27:05

## Tool Information

Drill Pipe:	Length: 3314.00 ft	Diameter: 3.80 inches	Volume: 46.49 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 52000.00 lb
			Total Volume: 46.64 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3355.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	96.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Recorder	0.00	8650	Fluid	3320.00	
Change Over Sub	1.00			3321.00	
Blank Spacing	5.00			3326.00	
Shut In Tool	5.00			3331.00	
Sampler	2.00			3333.00	
Hydraulic tool	5.00			3338.00	
Jars	5.00			3343.00	
Safety Joint	3.00			3346.00	
Packer	5.00			3351.00	35.00 Bottom Of Top Packer
Packer	4.00			3355.00	
Stubb	1.00			3356.00	
Perforations	4.00			3360.00	
Change Over Sub	1.00			3361.00	
Recorder	0.00	8017	Inside	3361.00	
Recorder	0.00	8352	Outside	3361.00	
Drill Pipe	31.00			3392.00	
Change Over Sub	1.00			3393.00	
Perforations	20.00			3413.00	
Bullnose	3.00			3416.00	61.00 Bottom Packers & Anchor

**Total Tool Length: 96.00**



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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: 89.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6700.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbf
5.00	OSM	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

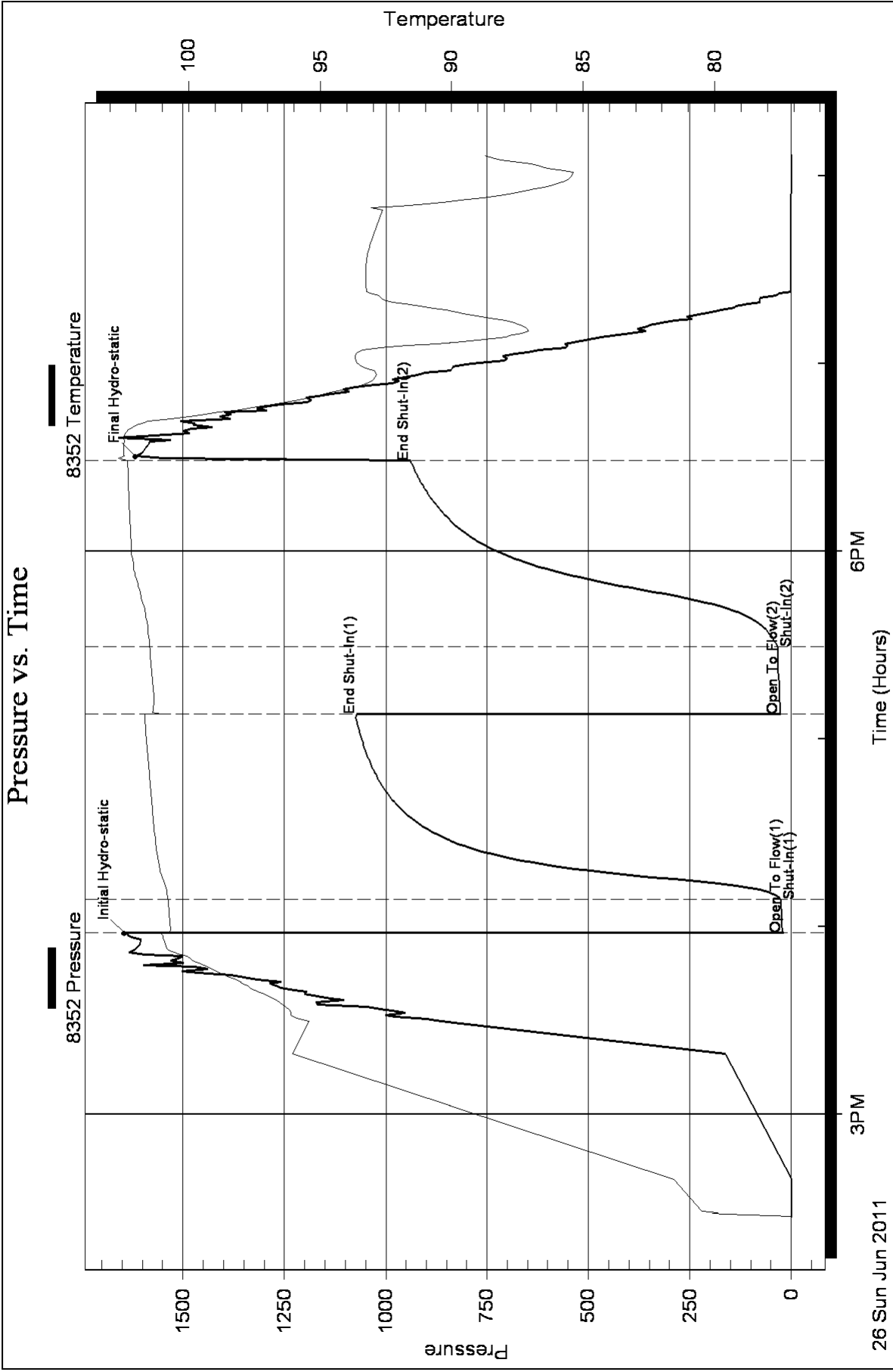
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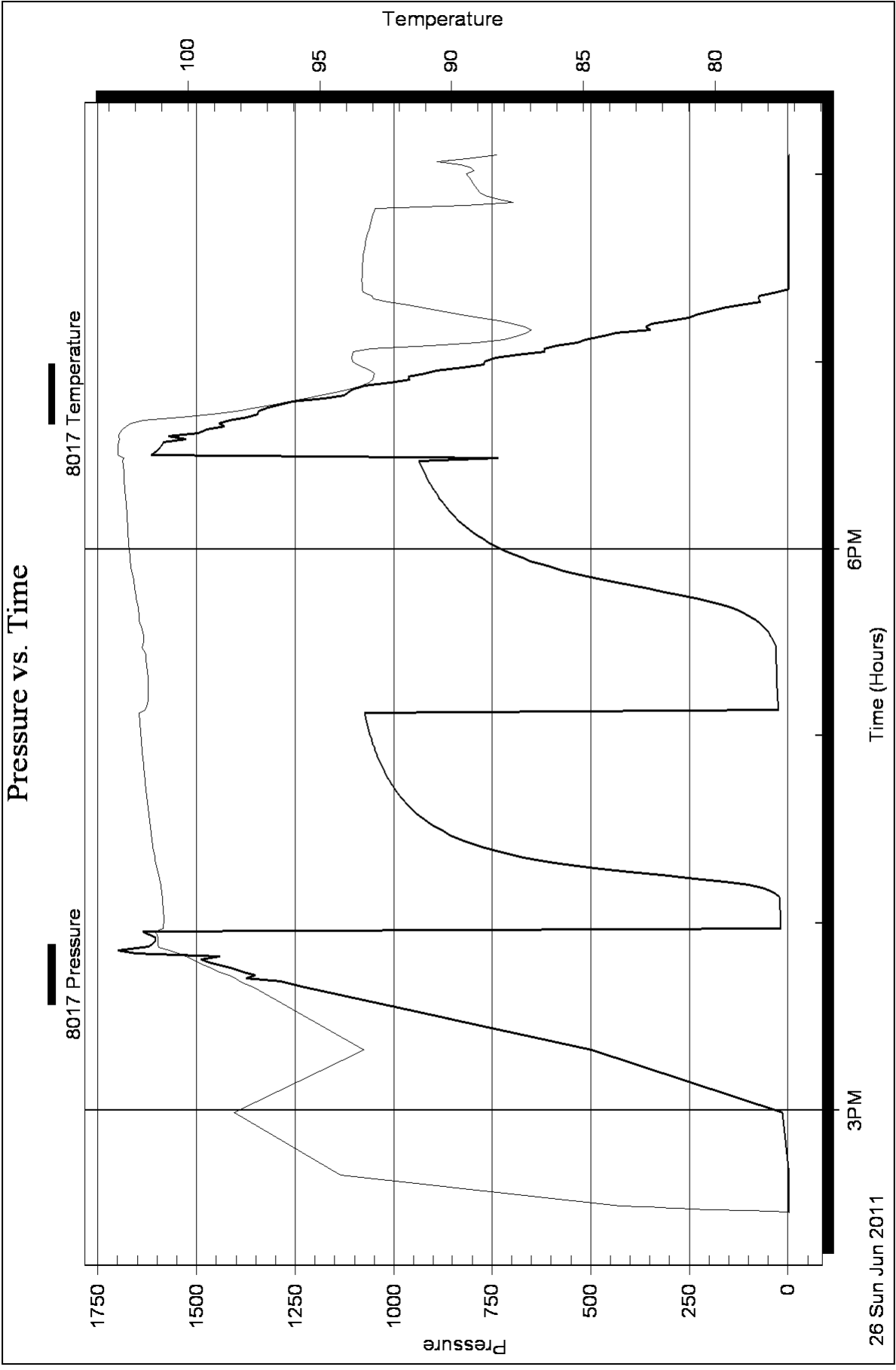
Laboratory Name:

Laboratory Location:

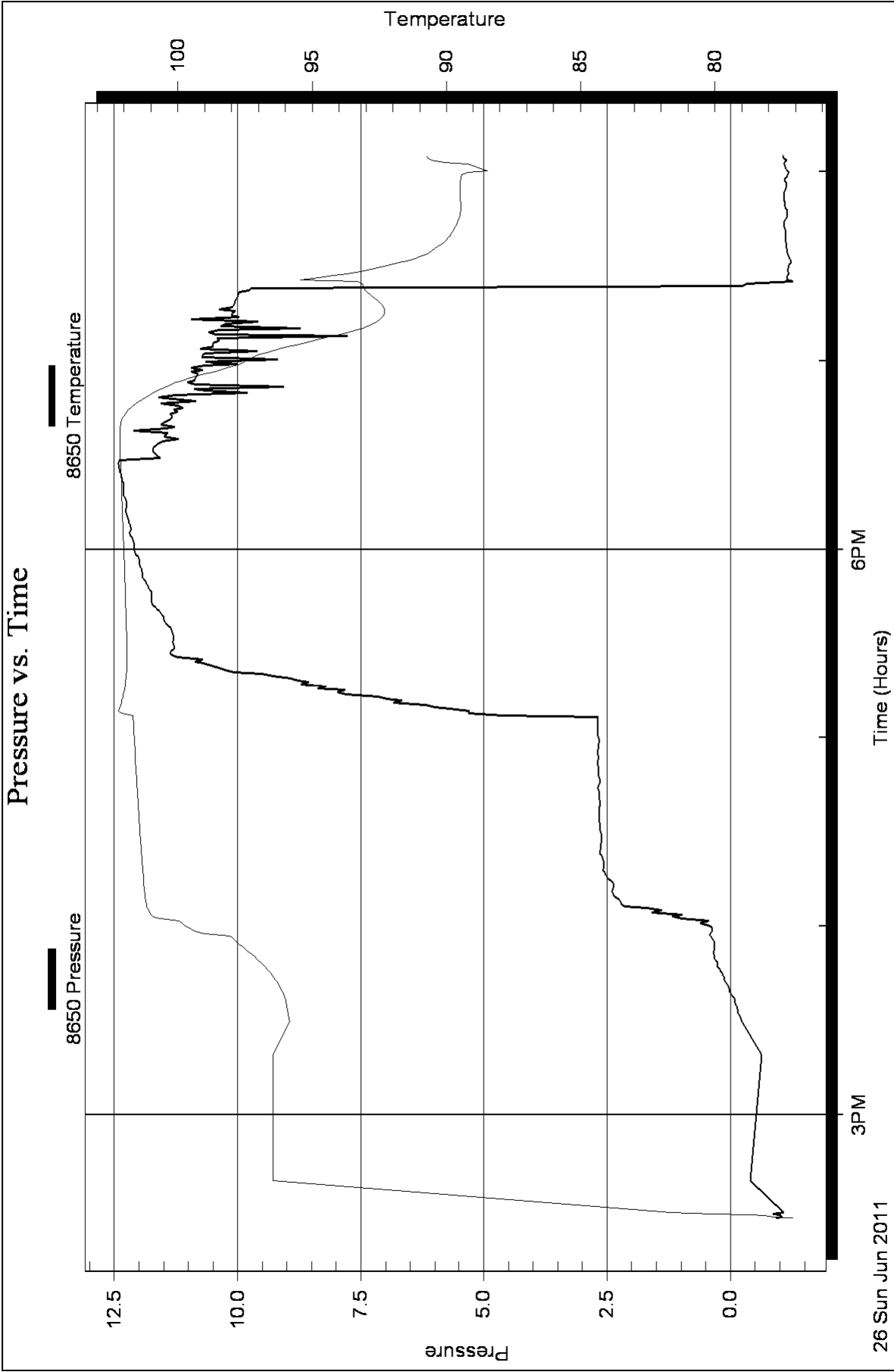
Recovery Comments: Sampler Data- o=tr m=400ml pressure=100lbs

