

## DRILL STEM TEST REPORT

Prepared For: **Sam Gary**

1515 Wynkoop St  
Suite 700  
Denver, CO 80202

ATTN: Clayton Camozzi

**8-16s-16w/Rush**

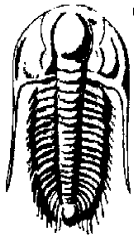
**Dome Living Trust #1-8**

Start Date: 2010.06.08 @ 14:20:54

End Date: 2010.06.08 @ 22:35:24

Job Ticket #: 38673                      DST #: 3

Trilobite Testing, Inc  
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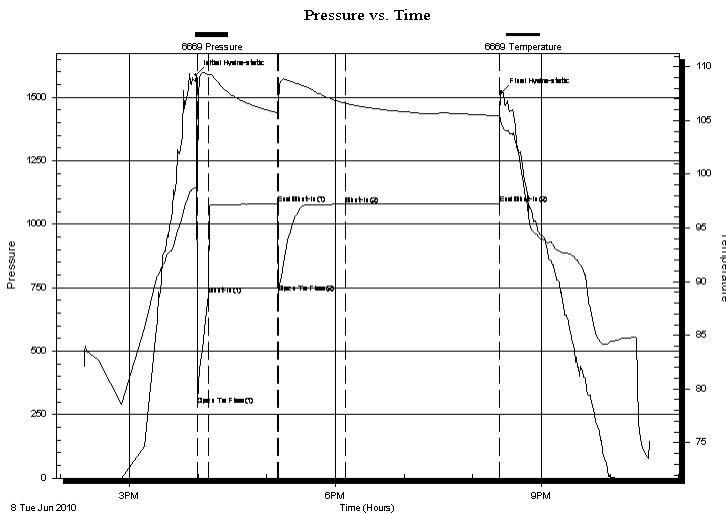
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**8-16s-16w/Rush**  
Job Ticket: 38673 **DST#: 3**  
Test Start: 2010.06.08 @ 14:20:54

## GENERAL INFORMATION:

Formation: **LKC "G"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 15:59:24  
Time Test Ended: 22:35:24  
Interval: **3270.00 ft (KB) To 3322.00 ft (KB) (TVD)**  
Total Depth: 3322.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole  
Tester: Tyson Flax  
Unit No: 44  
Reference Elevations: 1940.00 ft (KB)  
1930.00 ft (CF)  
KB to GR/CF: 10.00 ft

**Serial #: 6669 Inside**  
Press @ Run Depth: 1078.42 psig @ 3274.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2010.06.08 End Date: 2010.06.08 Last Calib.: 2010.06.08  
Start Time: 14:20:55 End Time: 22:35:24 Time On Btm: 2010.06.08 @ 15:58:24  
Time Off Btm: 2010.06.08 @ 20:25:24

**TEST COMMENT:** IFP-BOB in 1 min  
ISI-Blow back built to 8"  
FFP-BOB in 40 sec died to 2"  
FSI-no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1588.78	98.77	Initial Hydro-static
1	287.28	98.92	Open To Flow (1)
11	720.45	109.27	Shut-In(1)
71	1079.15	105.70	End Shut-In(1)
72	727.94	105.46	Open To Flow (2)
131	1078.42	106.60	Shut-In(2)
265	1079.76	105.44	End Shut-In(2)
267	1518.13	104.64	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1800.00	Water	25.52
300.00	WM 50-30%W,50-70%M	4.25
60.00	Mud w /scum of oil	0.85
5.00	OCM 10%O,90%M	0.07

## Gas Rates

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



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**TOOL DIAGRAM**

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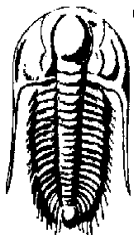
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**Tool Information**

Drill Pipe:	Length: 3259.00 ft	Diameter: 3.82 inches	Volume: 46.20 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 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: 70000.00 lb
			<u>Total Volume: 46.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3270.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	80.00 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			3243.00	
Shut In Tool	5.00			3248.00	
Hydraulic tool	5.00			3253.00	
Jars	5.00			3258.00	
Safety Joint	2.00			3260.00	
Packer	5.00			3265.00	28.00      Bottom Of Top Packer
Packer	5.00			3270.00	
Stubb	1.00			3271.00	
Perforations	2.00			3273.00	
Change Over Sub	1.00			3274.00	
Recorder	0.00	6668	Inside	3274.00	
Recorder	0.00	6669	Inside	3274.00	
Blank Spacing	31.00			3305.00	
Change Over Sub	1.00			3306.00	
Perforations	13.00			3319.00	
Bullnose	3.00			3322.00	52.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>80.00</b>				



