

DRILL STEMTEST REPORT

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

1515 Wynkoop St
Suite 700 Denver CO 80202

ATTN Tom Feral

Bull 1-34

34-14s-17w Ellis

Start Date 2011.10.15 @ 22:45:05

End Date 2011.10.16 @ 06:35:59

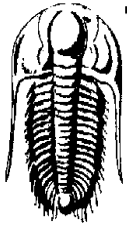
Job Ticket #: 44259 DST #: 1

Trilobite Testing Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed 2011.10.16 @ 06:19:22



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Sam Gary Jr & Assoc. inc.

1515 Wyrkoop St
Suite 700 Denver CO 80202

ATTN: Tom Fernald

34-14s-17w Ellis

Bull 1-34

Job Ticket: 44259

DST#: 1

Test Start: 2011.10.15 @ 22:45:05

GENERAL INFORMATION

Formation: **LICF & upper G'**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 00:28:20

Time Test Ended: 06:35:59

Test Type: Conventional Bottom Hole (Initial)

Tester: Andy Carneira

Unit No: 39

Interval: **3290.00 ft (KB) To 3317.00 ft (KB) (TVD)**

Total Depth: 3317.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1954.00 ft (KB)

1944.00 ft (CF)

KB to GRCP: 10.00 ft

Serial #: **8352**

Outside

Press@Run Depth: 48.97 psig @ 3291.00 ft (KB)

Start Date: 2011.10.15 End Date: 2011.10.16

Start Time: 22:45:05 End Time: 06:35:59

Capacity: 8000.00 psig

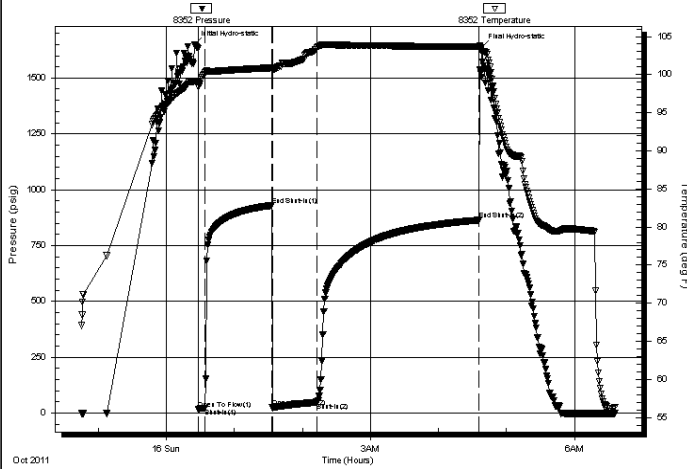
Last Calib.: 2011.10.16

Time On Btm: 2011.10.16 @ 00:25:00

Time Off Btm: 2011.10.16 @ 04:38:20

TEST COMMENT: F(5min) 2 inch blow
IS(60min) No Return
FF(40min) 4 inch blow in 28 min, 5 inch in 40 min
FS(140min) No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Mh)	Pressure (psig)	Temp (deg F)	Action
0	1660.10	99.09	Initial Hydro-static
4	16.66	98.38	Open To Flow(1)
9	22.87	100.29	Shut-h(1)
68	929.29	100.89	End Shut-h(1)
69	24.38	100.57	Open To Flow(2)
108	48.97	103.55	Shut-h(2)
251	863.97	103.66	End Shut-h(2)
254	1635.29	103.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MWw/skim of oil, oil in tool	0.84

Gas Rates

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



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TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr & Assoc. inc.

34-14s-17w Ellis

1515 Wyrkoop St
Suite 700 Denver CO 80202

Bull 1-34

Job Ticket: 44259

DST# 1

ATTN: Tom Fernal

Test Start: 2011.10.15 @22:45:05

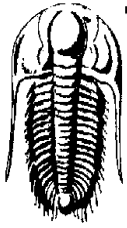
Tool Information

Drill Pipe:	Length:	3259.00 ft	Diameter:	3.80 inches	Volume:	45.72 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:	56000.00 lb
					Total Volume:	45.72 bbl	Tool Chased:	0.00 ft
Drill Pipe Above KB:		3.00 ft					String Weight: Initial:	46000.00 lb
Depth to Top Packer:		3290.00 ft					Final:	46500.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		27.00 ft						
Tool Length:		61.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				

Tool Comments:

Tool Description	Length (ft)	Serial No	Position	Depth (ft)	Accum Lengths
Recorder	0.00	8647	Fluid	3256.00	
Blank Spacing	5.00			3261.00	
Shut In Tool	5.00			3266.00	
Sampler	2.00			3268.00	
Hydraulic tool	5.00			3273.00	
Jars	5.00			3278.00	
Safety Joint	3.00			3281.00	
Packer	5.00			3286.00	34.00 Bottom of Top Packer
Packer	4.00			3290.00	
Stub	1.00			3291.00	
Recorder	0.00	8017	Inside	3291.00	
Recorder	0.00	8352	Outside	3291.00	
Perforations	23.00			3314.00	
Bullnose	3.00			3317.00	27.00 Bottom Packers & Anchor

Total Tool Length: 61.00



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FLUID SUMMARY

Sam Gary Jr & Assoc. inc.

34-14s-17w Ellis

1515 Wyrkoop St
Suite 700 Denver CO 80202

Bull 1-34

Job Ticket: 44259

DST# 1

ATTN: Tom Fernal

Test Start: 2011.10.15 @22:45:05

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		CI AP:	deg AP:
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	27000 ppm
Viscosity:	55.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	8.77 in ³	Gas Cushion Type:			
Resistivity:	ohm-cm	Gas Cushion Pressure:	psig		
Salinity:	5400.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	MWw/skim of oil, oil in tool	0.842

Total Length: 60.00 ft Total Volume: 0.842 bbl

Num Fluid Samples: 0 Num Gas Bonts: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Resistivity-.31@57deg=27000
Sampler-g=n/a ma=2200nh w=800nh press=40lbs

