



## 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: 2010.06.07 @ 06:50:33

End Date: 2010.06.07 @ 13:51:03

Job Ticket #: 38671                      DST #: 1

Trilobite Testing, Inc  
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 Test Start: 2010.06.07 @ 06:50:33

## GENERAL INFORMATION:

Formation: **LKC "A-C"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:48:33  
 Time Test Ended: 13:51:03  
**Interval: 3198.00 ft (KB) To 3252.00 ft (KB) (TVD)**  
 Total Depth: 3252.00 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

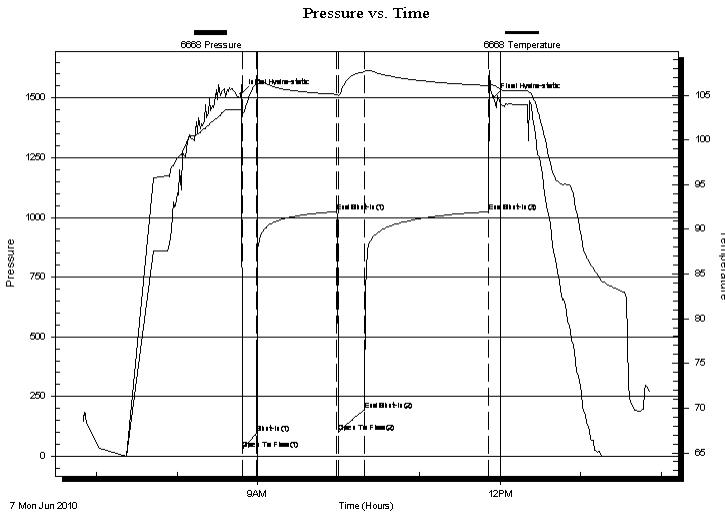
## Serial #: 6668

Inside

Press @ Run Depth: 97.96 psig @ 3202.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2010.06.07      End Date: 2010.06.07      Last Calib.: 2010.06.07  
 Start Time: 06:50:34      End Time: 13:51:03      Time On Btm: 2010.06.07 @ 08:47:33  
 Time Off Btm: 2010.06.07 @ 11:55:03

**TEST COMMENT:** IFP-BOB in 6 min  
 ISI-no blow back  
 FFP-BOB in 8 min  
 FSI-Weak surface blow back died in 20 min

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1516.27	103.33	Initial Hydro-static
1	29.87	102.94	Open To Flow (1)
12	97.96	106.36	Shut-In(1)
71	1024.00	105.11	End Shut-In(1)
72	99.21	104.92	Open To Flow (2)
92	193.37	107.60	End Shut-In(2)
184	1023.23	106.07	End Shut-In(3)
188	1501.69	106.08	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
240.00	Water	3.40
60.00	MW 60%W,40%M	0.85
50.00	WM 30%W,70%M	0.71

## Gas Rates

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





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**TOOL DIAGRAM**

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**Tool Information**

Drill Pipe:	Length: 3196.00 ft	Diameter: 3.82 inches	Volume: 45.30 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: 65000.00 lb
			<u>Total Volume: 45.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3198.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	82.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Change Over Sub	1.00			3171.00	
Shut In Tool	5.00			3176.00	
Hydraulic tool	5.00			3181.00	
Jars	5.00			3186.00	
Safety Joint	2.00			3188.00	
Packer	5.00			3193.00	28.00      Bottom Of Top Packer
Packer	5.00			3198.00	
Stubb	1.00			3199.00	
Perforations	2.00			3201.00	
Change Over Sub	1.00			3202.00	
Recorder	0.00	6668	Inside	3202.00	
Recorder	0.00	6669	Inside	3202.00	
Blank Spacing	31.00			3233.00	
Change Over Sub	1.00			3234.00	
Perforations	15.00			3249.00	
Bullnose	3.00			3252.00	54.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>82.00</b>				



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## Mud and Cushion Information