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**FLUID SUMMARY**

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## Mud and Cushion Information

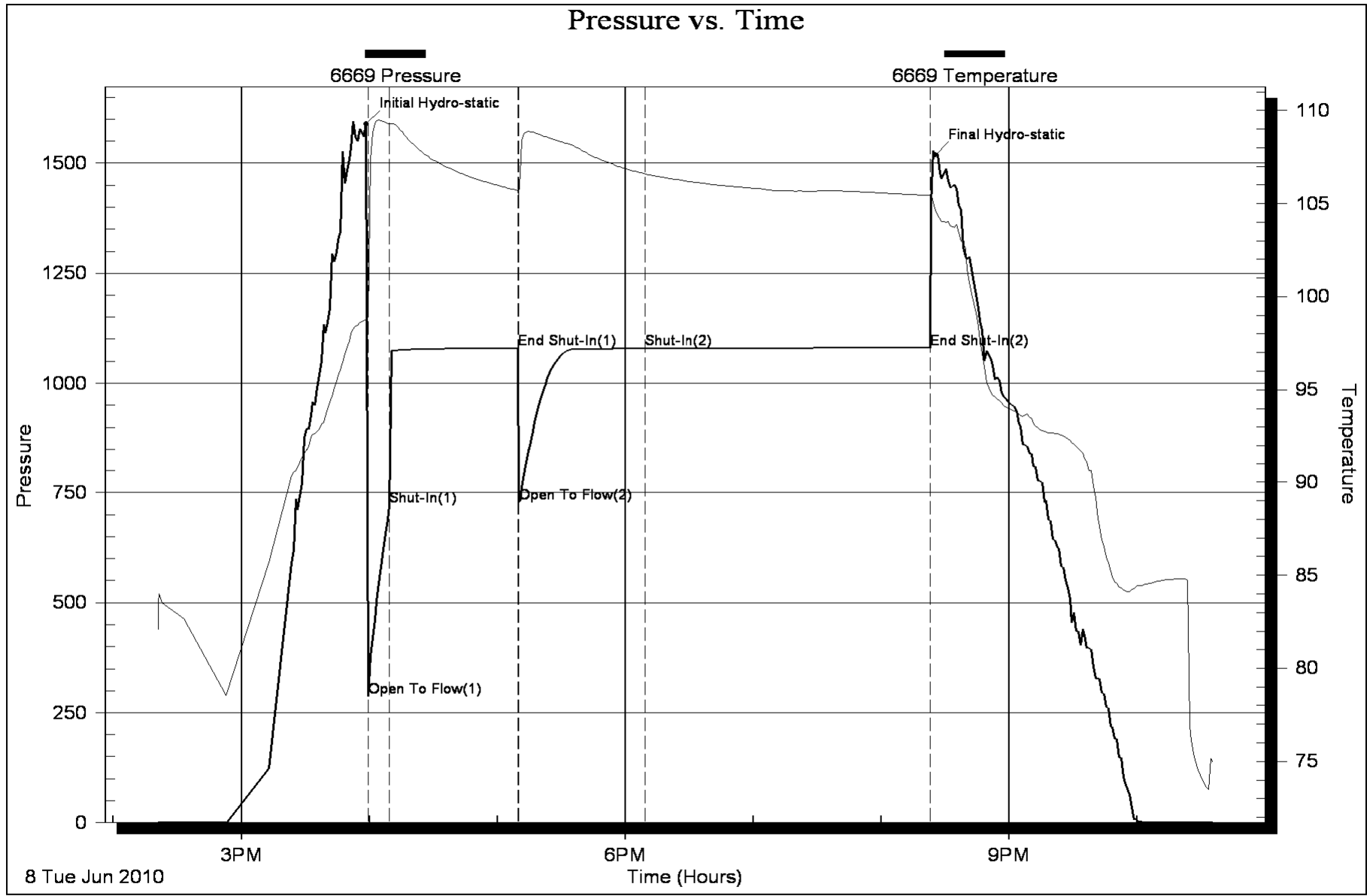
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	75000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4300.00 ppm			
Filter Cake: inches			

## Recovery Information

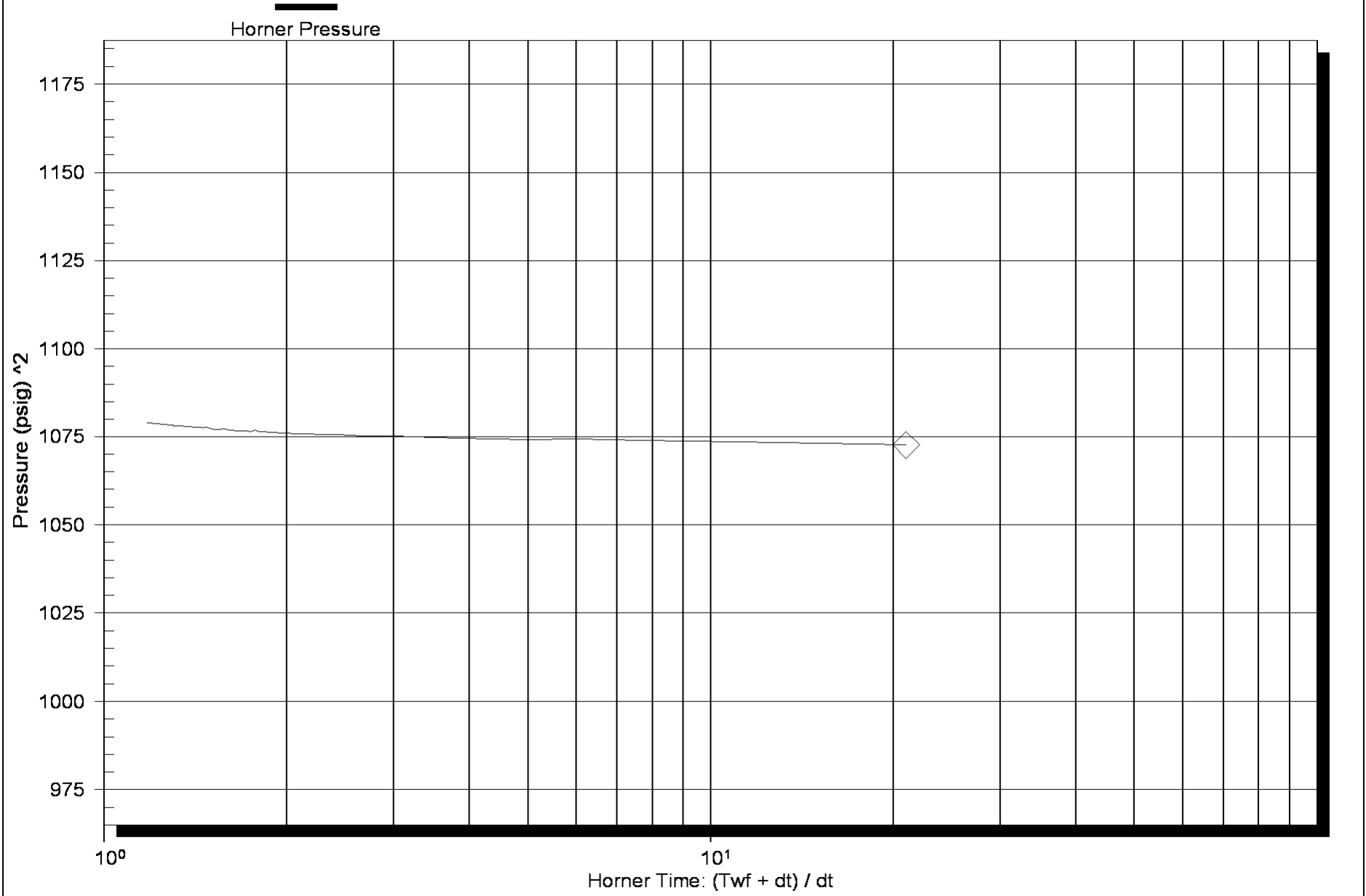
Recovery Table

Length ft	Description	Volume bbl
1800.00	Water	25.516
300.00	WM 50-30%W,50-70%M	4.253
60.00	Mud w /scum of oil	0.851
5.00	OCM 10%O,90%M	0.071

