



DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr. & Ass. Inc,**

1515 Wynkoop St, Ste 700
Denver CO, 80202

ATTN: Clayton Camozzi

21-15S-16W

Scurlock #1-21

Start Date: 2011.03.29 @ 13:00:26

End Date: 2011.03.29 @ 20:35:26

Job Ticket #: 42807 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr. & Ass. Inc,
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Tool Information

Drill Pipe:	Length: 3368.00 ft	Diameter: 3.80 inches	Volume: 47.24 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	45000.00 lb
			<u>Total Volume: 47.24 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	54.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3348.00 ft			Final	49000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	61.00 ft				
Tool Length:	95.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	5.00			3319.00	
Recorder	0.00	8319	Fluid	3319.00	
Shut In Tool	5.00			3324.00	
Sampler	3.00			3327.00	
Hydraulic tool	5.00			3332.00	
Jars	5.00			3337.00	
Safety Joint	2.00			3339.00	
Packer	5.00			3344.00	34.00 Bottom Of Top Packer
Packer	4.00			3348.00	
Stubb	1.00			3349.00	
Recorder	0.00	6719	Inside	3349.00	
Recorder	0.00	8369	Outside	3349.00	
Perforations	57.00			3406.00	
Bullnose	3.00			3409.00	61.00 Bottom Packers & Anchor

Total Tool Length: 95.00



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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: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.76 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