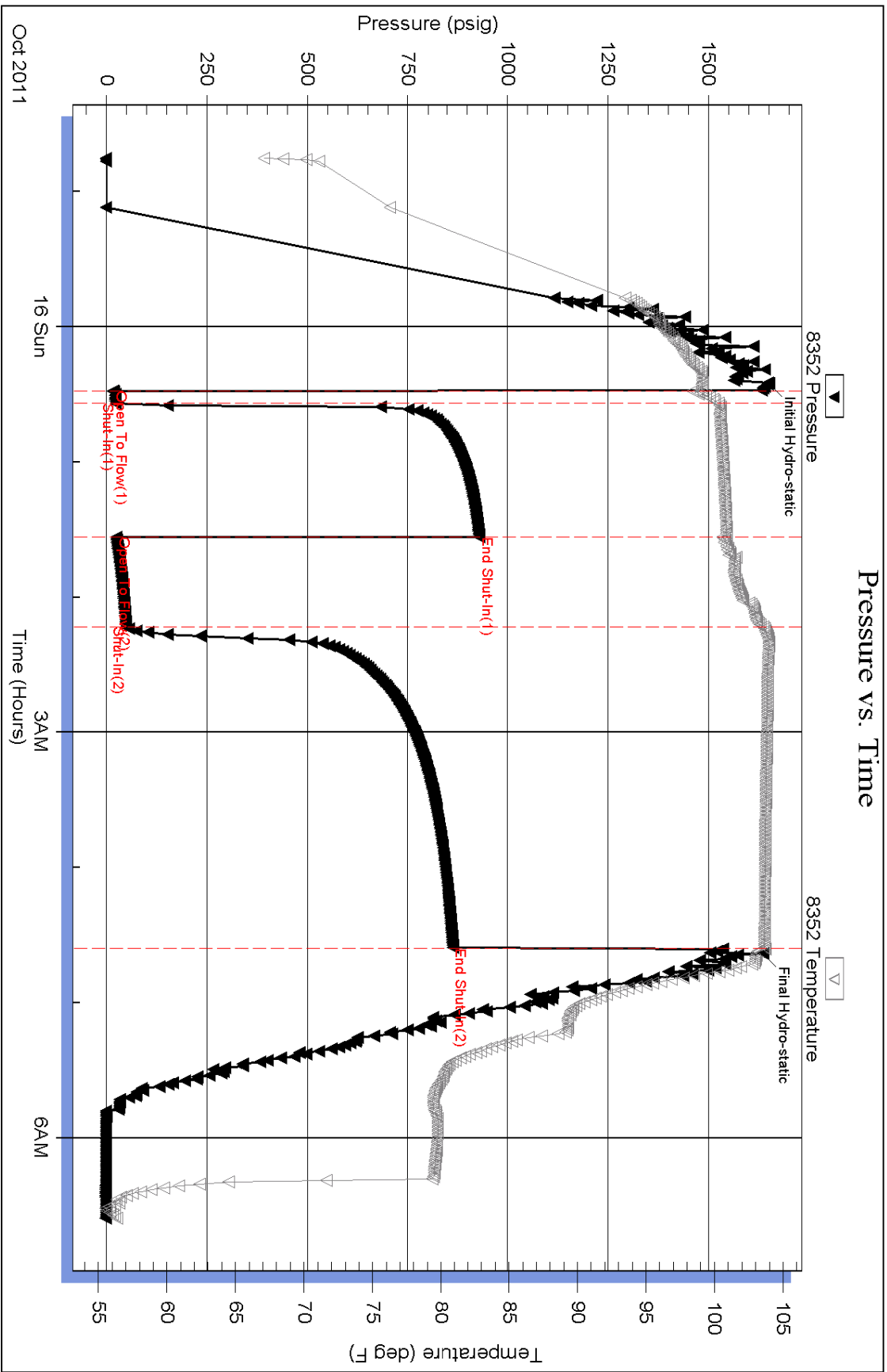
Serial #: 8352

Outside Sam Gary Jr & Assoc. Inc.

Bull 1-34

DST Test Number: 1

Pressure vs. Time



Trioxide Testing, Inc.

Ref. No: 44259

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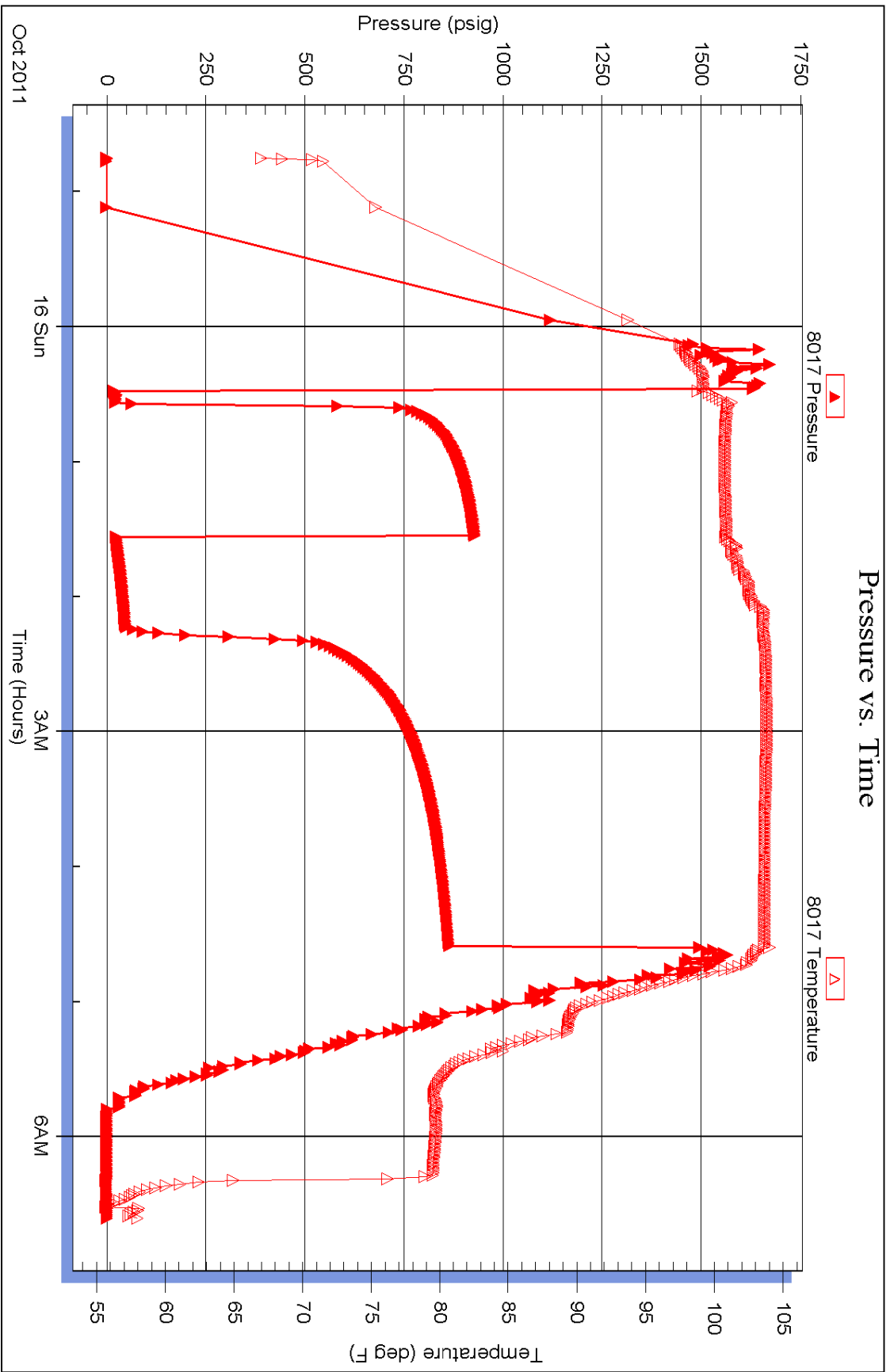
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Inside

Sam Gary Jr & Assoc. Inc.

Bull 1-34

DST Test Number: 1

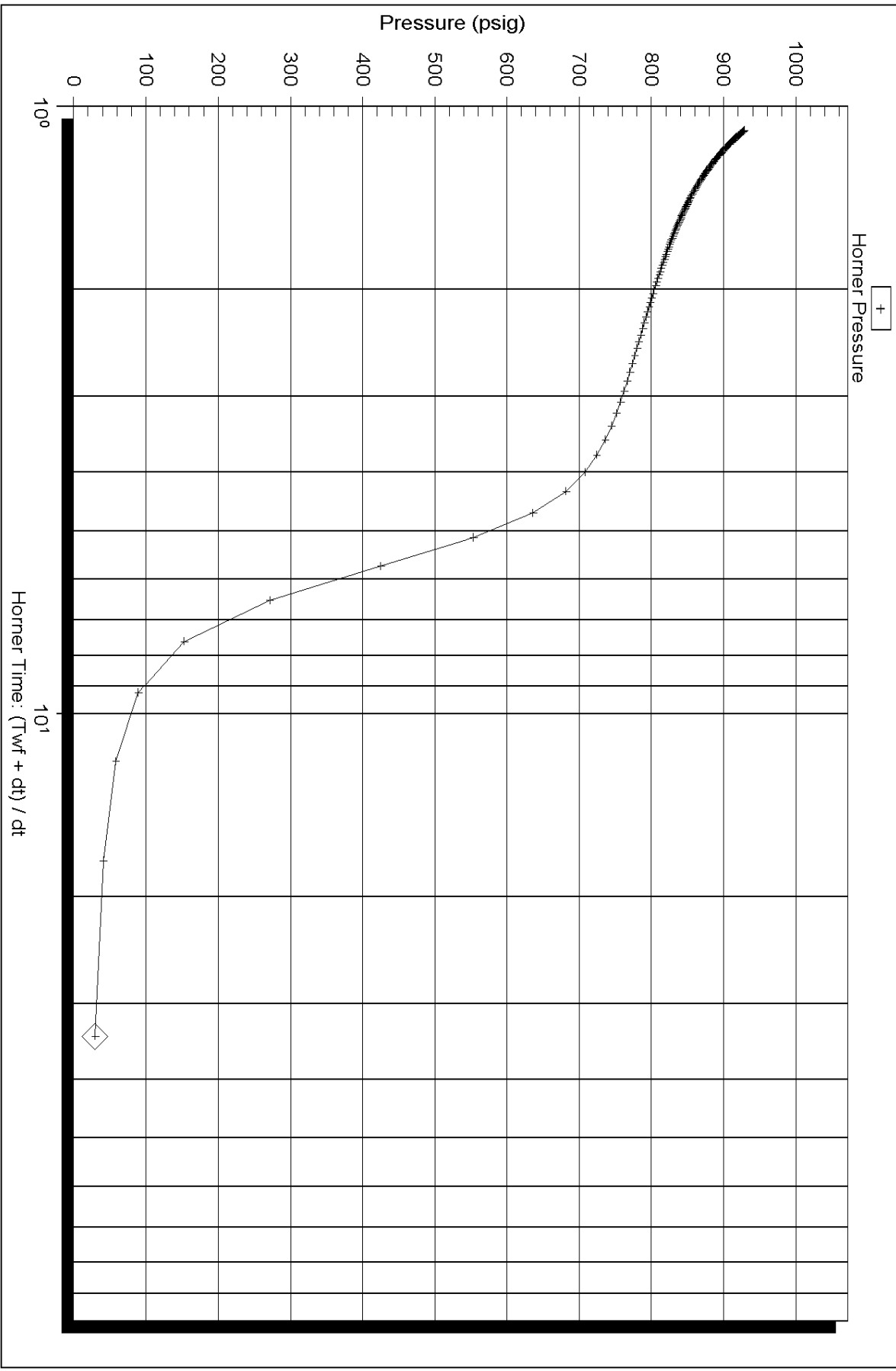


Trioxide Testing, Inc.

Ref. No: 44259

Printed: 2011.10.16 @06:19:29

Horner Plot



Serial Number: 8862 (Outside)

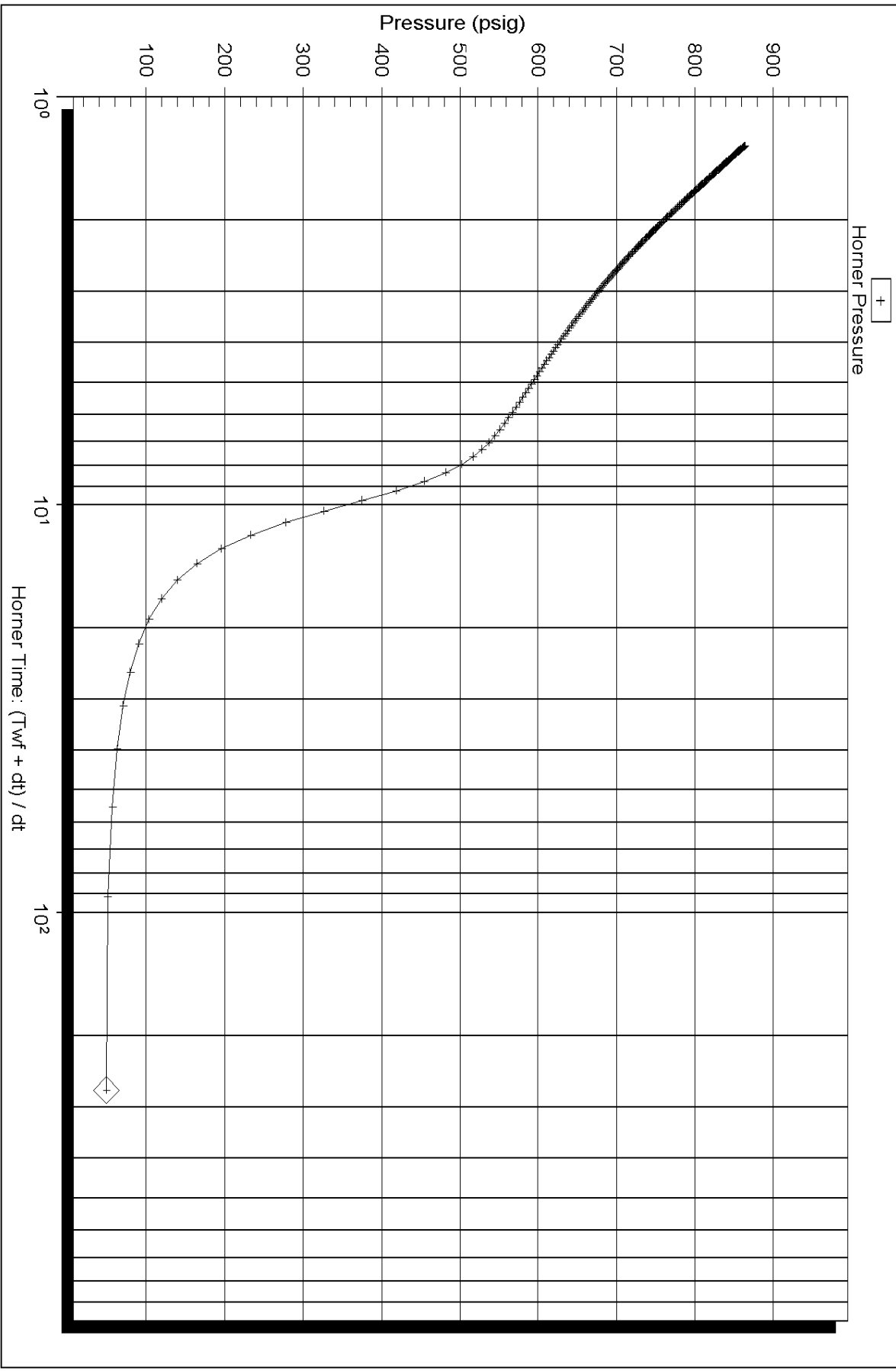
P_w:

Slope (m) : kpa/log cycle

Flow Cycle: 1

Horner Time: (T_{wf} + dt) / dt

Horner Plot



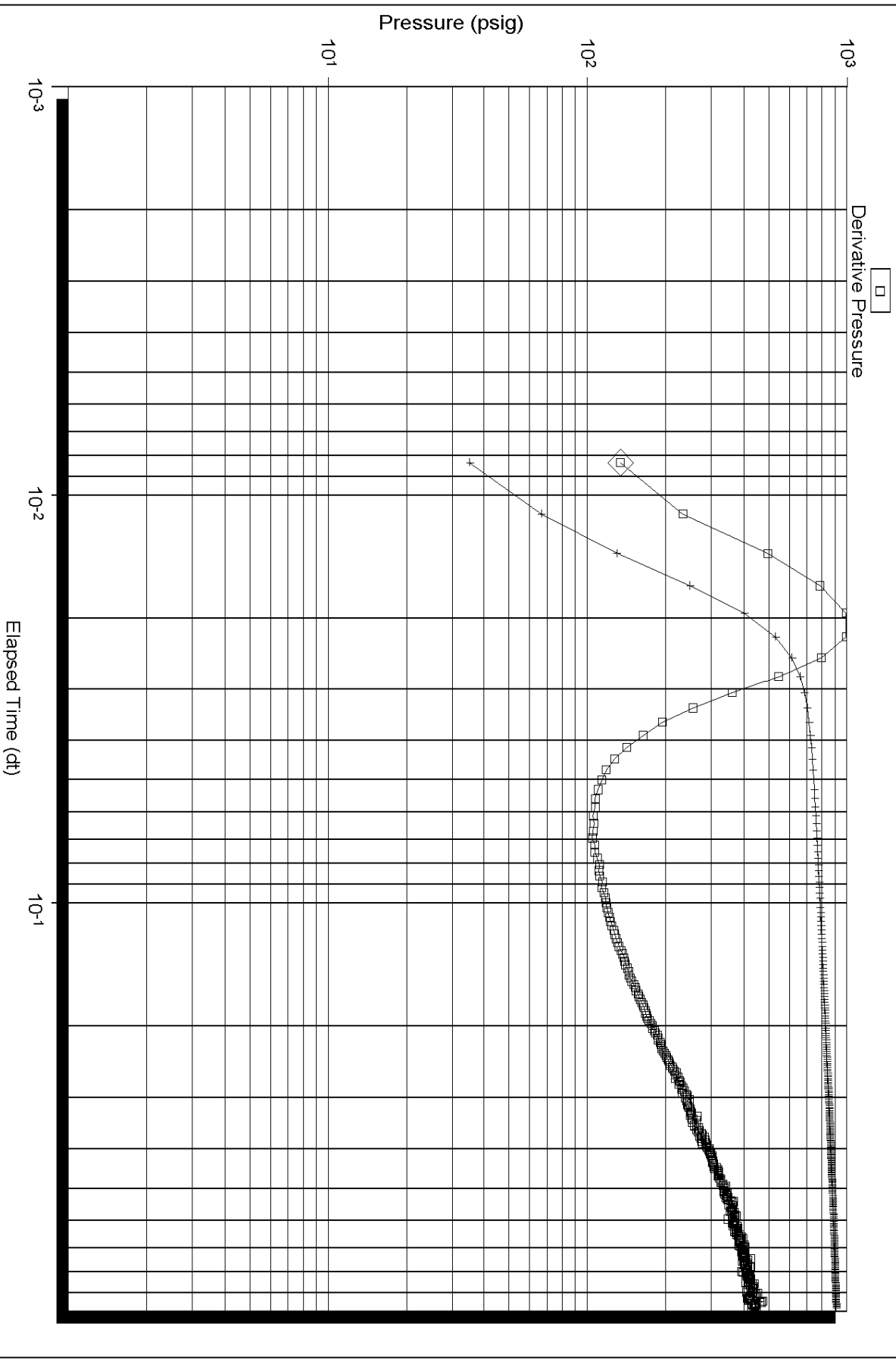
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P_w:

Slope (m) : kpa/log cycle

Flow Cycle: 2

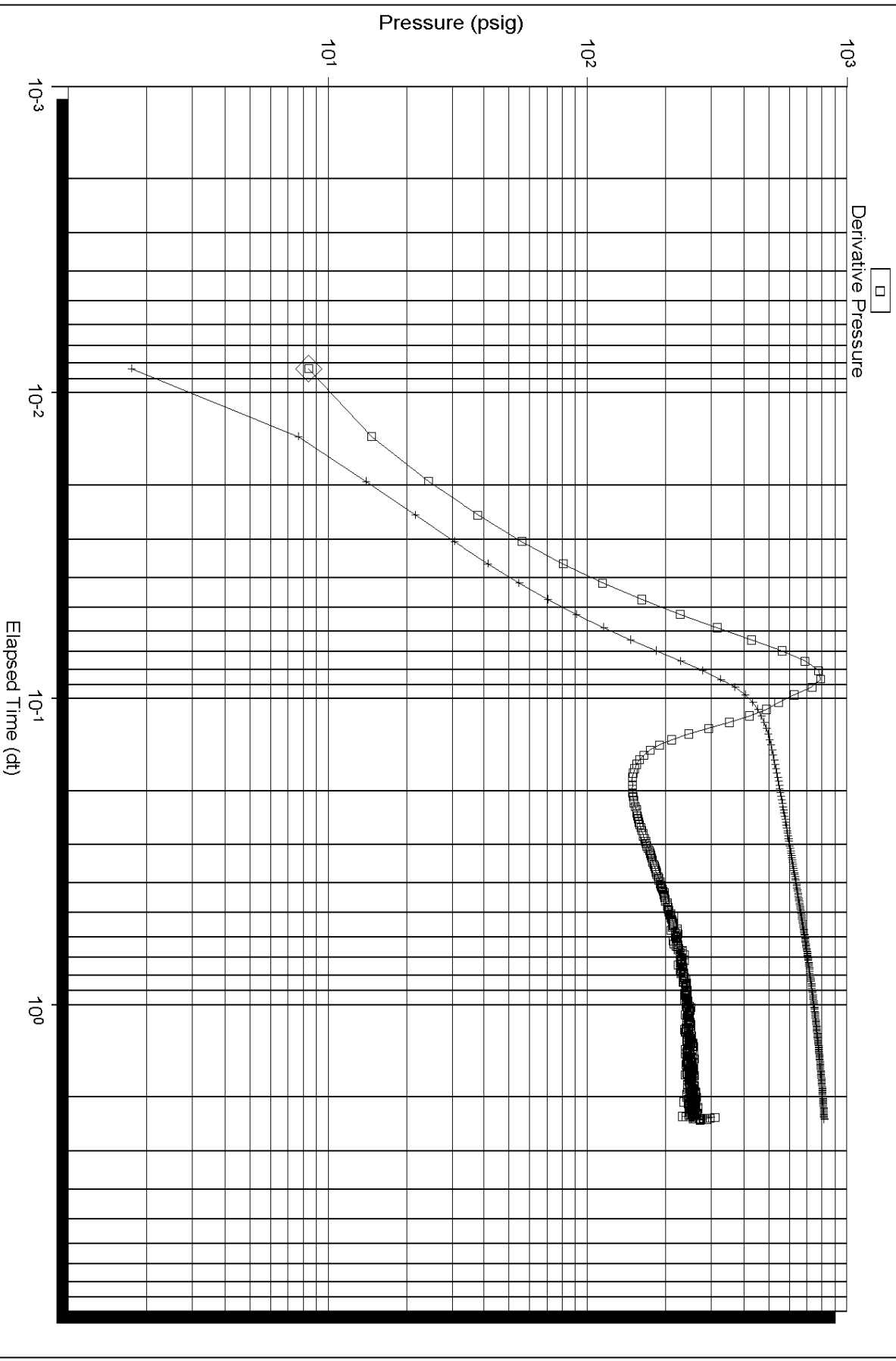
Log-Log and Pseudo-Derivative



Serial Number: 8862 (Outside)

Flow Cycle: 1

Log-Log and Pseudo-Derivative



Serial Number: 8862 (Outside)

Flow Cycle: 2