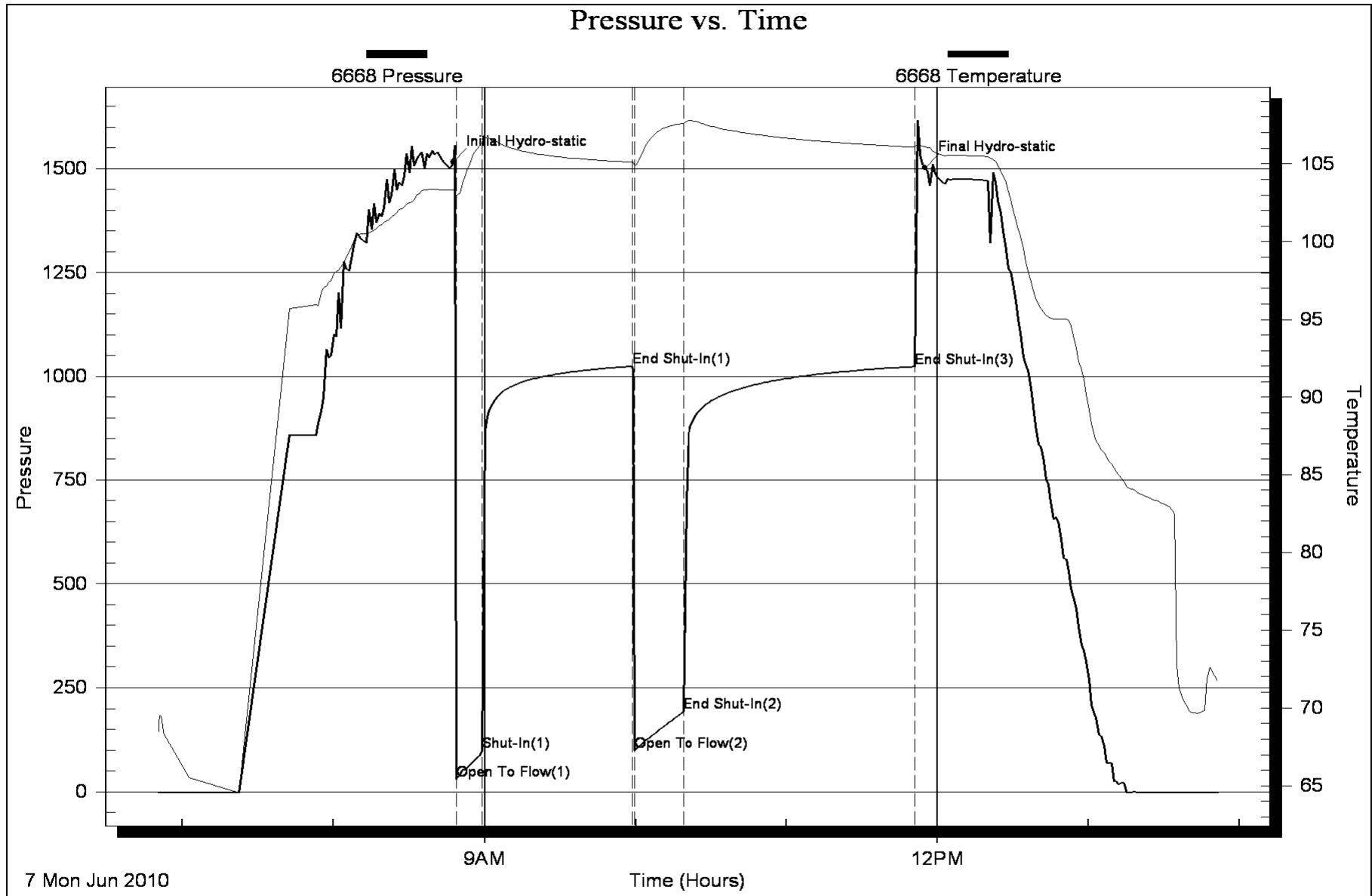
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	43000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: inches			