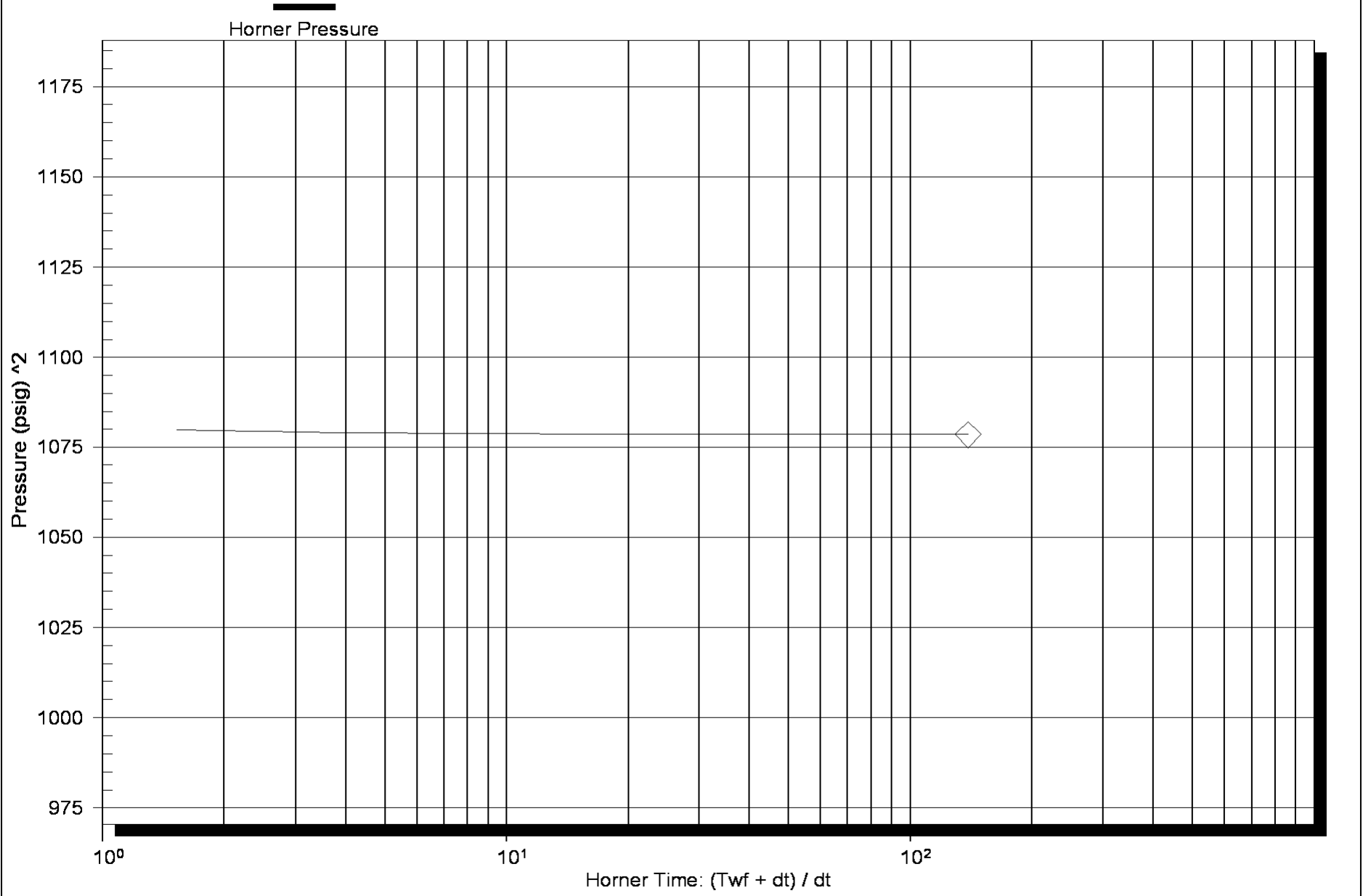
Total Length: 2165.00 ft      Total Volume: 30.691 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:



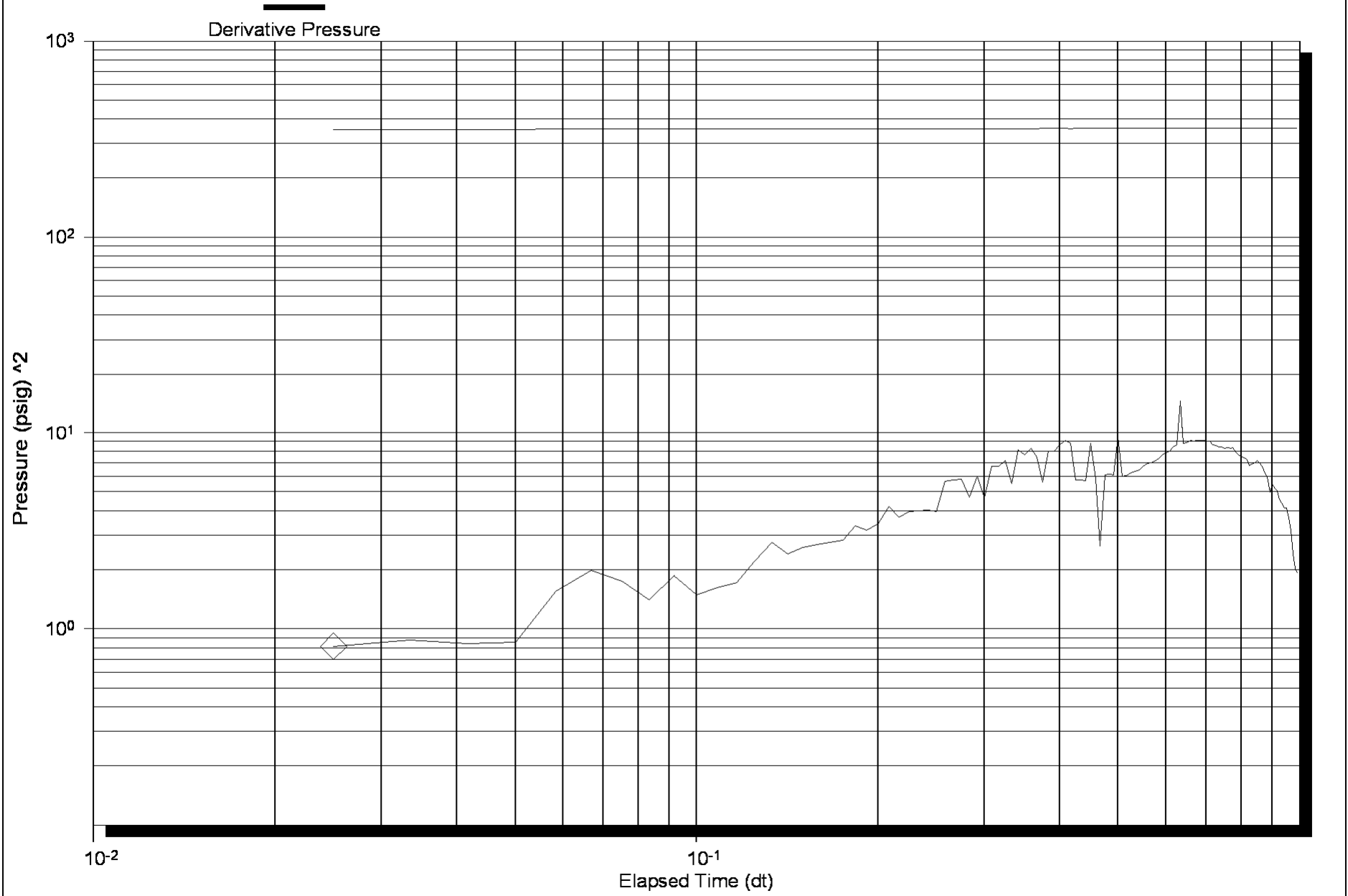
# Horner Plot



# Horner Plot



# Log-Log and Pseudo-Derivative





# Log-Log and Pseudo-Derivative

