

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: 2011.10.16 @ 20:15:05

End Date: 2011.10.17 @ 02:52:09

Job Ticket #: 44260 DST #: 2

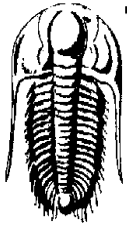
Trilobite Testing Inc

PO Box 362 Hays, KS 67601

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

Printed 2011.10.17 @ 03:11:24

Sam Gary Jr & Assoc. Inc. 34-14s-17w Ellis Bull 1-34 DST # 2 LKC"i,j,k" 2011.10.16



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Sam Gary Jr & Assoc. inc.

1515 Wyrkopp St
Suite 700 Denver CO 80202

ATTN: Tom Fernal

34-14s-17w Ellis

Bull 1-34

Job Ticket: 44260

DST# 2

Test Start: 2011.10.16 @ 20:15:05

GENERAL INFORMATION

Formation: **LK1,JK**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 21:46:20

Time Test Ended: 02:52:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Andy Carneira

Unit No: 39

Interval: **3380.00 ft (KB) To 3431.00 ft (KB) (TVD)**

Total Depth: 3431.00 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: 2640 psig @ 3386.00 ft (KB)

Start Date: 2011.10.16

End Date:

2011.10.17

Capacity: 8000.00 psig

Last Calib.: 2011.10.17

Start Time: 20:15:05

End Time:

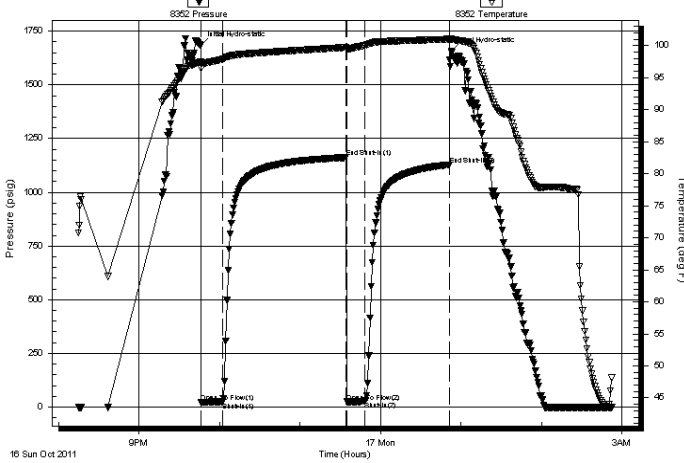
02:52:10

Time On Btm: 2011.10.16 @ 21:46:00

Time Off Btm: 2011.10.17 @ 00:52:29

TEST COMMENT: F:(15min) Weak surface blow
IS(90min) No Return
FF:(15min) No Blow
FS(60min) No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Mh)	Pressure (psig)	Temp (deg F)	Action
0	1685.56	97.46	Initial Hydro-static
1	20.64	96.46	Open To Flow(1)
17	24.44	97.89	Shut-h(1)
109	1161.26	99.75	End Shut-h(1)
109	24.75	99.46	Open To Flow(2)
123	26.40	100.06	Shut-h(2)
185	1128.68	101.02	End Shut-h(2)
187	1657.69	101.02	Final Hydro-static

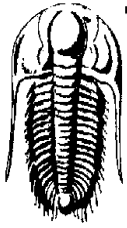
Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud w/ slight oil spks in tool	0.21

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr & Assoc. inc.

1515 Wyrkoop St
Suite 700 Denver CO 80202

ATTN: Tom Fernal

34-14s-17w Ellis

Bull 1-34

Job Ticket: 44260

DST# 2

Test Start: 2011.10.16 @20:15:05

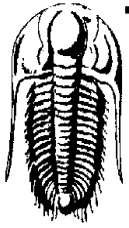
Tool Information

Drill Pipe:	Length: 3353.00 ft	Diameter: 3.80 inches	Volume: 47.03 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: 54000.00 lb
			<u>Total Volume: 47.03 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3380.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	51.00 ft			
Tool Length:	85.00 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	3346.00	
Blank Spacing	5.00			3351.00	
Shut In Tool	5.00			3356.00	
Sampler	2.00			3358.00	
Hydraulic tool	5.00			3363.00	
Jars	5.00			3368.00	
Safety Joint	3.00			3371.00	
Packer	5.00			3376.00	34.00 Bottom of Top Packer
Packer	4.00			3380.00	
Stub	1.00			3381.00	
Perforations	4.00			3385.00	
Change Over Sub	1.00			3386.00	
Recorder	0.00	8017	Inside	3386.00	
Recorder	0.00	8352	Outside	3386.00	
Drill Pipe	31.00			3417.00	
Change Over Sub	1.00			3418.00	
Perforations	10.00			3428.00	
Bullnose	3.00			3431.00	51.00 Bottom Packers & Anchor

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr & Assoc. inc.

34-14s-17w Ellis

1515 Wyrkoop St
Suite 700 Denver CO 80202

Bull 1-34

Job Ticket: 44260

DST# 2

ATTN: Tom Fernal

Test Start: 2011.10.16 @20:15:05

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:	ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	8.77 in ³	Gas Cushion Type:			
Resistivity:	ohm-cm	Gas Cushion Pressure:	psig		
Salinity:	6200.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
15.00	Mud w/ slight oil spots in tool	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler- oil-tr mud-3000rpm press=90lbs

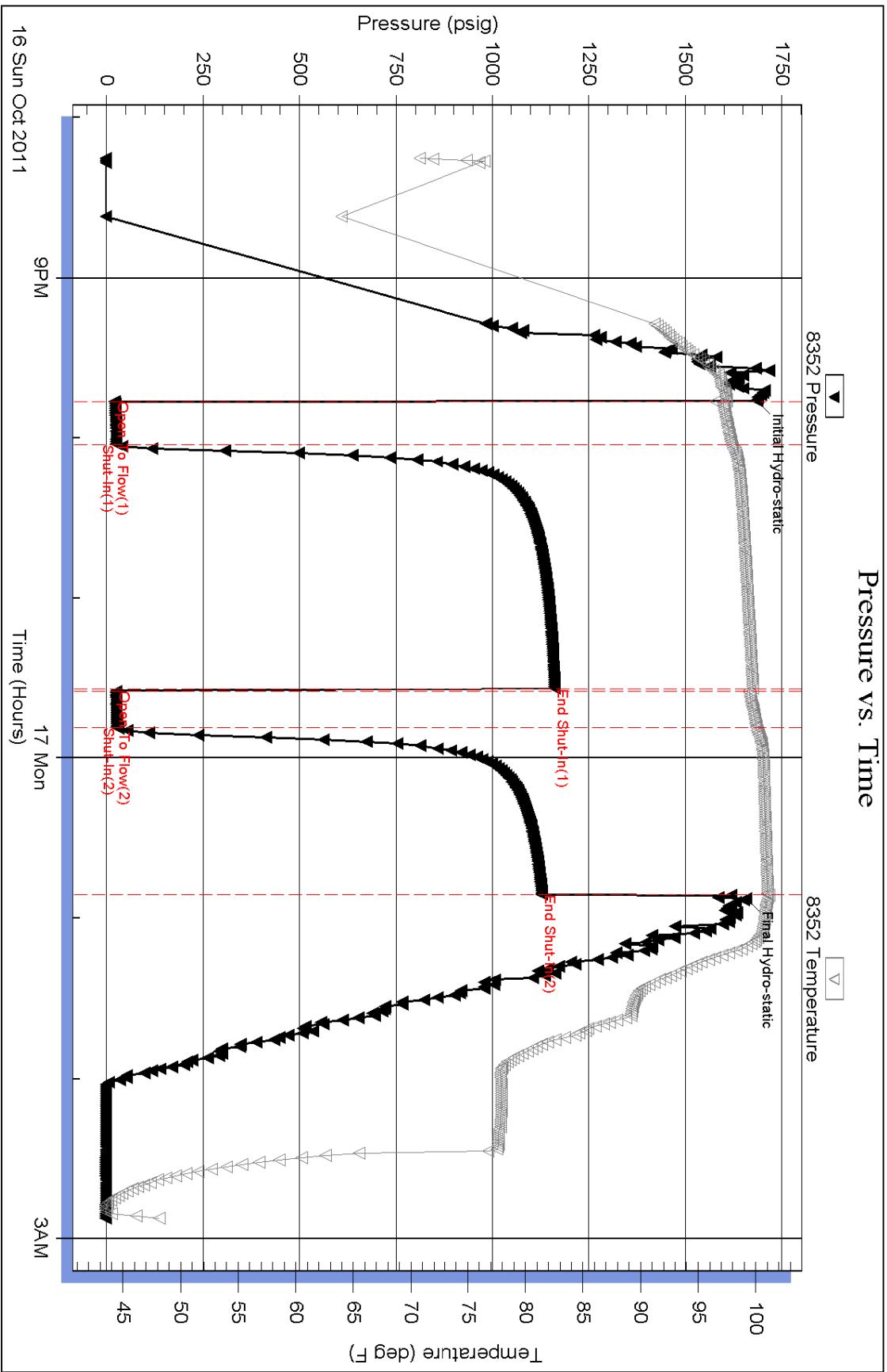
Serial #: 8362

Outside SamGany Jr & Assoc. Inc.

Bull 1-34

DST Test Number: 2

Pressure vs. Time



Trioxide Testing, Inc.

Ref. No: 44260

Printed: 2011.10.17 @03:11:29

Serial #: 8017

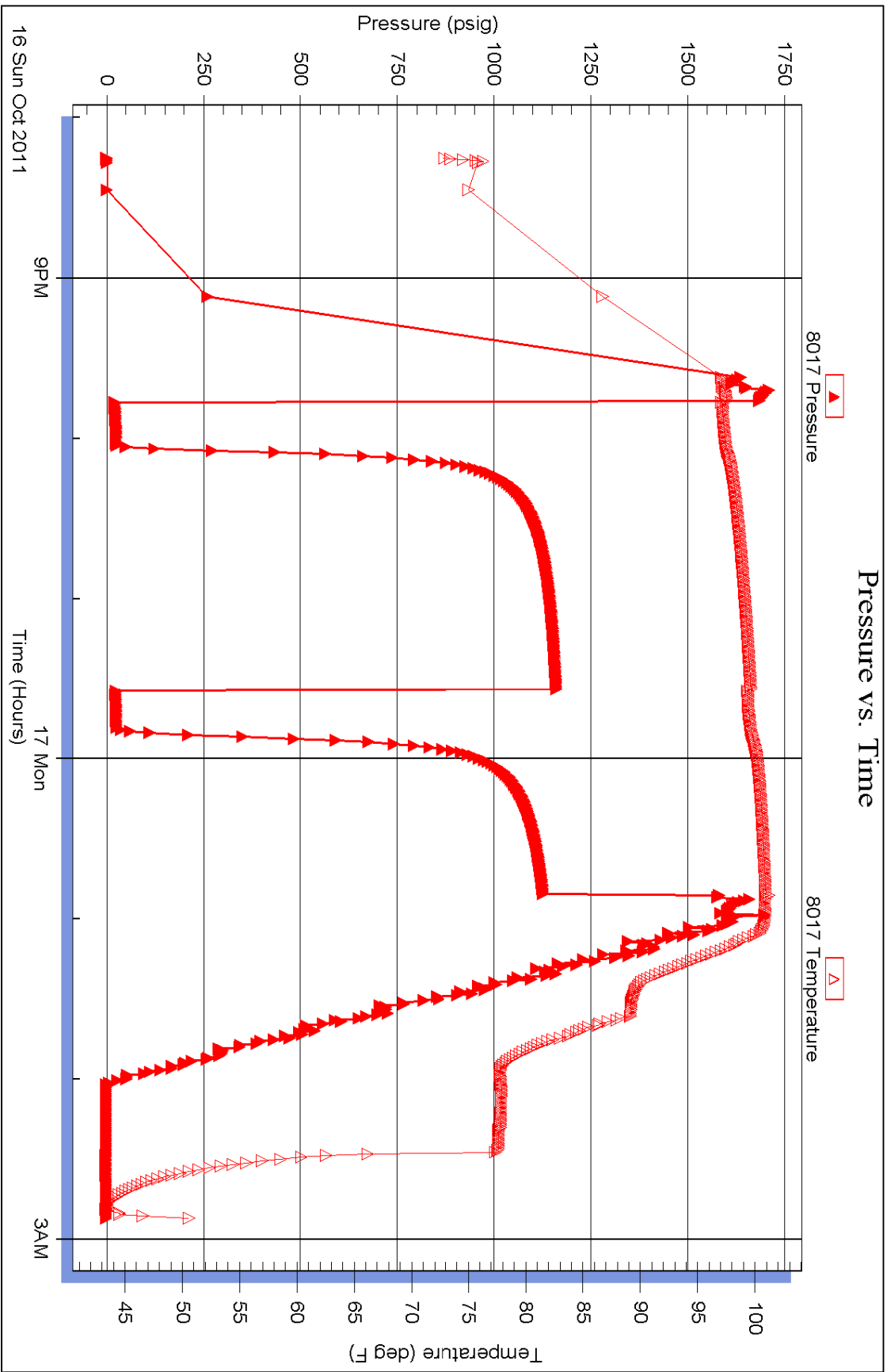
Inside

Sam Gary Jr & Assoc. Inc.

Bull 1-34

DST Test Number: 2

Pressure vs. Time



Trioxide Testing, Inc.

Ref. No: 44260

Printed: 2011.10.17 @03:11:31

Serial #: 8647

Fluid

Sam Gary Jr & Assoc. Inc.

Bull 1-34

DST Test Number: 2

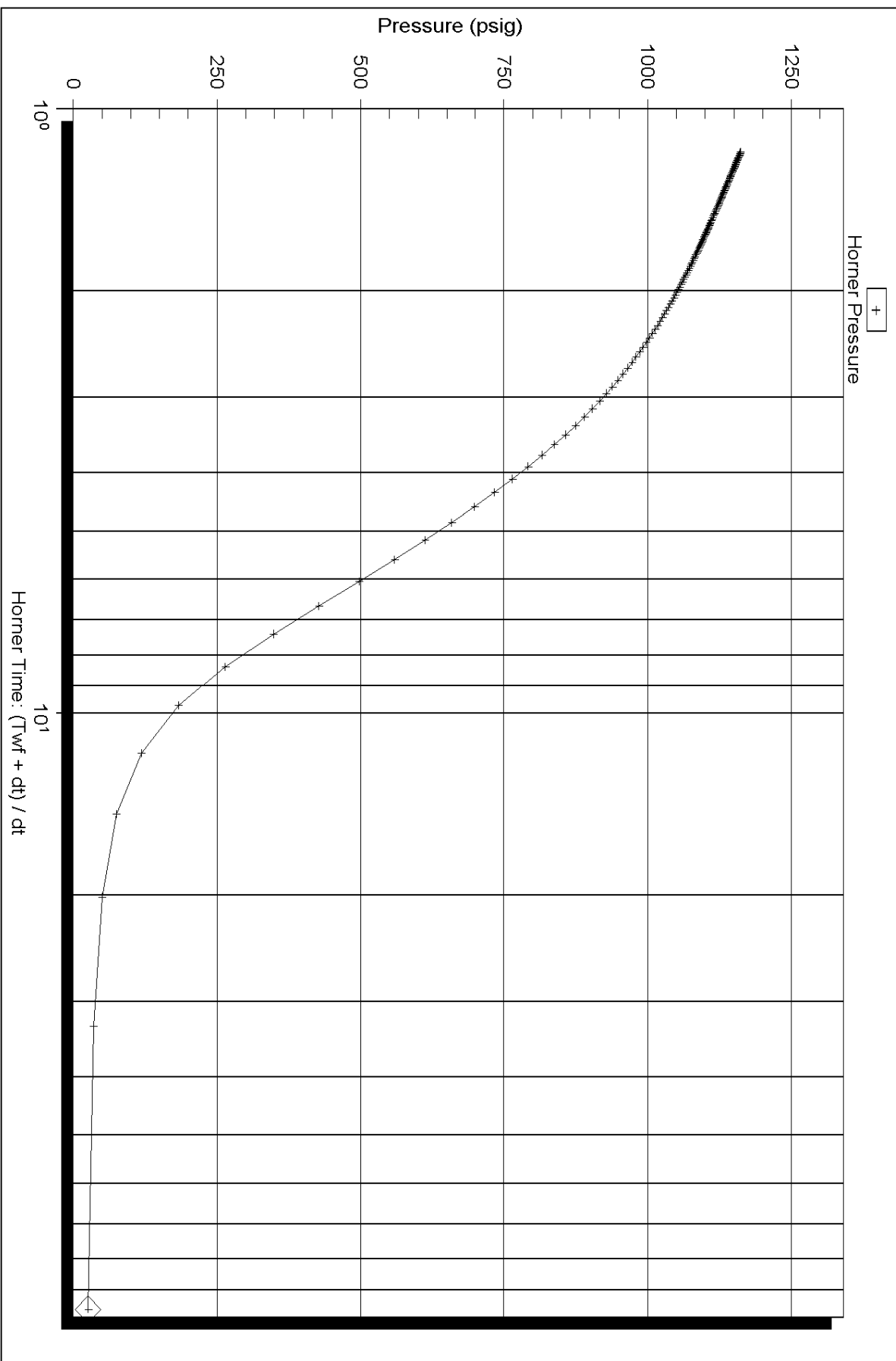


Trioxide Testing, Inc.

Ref. No: 44260

Printed: 2011.10.17 @03:11:36

Horner Plot



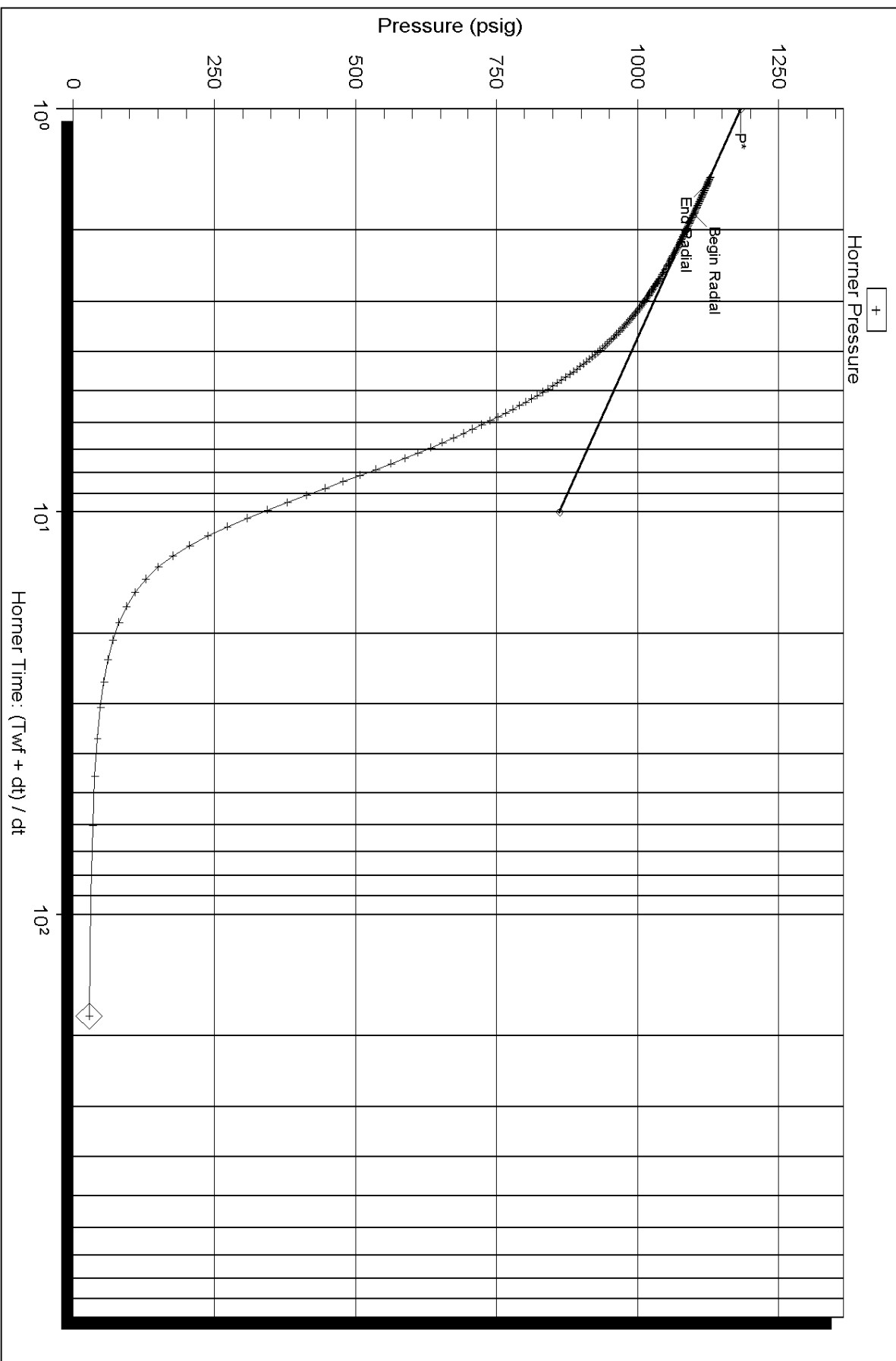
Serial Number: 8862 (Outside)

P* :

Slope (m) : kpa/log cycle

Flow Cycle: 1

Horner Plot



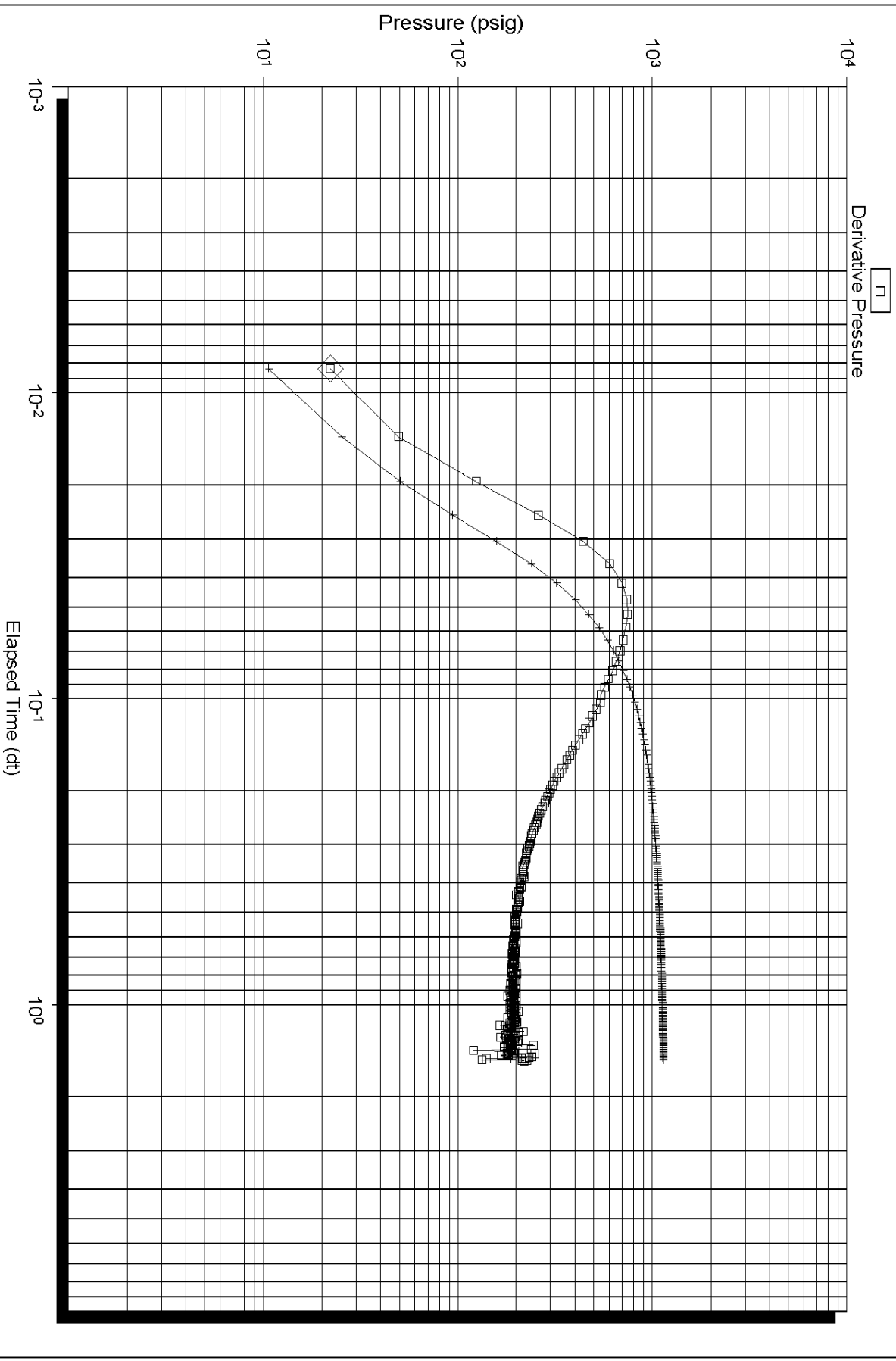
Serial Number: 8862 (Outside)

P* : 1182.73

Slope (m) : 320.65 kpa/1og cycle

Flow Cycle: 2

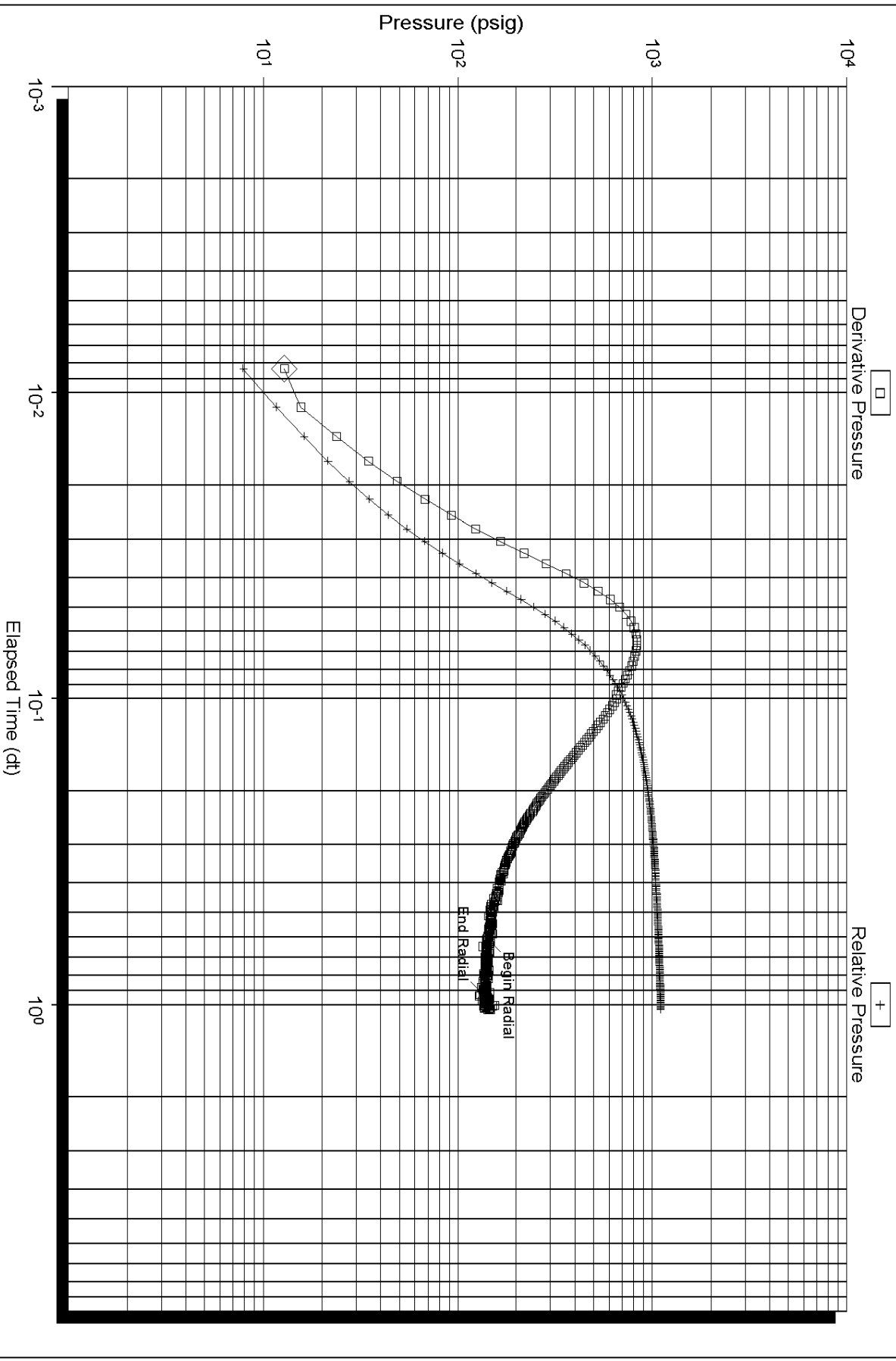
Log-Log and Pseudo-Derivative



Serial Number: 8862 (Outside)

Flow Cycle: 1

Log-Log and Pseudo-Derivative



Serial Number: 8862 (Outside)

Flow Cycle: 2