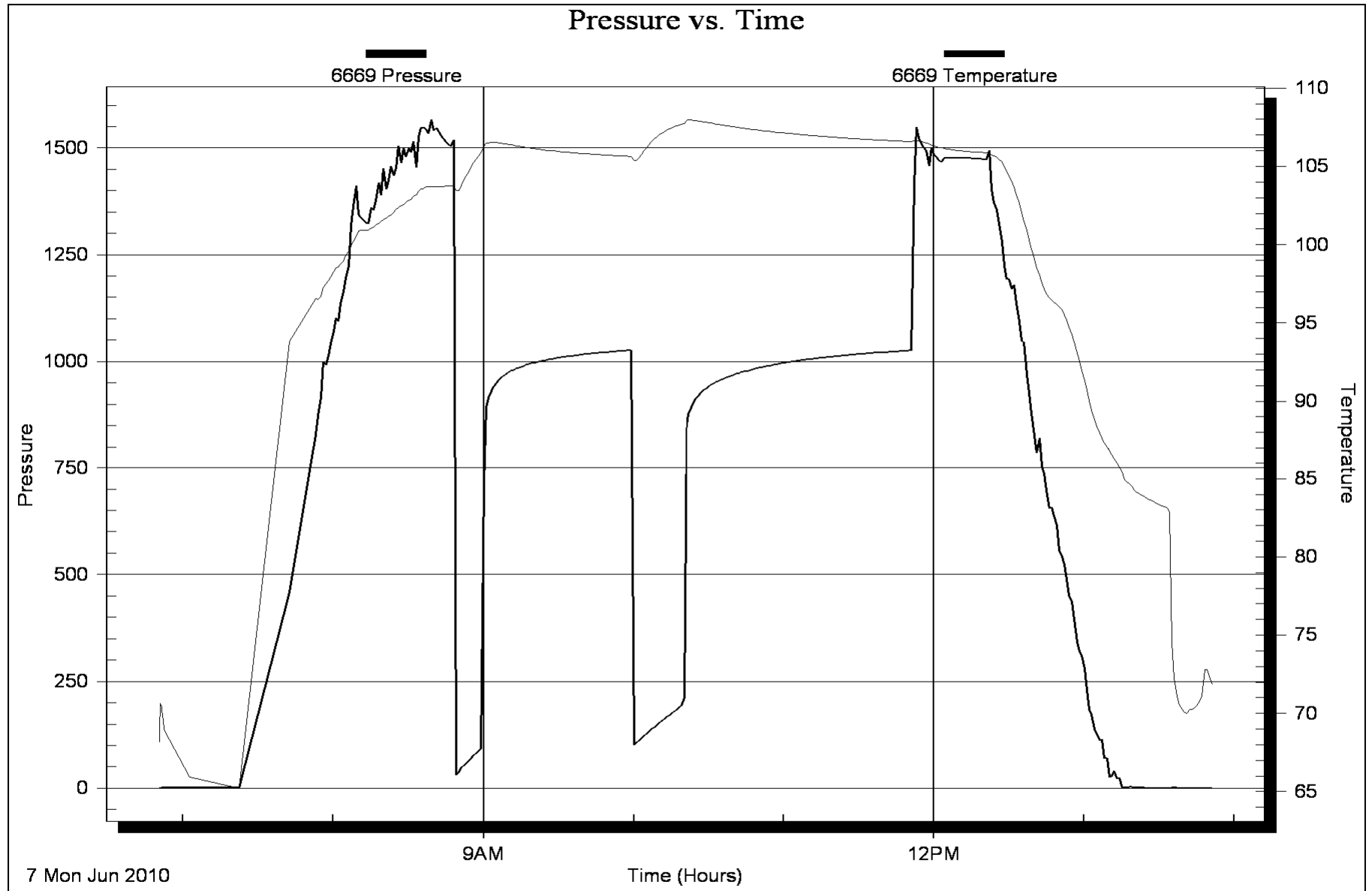
## Recovery Information

Recovery Table

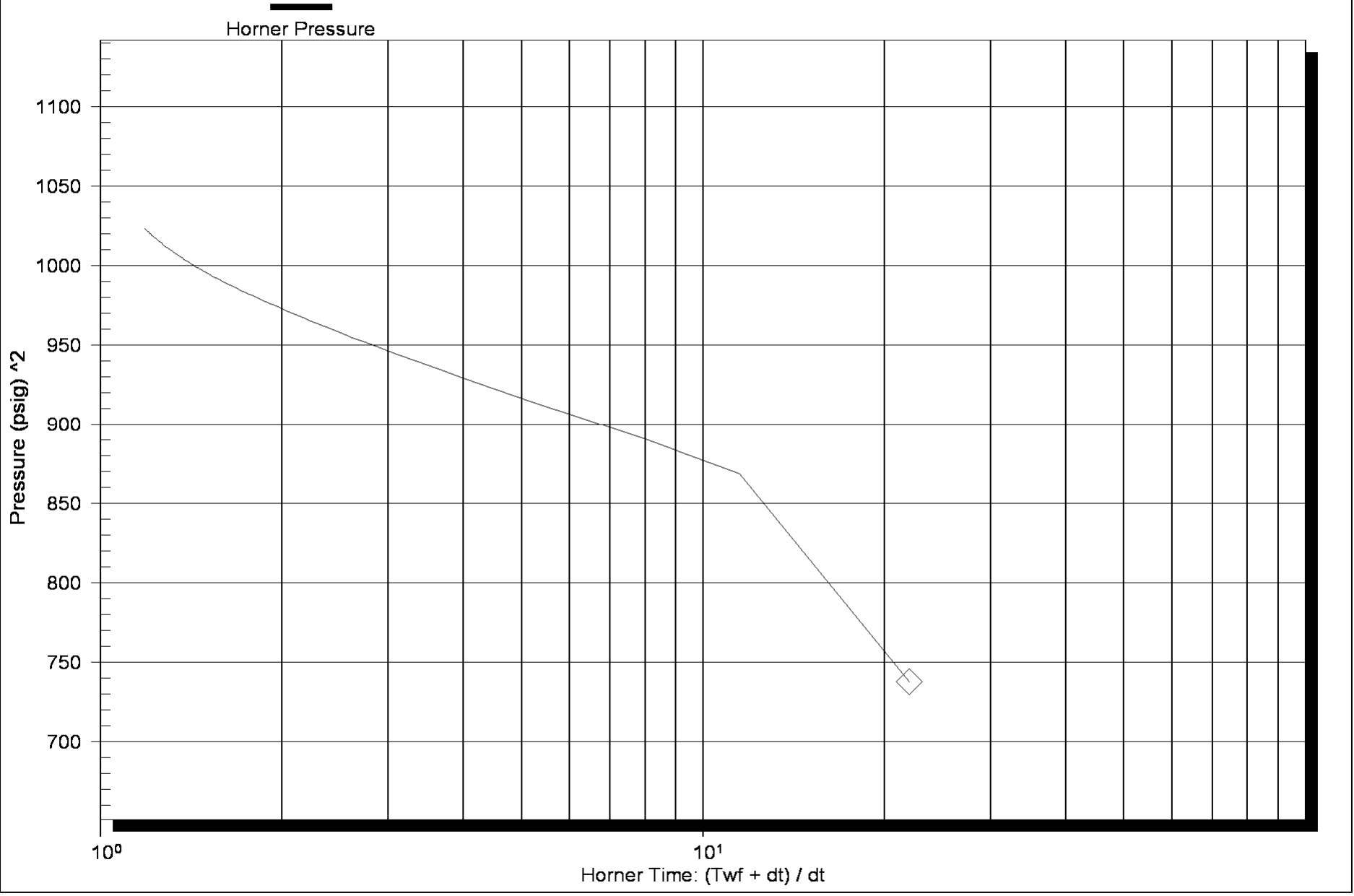
Length ft	Description	Volume bbl
240.00	Water	3.402
60.00	MW 60%W,40%M	0.851
50.00	WM 30%W,70%M	0.709

Total Length: 350.00 ft      Total Volume: 4.962 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:





### Horner Plot





### Log-Log and Pseudo-Derivative