### Pressure vs. Time

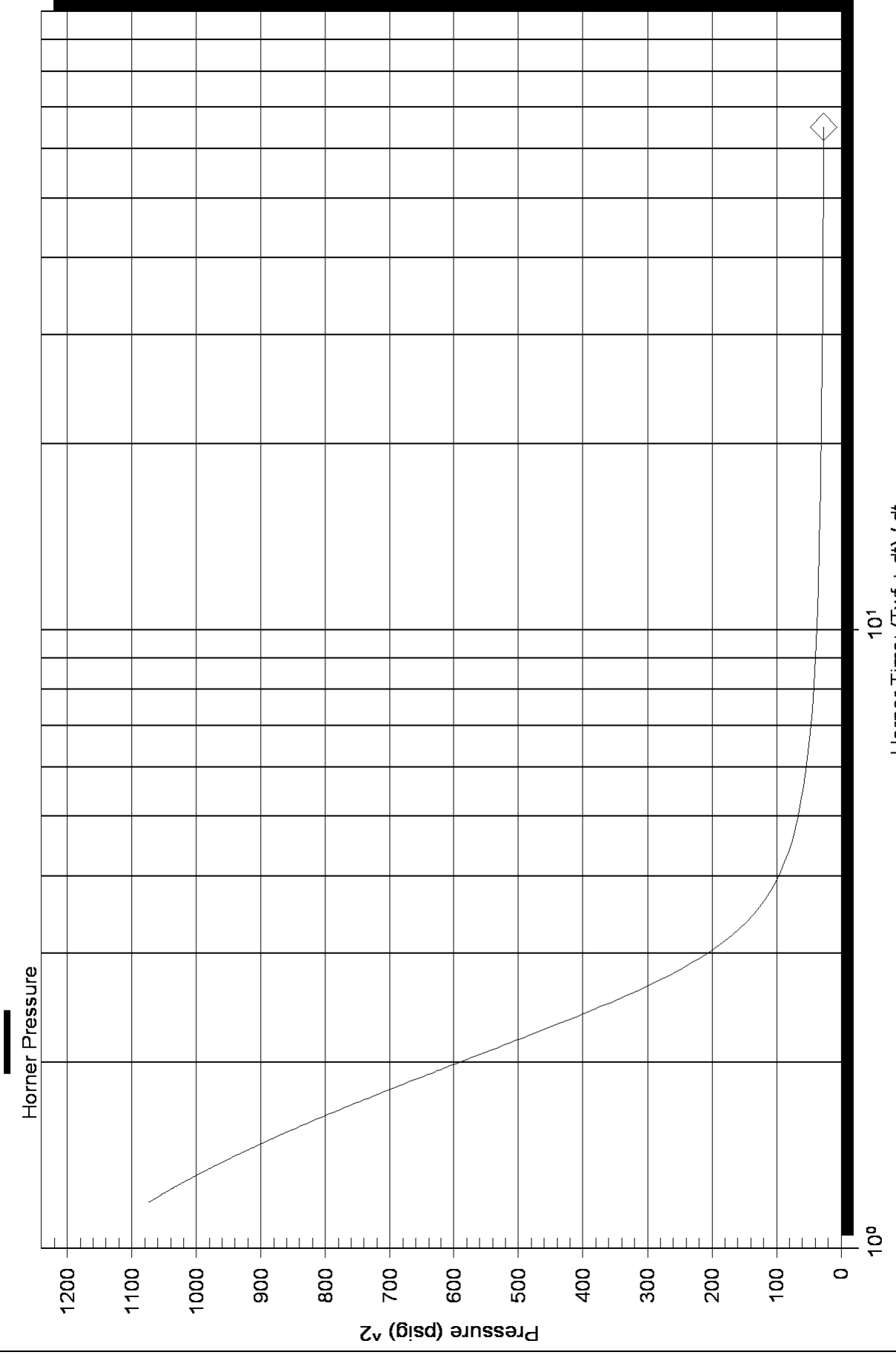