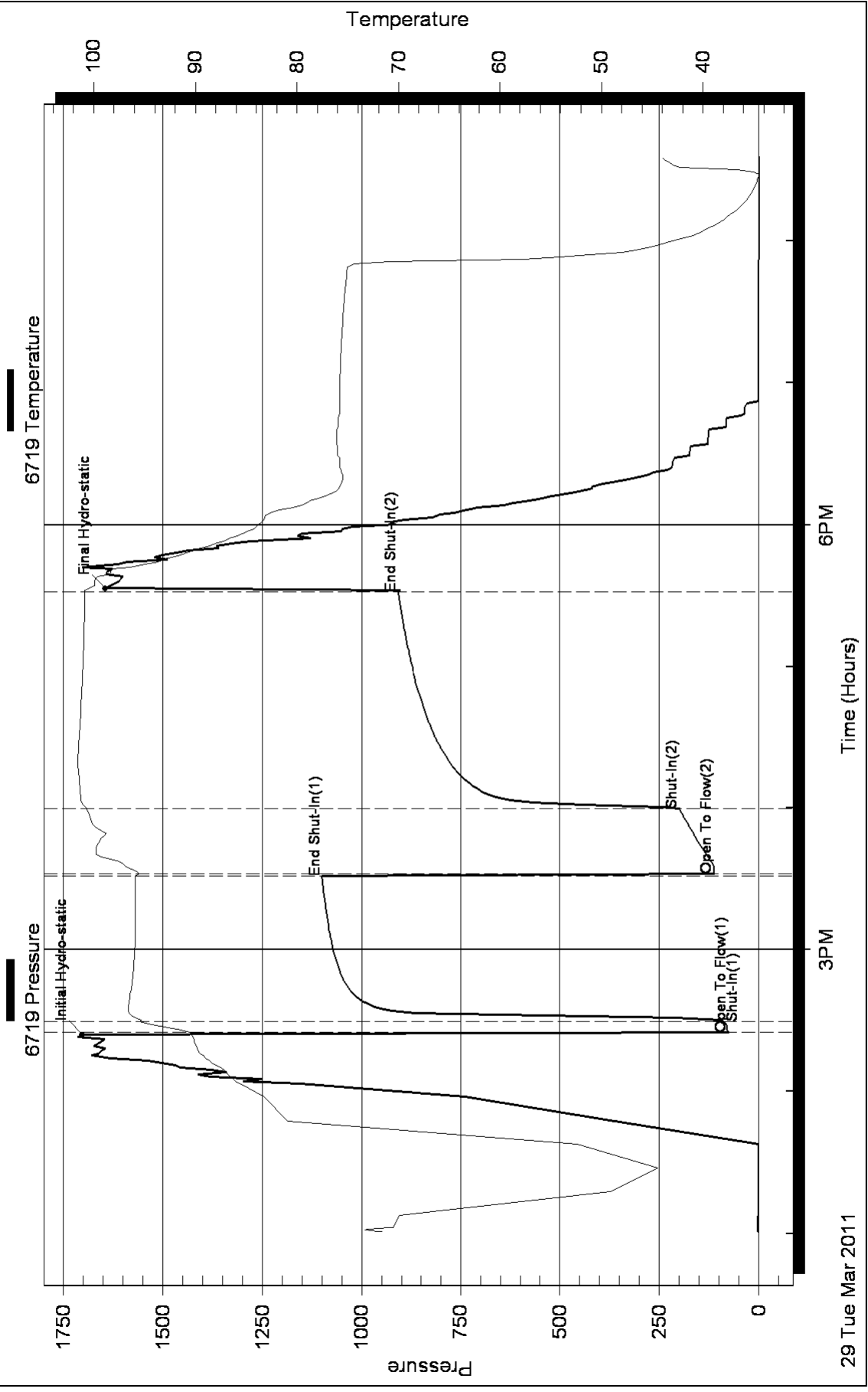
Recovery Information

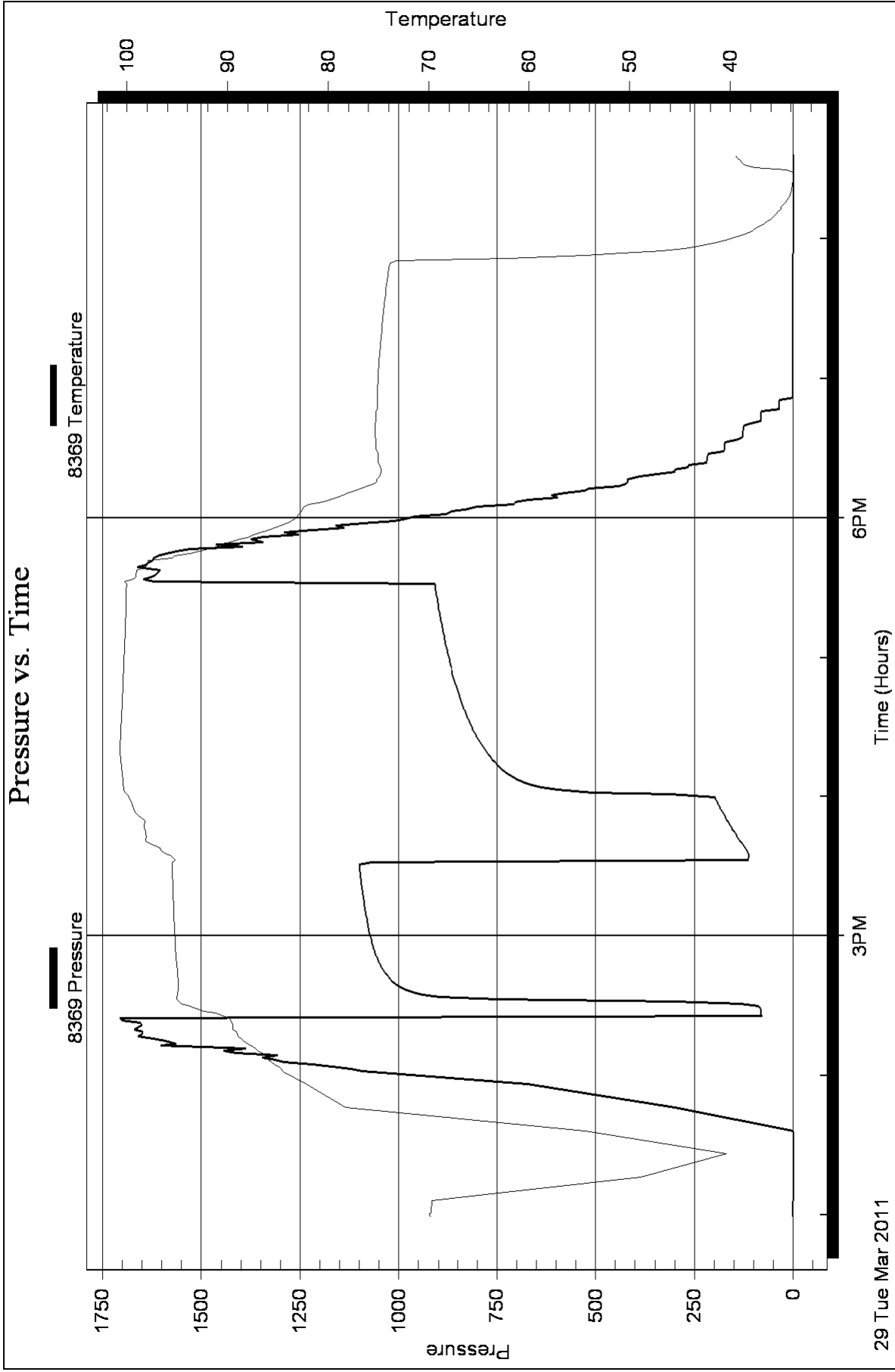
Recovery Table

