

DRILL STEM TEST REPORT

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

1515 Wynkoop, ste 700
Denver Co. 80202

ATTN: Tom Fertal

25-16s-16w Rush co.

Maier-Schneider #1-25

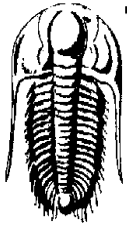
Start Date: 2010.07.25 @ 16:15:01

End Date: 2010.07.26 @ 00:19:30

Job Ticket #: 039892 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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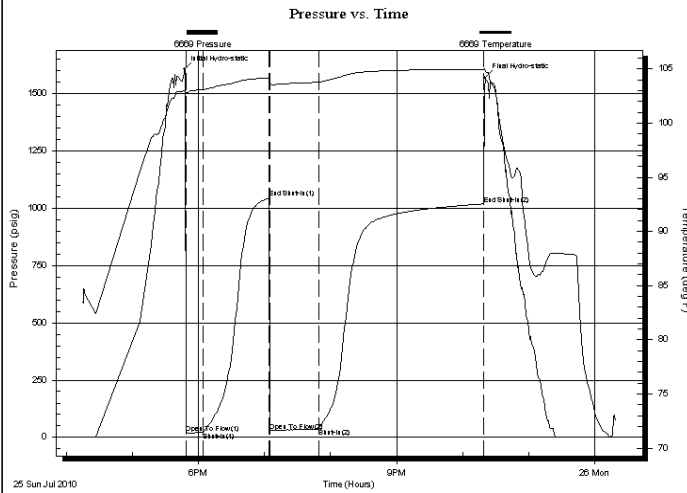
Maier-Schneider #1-25
25-16s-16w Rush co.
 Job Ticket: 039892 **DST#: 2**
 Test Start: 2010.07.25 @ 16:15:01

GENERAL INFORMATION:

Formation: **LKC-F & upper G**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:48:45
 Time Test Ended: 00:19:30
 Test Type: Conventional Bottom Hole
 Tester: Andy Carreira
 Unit No: 53
 Interval: **3310.00 ft (KB) To 3335.00 ft (KB) (TVD)**
 Total Depth: 3284.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Reference Elevations: 1974.00 ft (KB)
 1966.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6669 Outside
 Press@RunDepth: 38.89 psig @ 3311.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.07.25 End Date: 2010.07.26 Last Calib.: 2010.07.26
 Start Time: 16:15:01 End Time: 00:19:30 Time On Btm: 2010.07.25 @ 17:47:15
 Time Off Btm: 2010.07.25 @ 22:20:15

TEST COMMENT: IF: BOB, 10 min
 IS: No return
 FF: BOB, immediately
 FS: No return



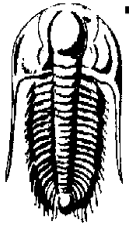
PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1605.07	103.02	Initial Hydro-static
2	19.72	102.73	Open To Flow (1)
18	24.45	103.09	Shut-In(1)
77	1043.39	104.18	End Shut-In(1)
78	28.51	103.68	Open To Flow (2)
122	38.89	103.77	Shut-In(2)
272	1017.87	104.94	End Shut-In(2)
273	1569.63	104.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	OCGM o=30% g=10% m=50%	0.98
0.00	744 ft GIP	0.00

Gas Rates

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



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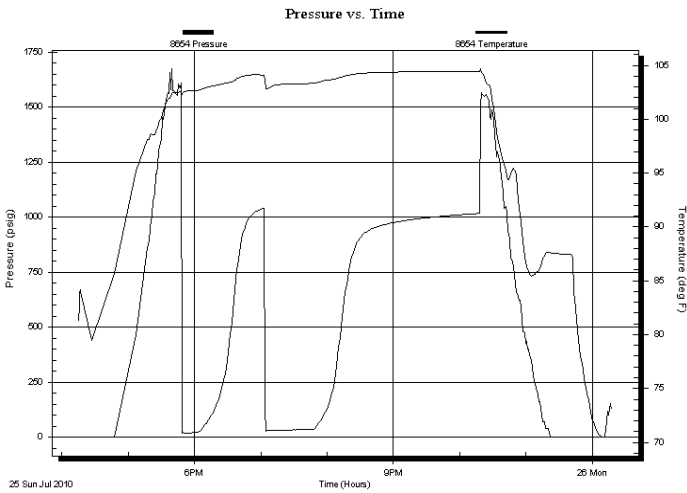
Maier-Schneider #1-25
25-16s-16w Rush co.
 Job Ticket: 039892 **DST#: 2**
 Test Start: 2010.07.25 @ 16:15:01