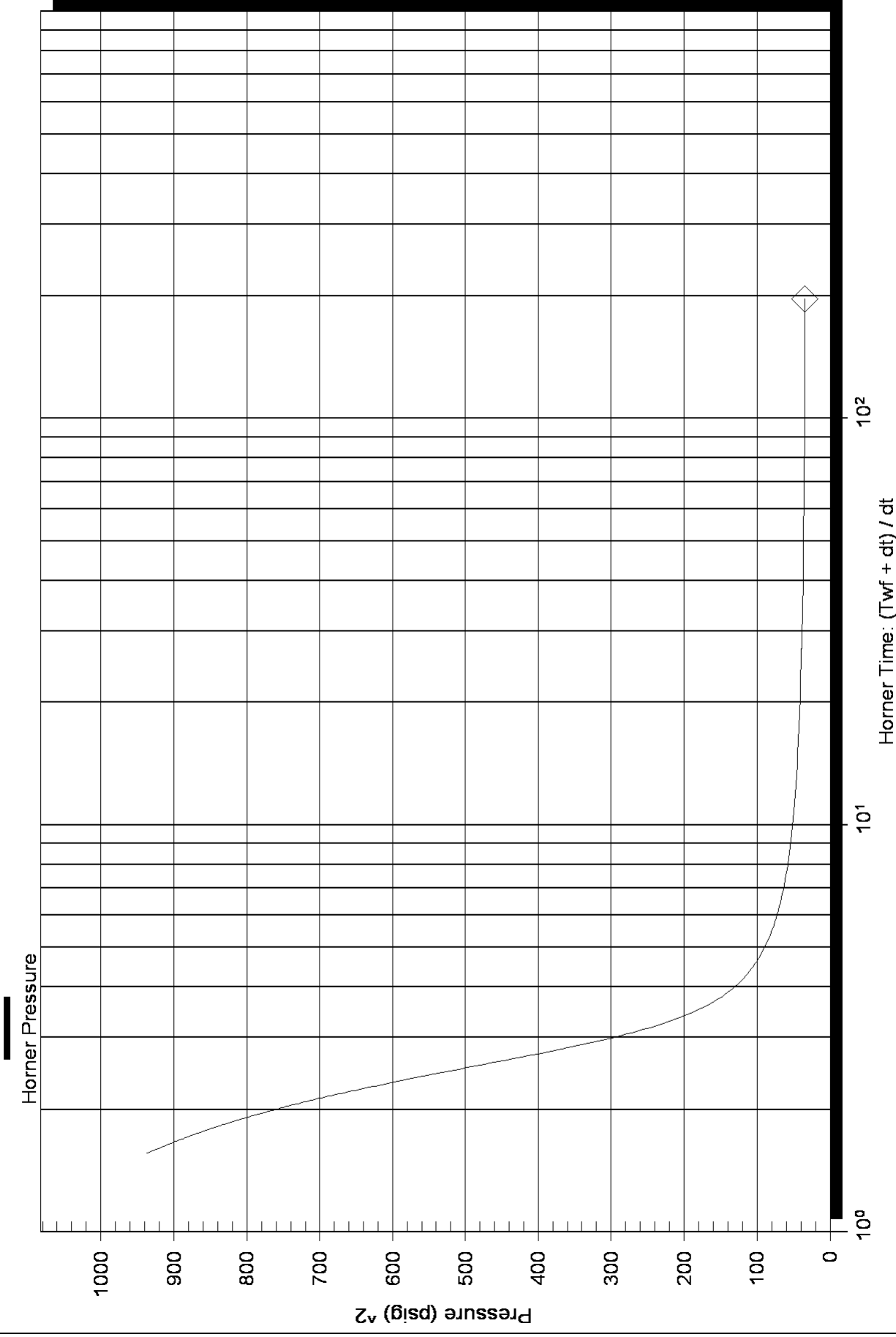




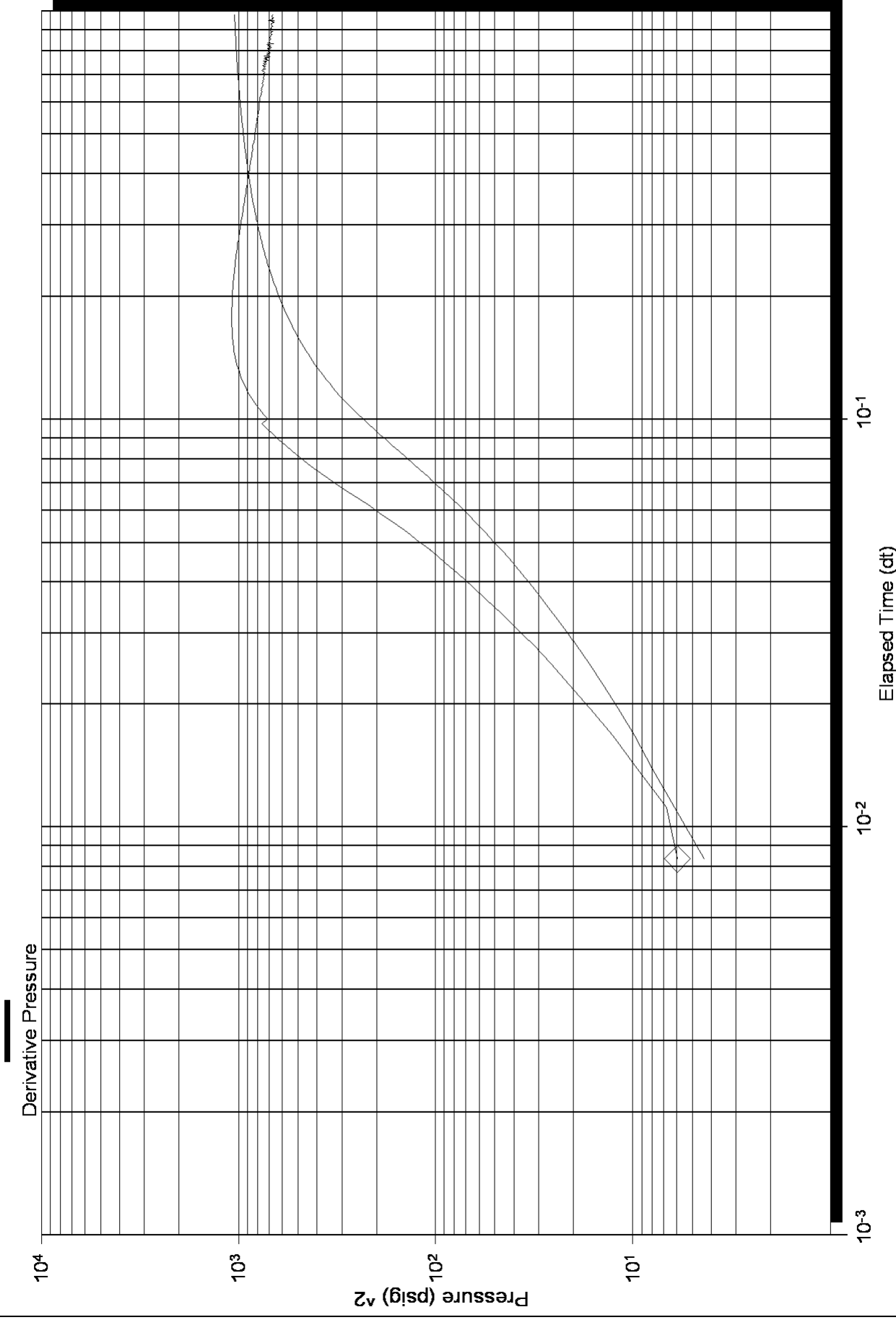
### Homer Plot



### Homer Plot



# Log-Log and Pseudo-Derivative



# Log-Log and Pseudo-Derivative

