



DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr. & Assoc.**

1515 Wynkoop, Ste. 700
Denver Co. 80202

ATTN: Clayton Camozzi

7-18s-9w Rice Ks.

Rolfs Farm#1-7

Start Date: 2010.07.01 @ 09:25:22

End Date: 2010.07.01 @ 16:56:52

Job Ticket #: 039232 DST #: 2

Trilobite Testing, Inc
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TESTING, INC**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Assoc.

Rolfs Farm#1-7

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Test Start: 2010.07.01 @ 09:25:22

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:17:22

Time Test Ended: 16:56:52

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: 3261.00 ft (KB) To 3272.00 ft (KB) (TVD)

Reference Elevations: 1756.00 ft (KB)

Total Depth: 3272.00 ft (KB) (TVD)

1746.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8167 Inside

Press @ Run Depth: 130.46 psig @ 3262.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.07.01

End Date: 2010.07.01

Last Calib.: 2010.07.01

Start Time: 09:25:27

End Time: 16:56:51

Time On Btm: 2010.07.01 @ 11:15:37

Time Off Btm: 2010.07.01 @ 15:34:22

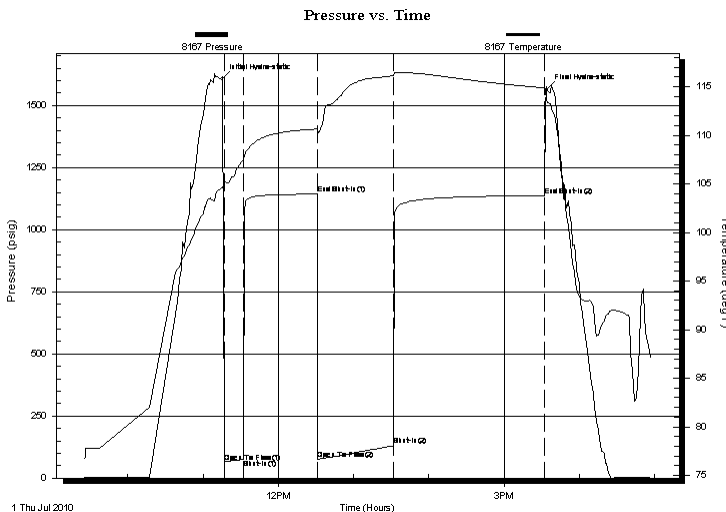
TEST COMMENT: IF: Weak blow . 1/2 - 2". Slid tool 3 - 4 ft. to btm. Lost mud around packers w hen sliding.

IS: No blow .

FF: Weak to fair Slow increase to 7 1/2".

FS: No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1608.88	104.58	Initial Hydro-static
2	65.35	105.17	Open To Flow (1)
17	75.23	107.51	Shut-In(1)
76	1142.98	110.64	End Shut-In(1)
76	76.65	110.04	Open To Flow (2)
137	130.46	116.13	Shut-In(2)
257	1136.74	114.87	End Shut-In(2)
259	1566.13	113.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	MW 40% m 60% w	1.54
125.00	SW /Rw .17ohms @94 deg	1.75

Gas Rates

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



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TOOL DIAGRAM

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ATTN: Clayton Camozzi

Test Start: 2010.07.01 @ 09:25:22

Tool Information

Drill Pipe:	Length: 3251.00 ft	Diameter: 3.80 inches	Volume: 45.60 bbl	Tool Weight:	2400.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	44000.00 lb
			<u>Total Volume: 45.60 bbl</u>	Tool Chased	3.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	3261.00 ft			Final	36500.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	11.00 ft				
Tool Length:	39.00 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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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3234.00	
Shut in tool	5.00			3239.00	
HMV	5.00			3244.00	
Jars	5.00			3249.00	
Safety Joint	3.00			3252.00	
Packer	4.00			3256.00	28.00 Bottom Of Top Packer
Packer	5.00			3261.00	
Stubb	1.00			3262.00	
Recorder	0.00	8167	Inside	3262.00	
Recorder	0.00	8370	Outside	3262.00	
Perforations	5.00			3267.00	
Bullnose	5.00			3272.00	11.00 Bottom Packers & Anchor

Total Tool Length: 39.00



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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:

31500 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6300.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	MW 40% m 60% w	1.543
125.00	SW /Rw .17ohms @94 deg	1.753

Total Length: 235.00 ft

Total Volume: 3.296 bbl

Num Fluid Samples: 0

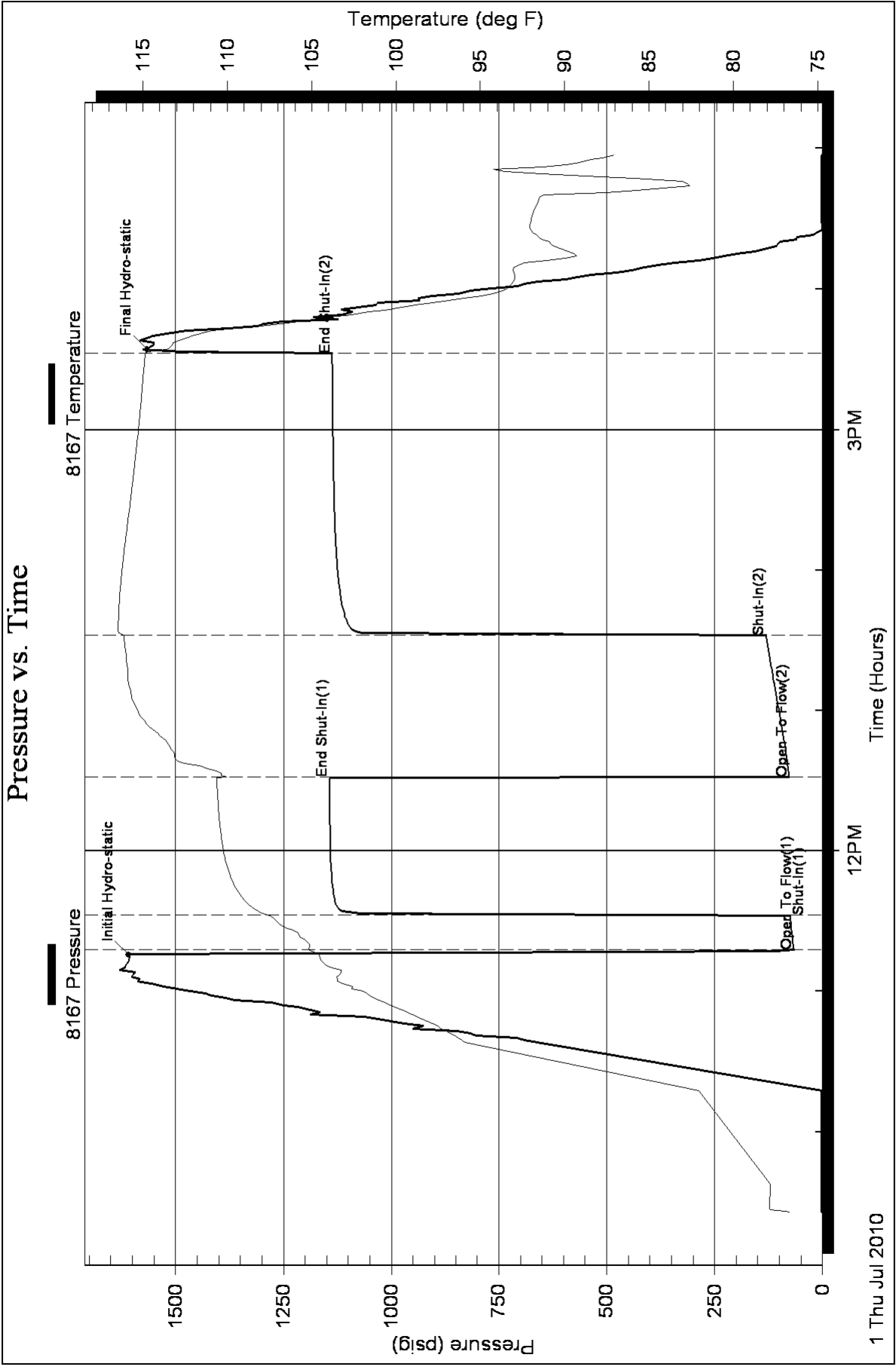
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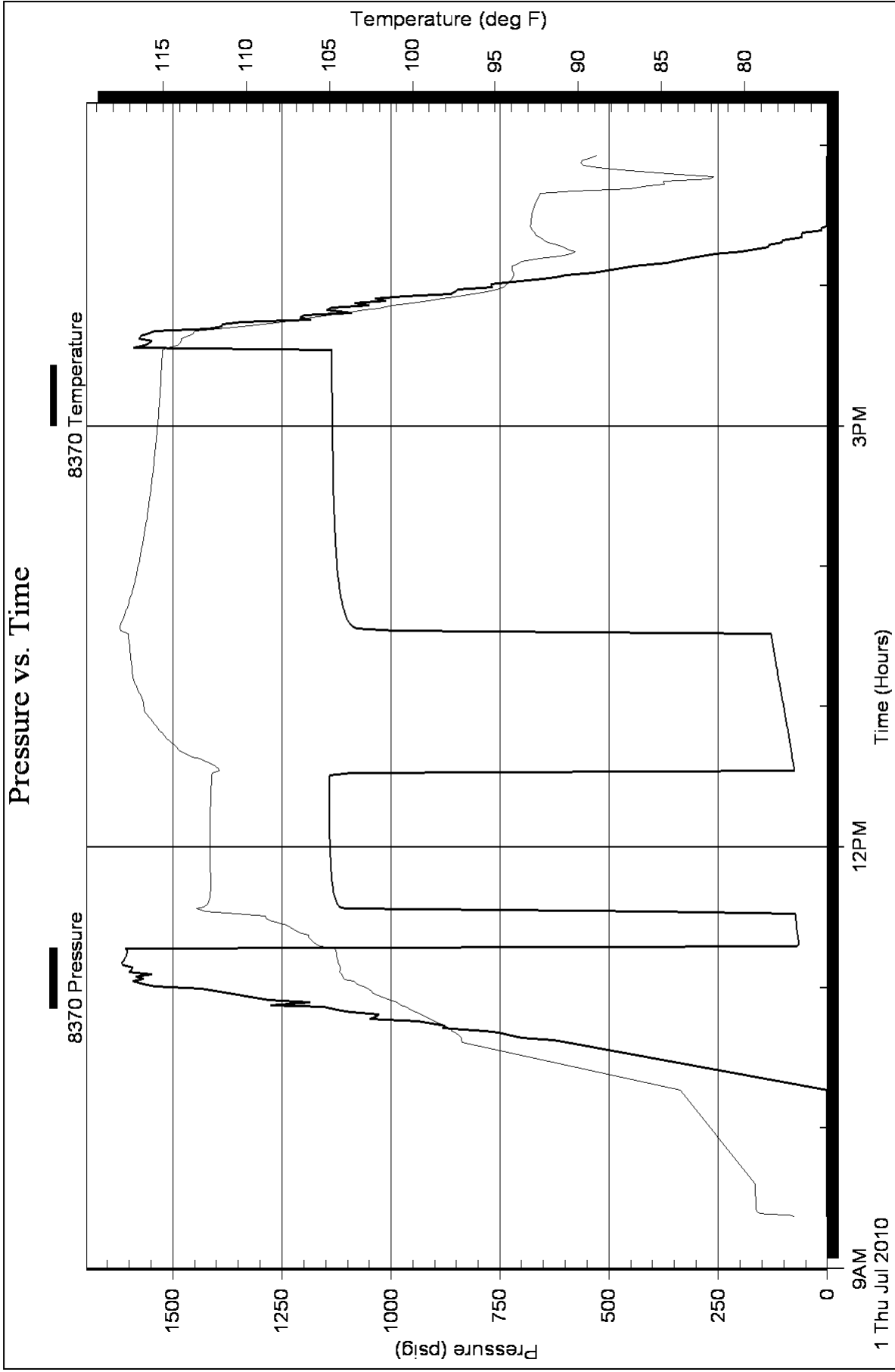
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Laboratory Name:

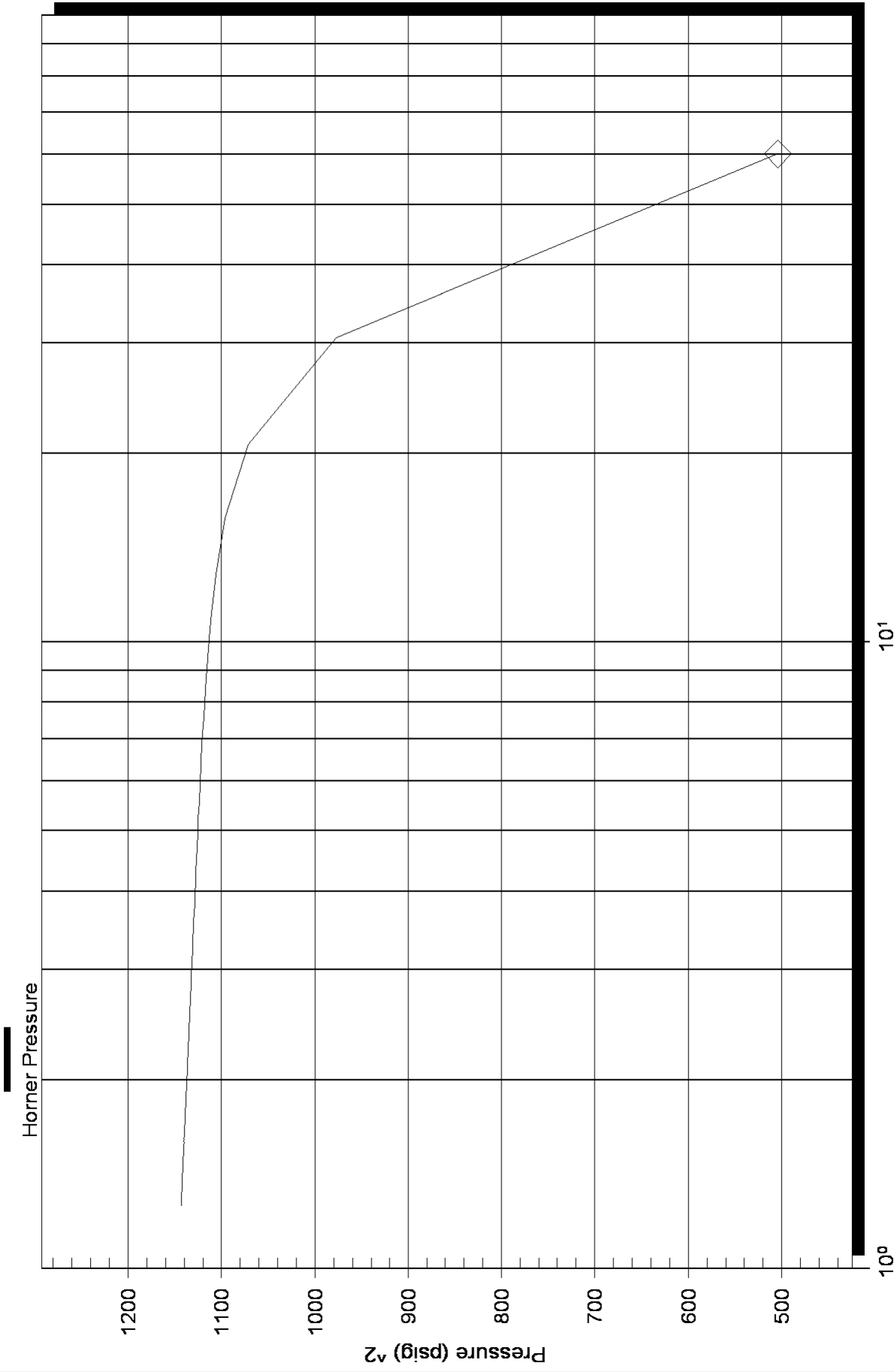
Laboratory Location:

Recovery Comments:

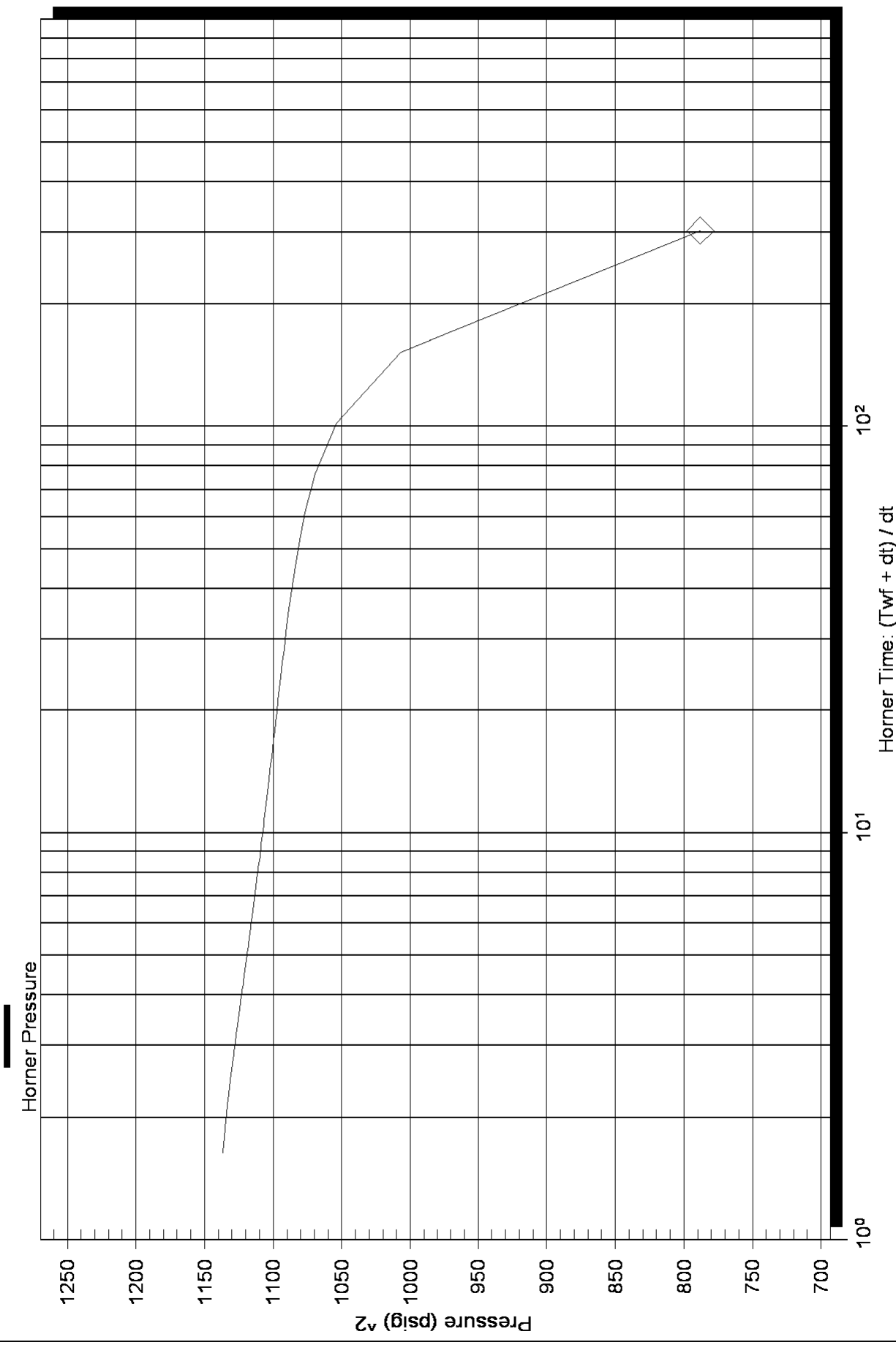




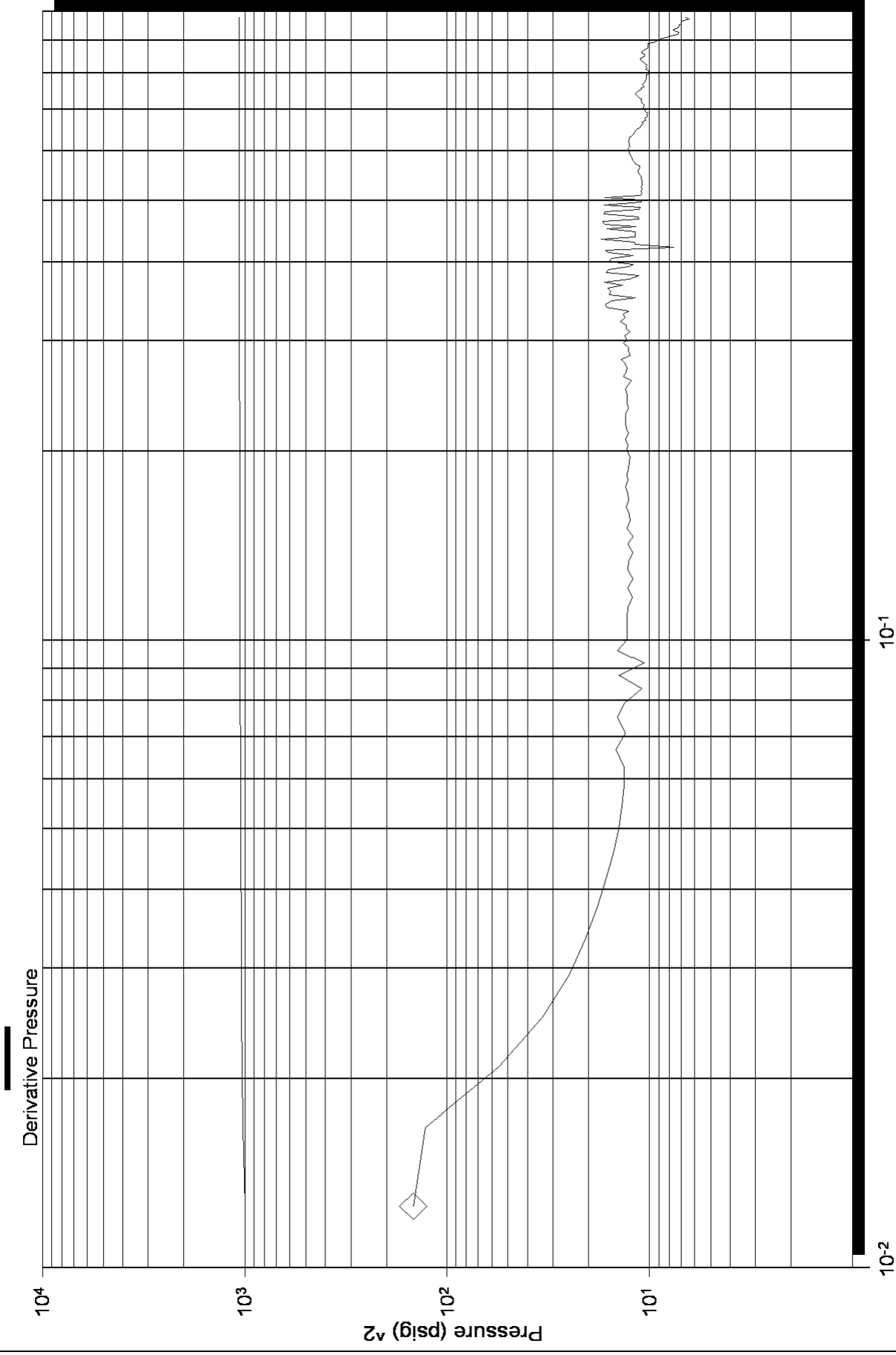
Homer Plot



Homer Plot



Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative