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 Total Depth: 3284.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Andy Carreira
 Unit No: 53
 Reference Elevations: 1974.00 ft (KB)
 1966.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8654 **Inside**
 Press@RunDepth: psig @ 3311.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.07.25 End Date: 2010.07.26 Last Calib.: 2010.07.26
 Start Time: 16:15:01 End Time: 00:18:00 Time On Btm:
 Time Off Btm:

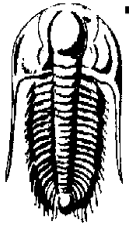
TEST COMMENT: IF: BOB, 10 min
 IS: No return
 FF: BOB, immediately
 FS: No return



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
70.00	OCGM o=30% g=10% m=50%	0.98
0.00	744 ft GIP	0.00

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



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr & Assoc. inc

Maier-Schneider #1-25

1515 Wynkoop, ste 700
Denver Co. 80202

25-16s-16w Rush co.

Job Ticket: 039892

DST#: 2

ATTN: Tom Fertal

Test Start: 2010.07.25 @ 16:15:01

Tool Information

Drill Pipe:	Length: 3286.00 ft	Diameter: 3.80 inches	Volume: 46.09 bbl	Tool Weight: 3500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 62000.00 lb
			<u>Total Volume: 46.09 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3310.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3283.00	
Shut In Tool	5.00			3288.00	
Hydraulic tool	5.00			3293.00	
Jars	5.00			3298.00	
Safety Joint	3.00			3301.00	
Packer	5.00			3306.00	28.00 Bottom Of Top Packer
Packer	4.00			3310.00	
Stubb	1.00			3311.00	
Recorder	0.00	8654	Inside	3311.00	
Recorder	0.00	6669	Outside	3311.00	
Perforations	21.00			3332.00	
Bullnose	3.00			3335.00	25.00 Bottom Packers & Anchor

Total Tool Length: 53.00



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FLUID SUMMARY

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Job Ticket: 039892 **DST#: 2**
Test Start: 2010.07.25 @ 16:15:01

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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6700.00 ppm			
Filter Cake: inches			

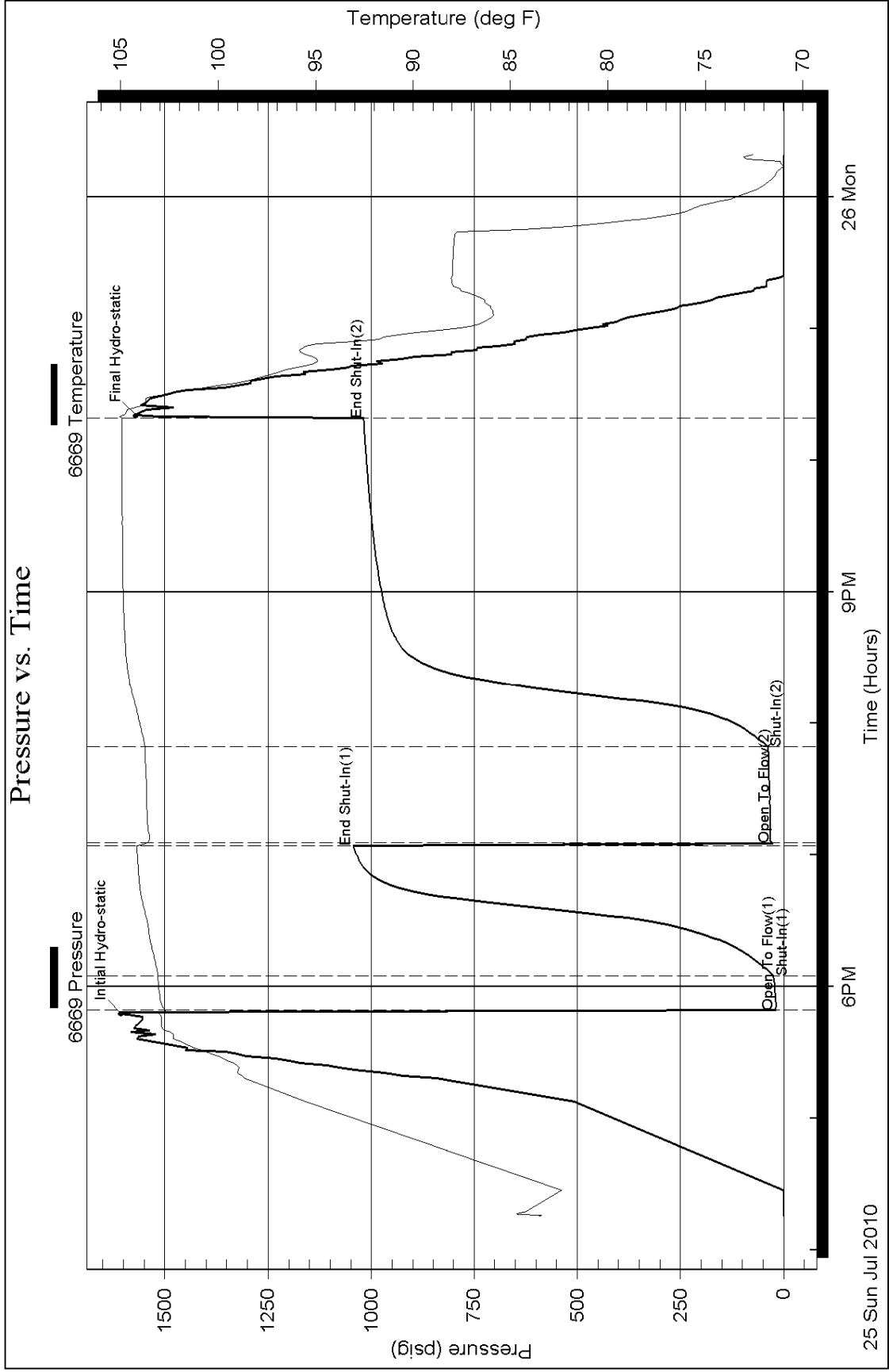
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	OCGM o=30% g=10% m=50%	0.982
0.00	744 ft GIP	0.000

Total Length: 70.00 ft Total Volume: 0.982 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time



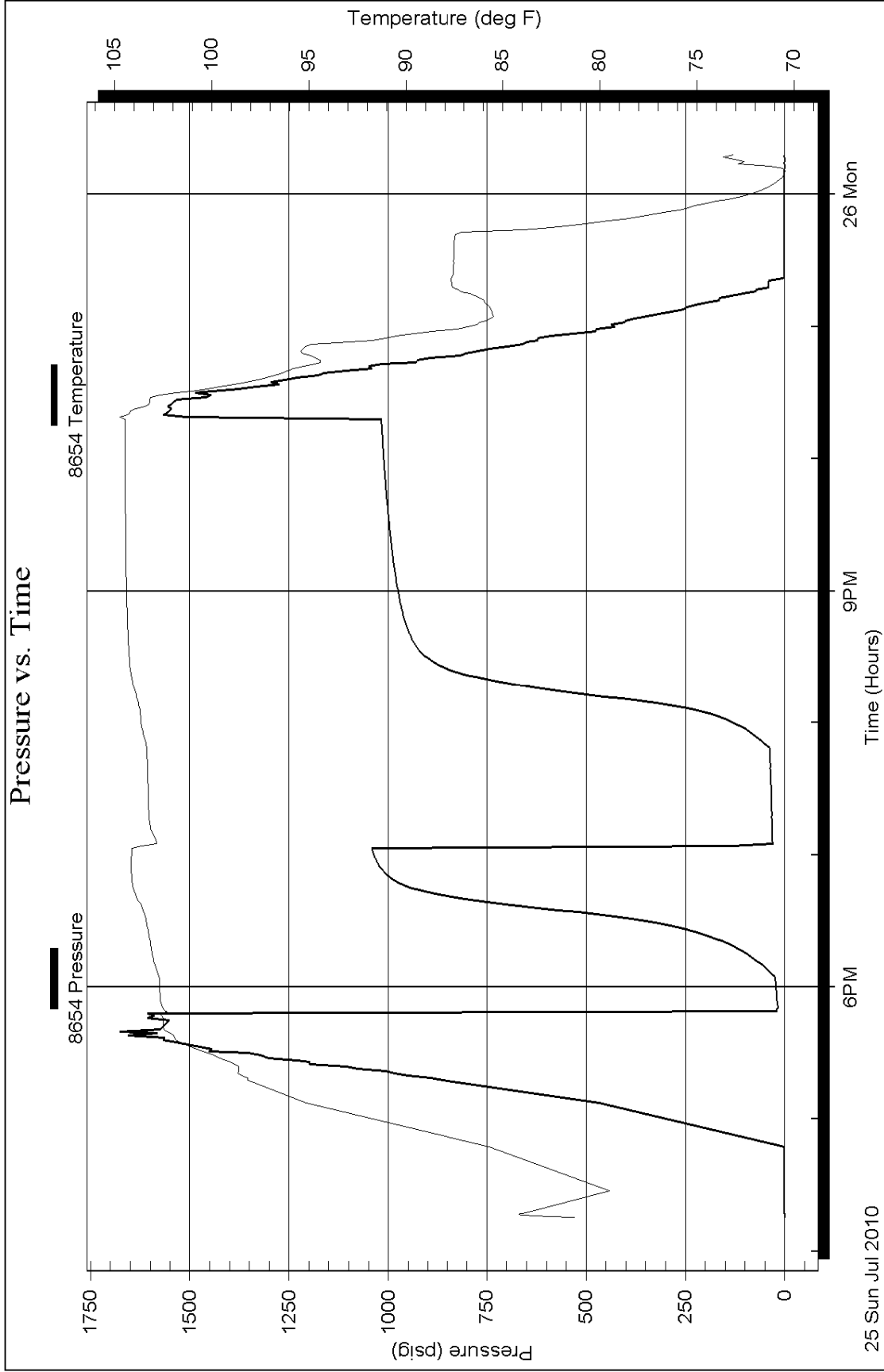
Serial #: 8654

Inside

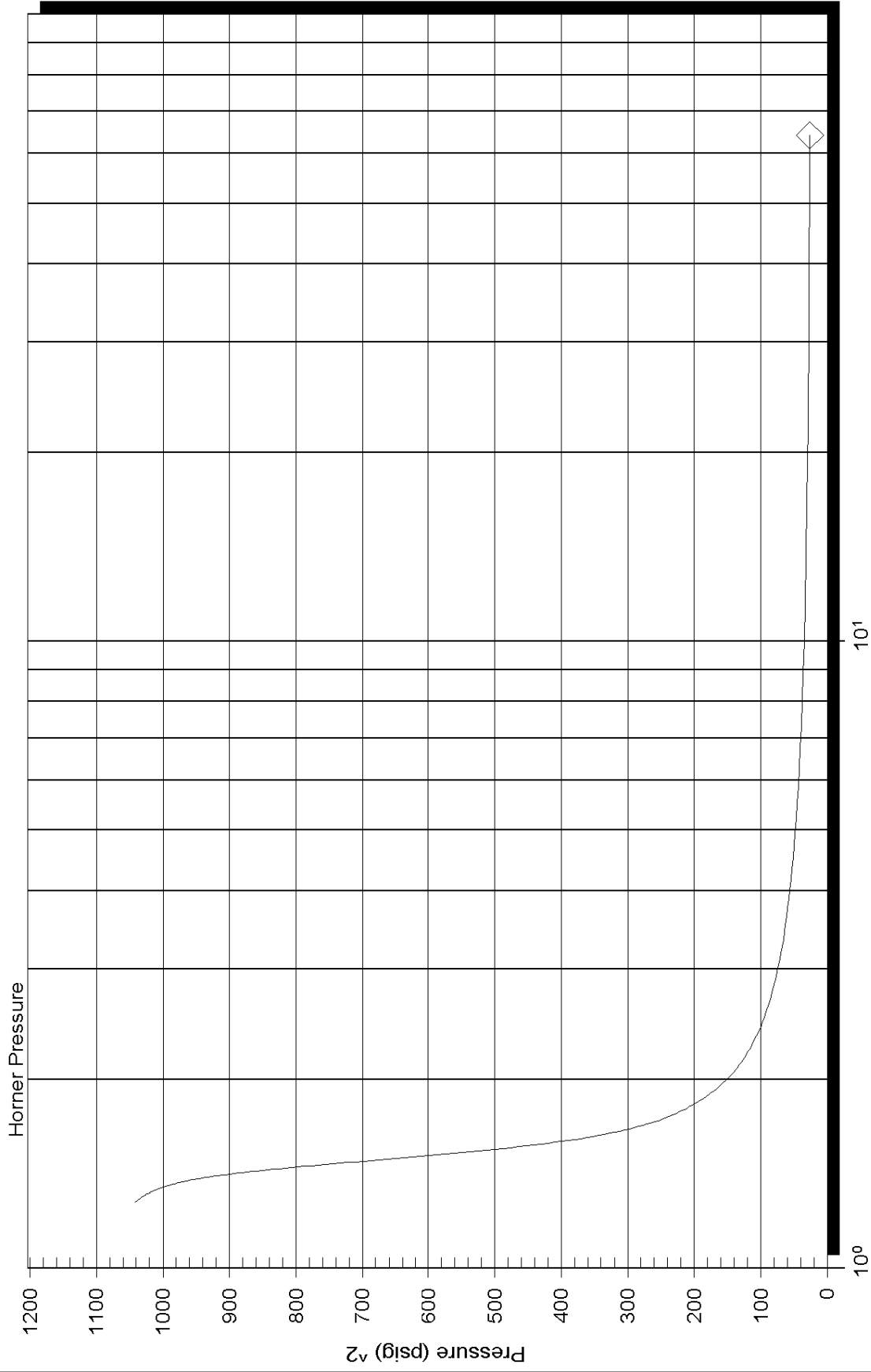
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DST Test Number: 2



Horner Plot



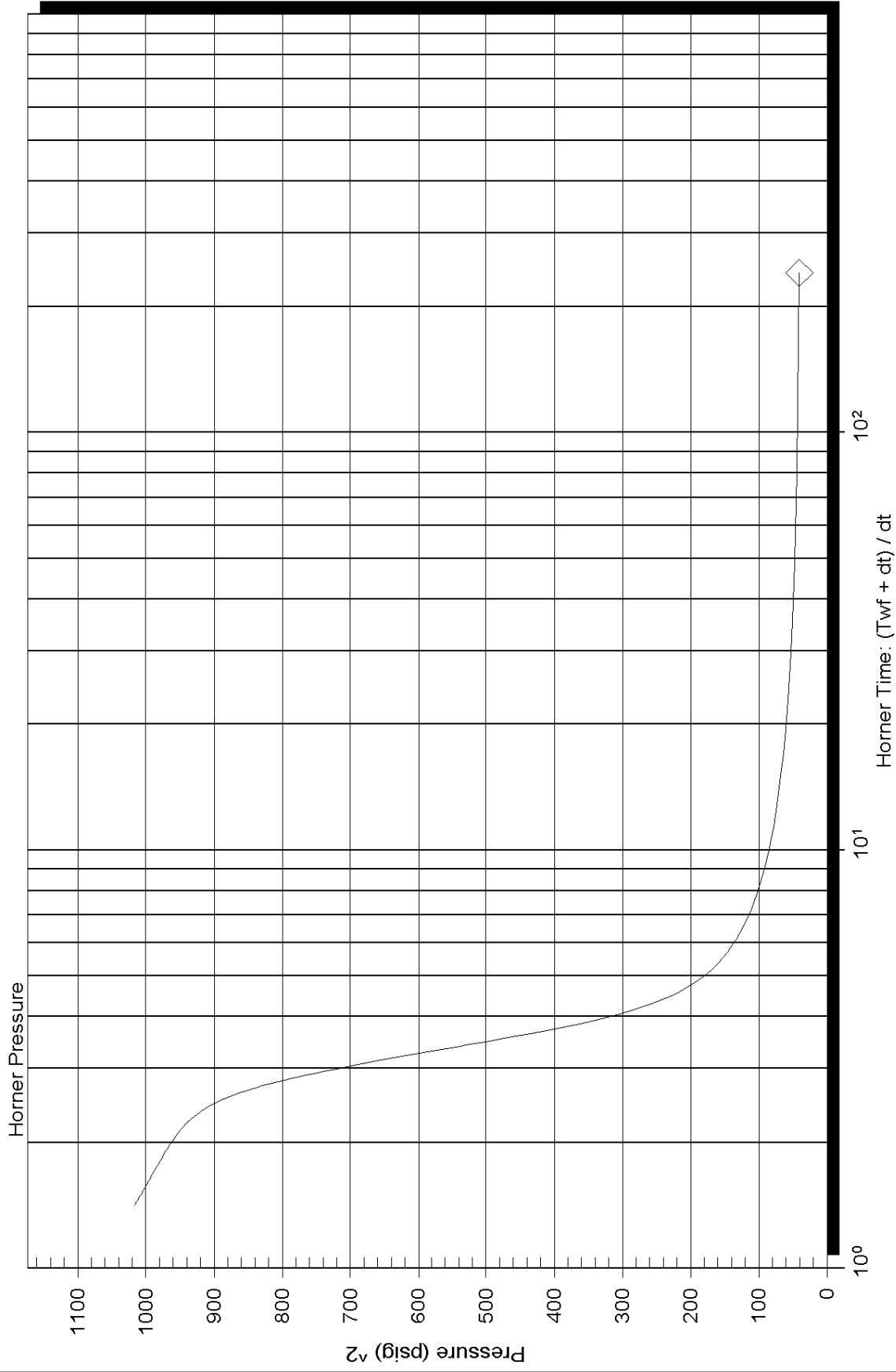
Serial Number: 6669 (Outside)

P* :

Slope (m) : kpa/log cycle

Flow Cycle: 1

Horner Plot

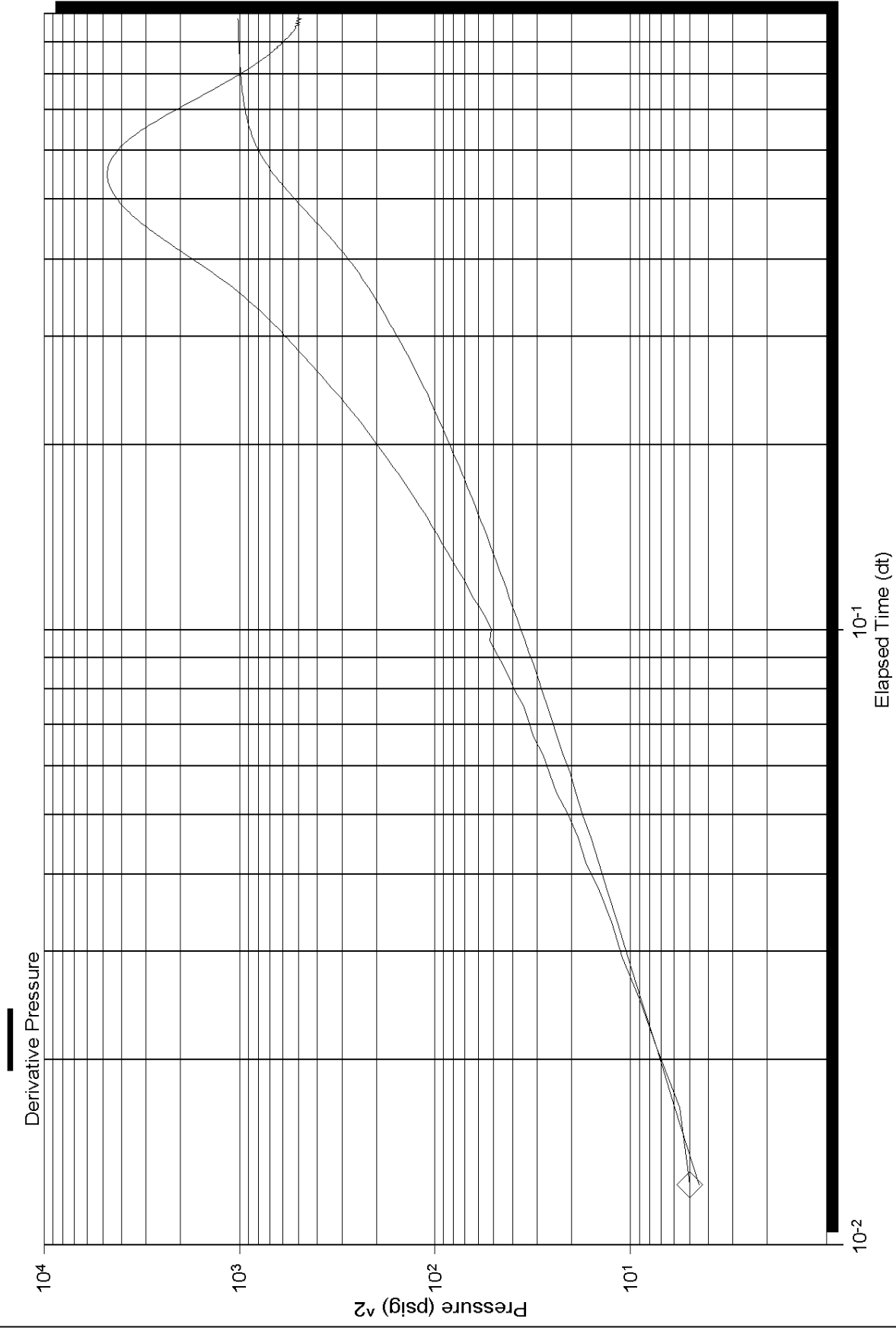


Serial Number: 6669 (Outside)

P* : Slope (m) : kpa/log cycle

Flow Cycle: 2

Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative