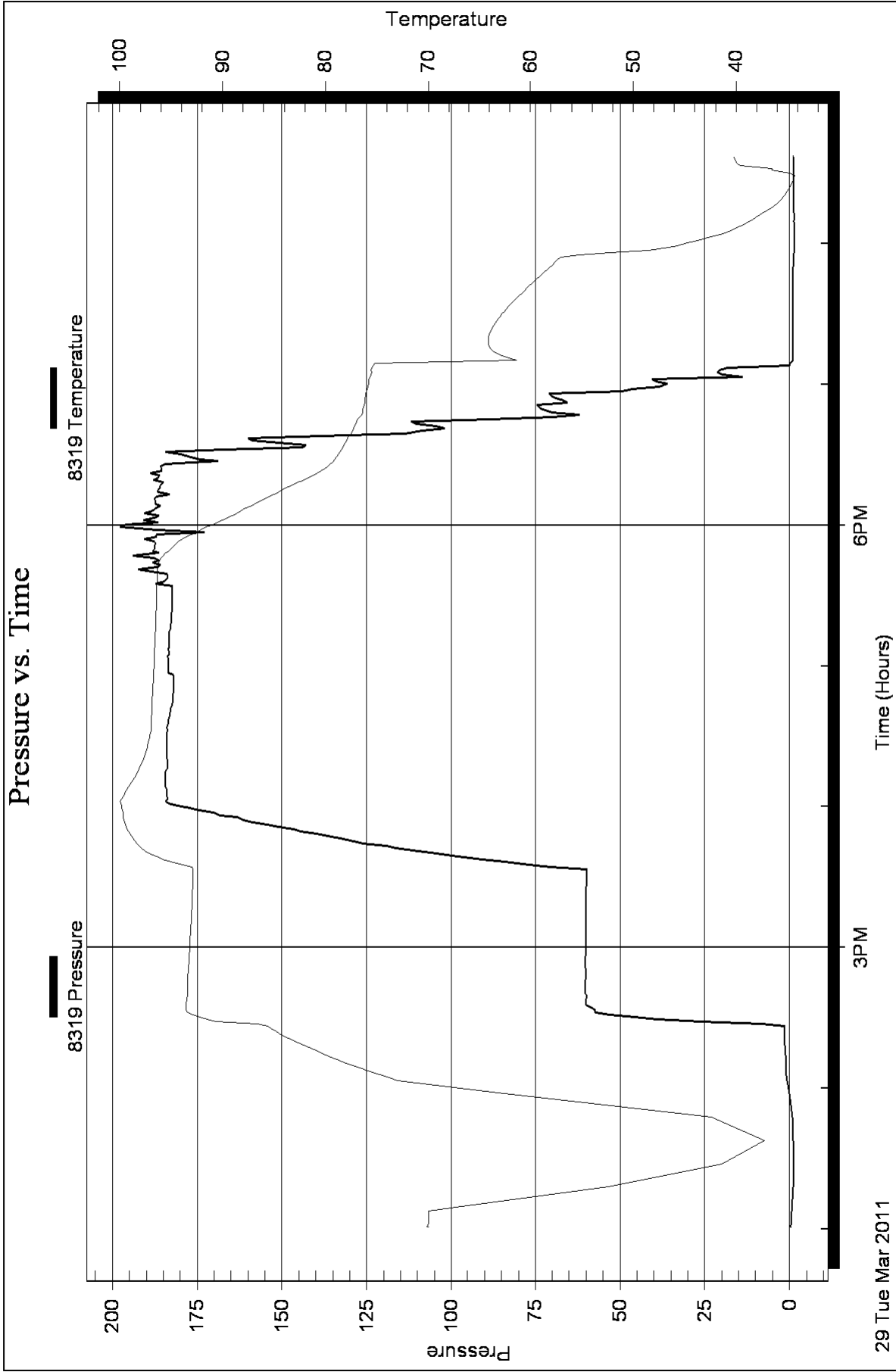
Length ft	Description	Volume bbl
100.00	GOCM 30%G 30%O 40%M	1.403
120.00	SMGO 30%G 55%O 15%M	1.683
120.00	SMCGO 40%G 40%O 20%M	1.683
120.00	SGMO15%G 70%O 15%M	1.683
0.00	180ft GIP	0.000

Total Length: 460.00 ft Total Volume: 6.452 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Sampler Data
 2750 ML Oil 250 ML Mud 1000 ML Gas 300 PSI

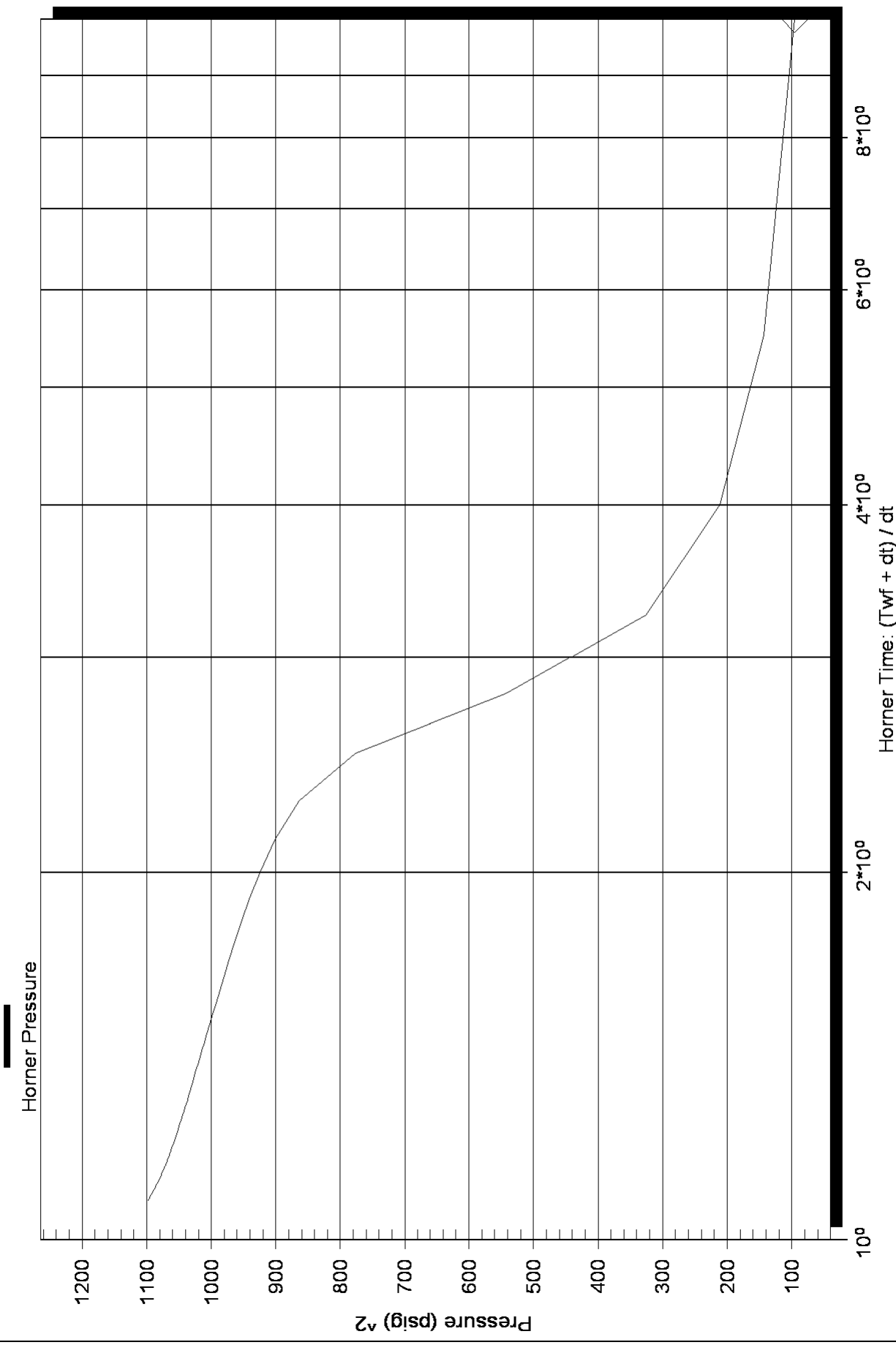
Pressure vs. Time



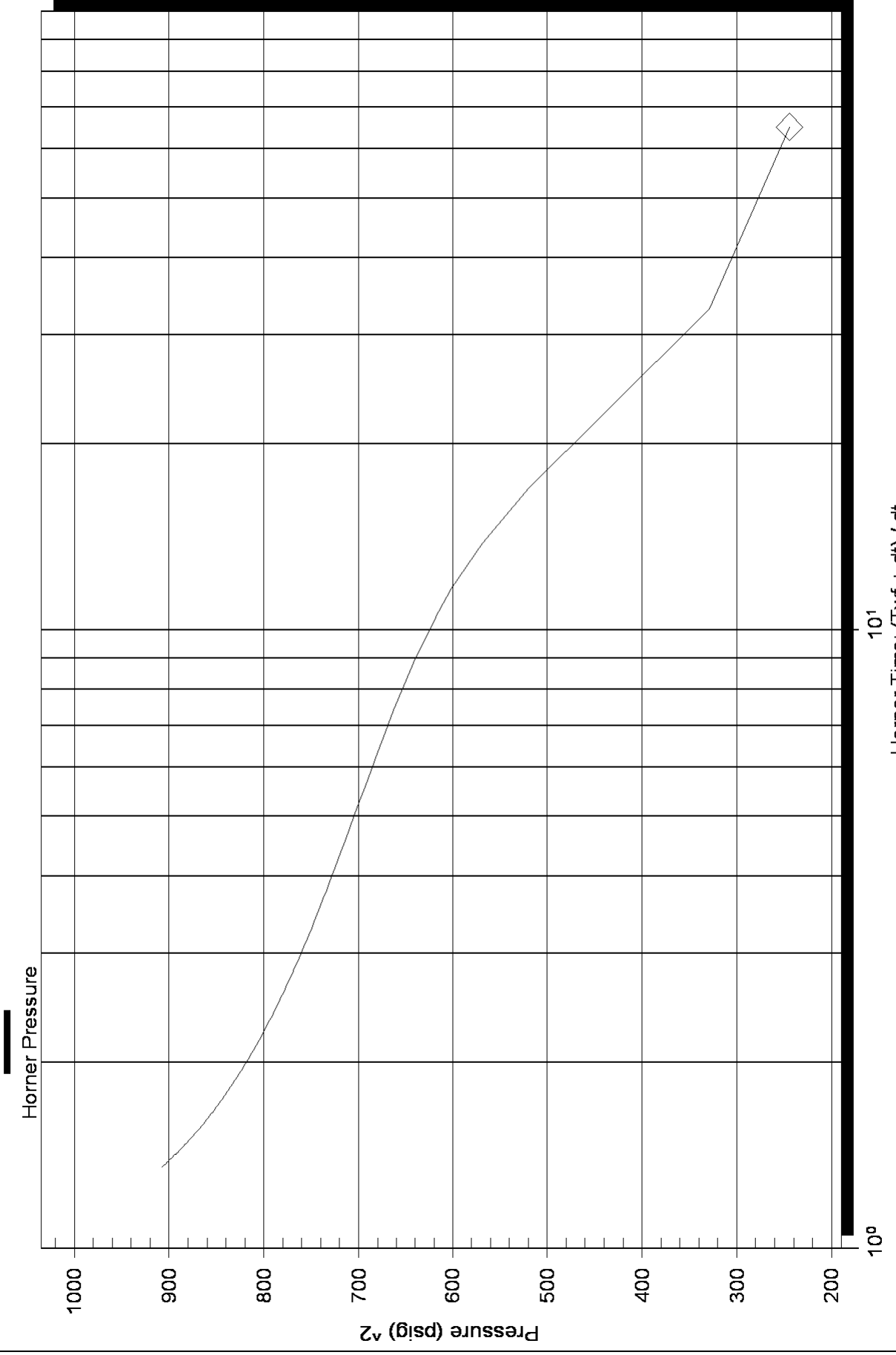




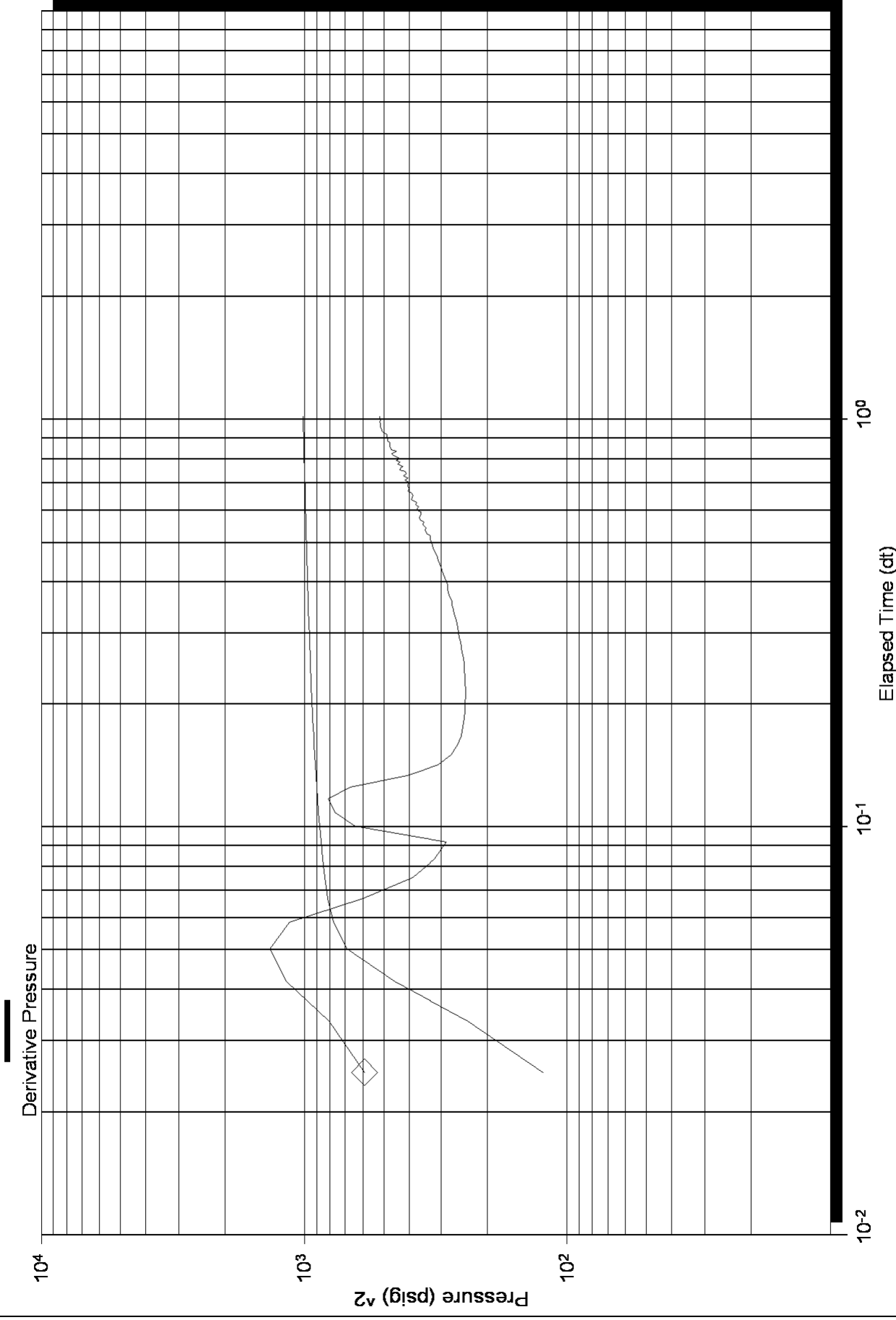
Homer Plot



Homer Plot



Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative

