



DRILL STEM TEST REPORT

Prepared For: **Sam Gary**

1515 Wynkoop St. Suite 700
Denver CO, 80202

ATTN: Clayton Camozzi

10-17S-12W- Barton

Ambrose 1-10

Start Date: 2011.05.02 @ 17:18:26

End Date: 2011.05.03 @ 02:05:26

Job Ticket #: 42588 DST #: 1

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



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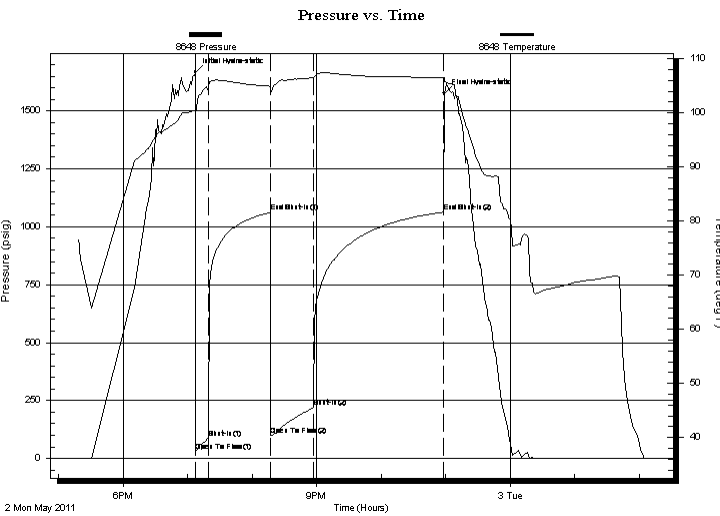
Ambrose 1-10
10-17S-12W- Barton
 Job Ticket: 42588 **DST#: 1**
 Test Start: 2011.05.02 @ 17:18:26

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:07:26
 Time Test Ended: 02:05:26
 Interval: **3300.00 ft (KB) To 3328.00 ft (KB) (TVD)**
 Total Depth: 3328.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Straddle
 Tester: Cody/Dan
 Unit No: 43
 Reference Elevations: 1856.00 ft (KB)
 1849.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8648 Inside
 Press @ Run Depth: 220.65 psig @ 3301.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.05.02 End Date: 2011.05.03 Last Calib.: 2011.05.03
 Start Time: 17:18:31 End Time: 02:05:26 Time On Btm: 2011.05.02 @ 19:07:11
 Time Off Btm: 2011.05.02 @ 22:58:41

TEST COMMENT: 10 - IF- B.O.B. - 7 Min.
 60 - IS- No Blow back
 40 - FF- B.O.B.- 7 Min. 30 Seconds
 120 - FS- No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1665.92	100.44	Initial Hydro-static
1	30.36	100.10	Open To Flow (1)
12	88.45	104.87	Shut-In(1)
70	1062.49	104.92	End Shut-In(1)
71	98.35	104.46	Open To Flow (2)
111	220.65	106.51	Shut-In(2)
231	1063.42	106.43	End Shut-In(2)
232	1574.70	106.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
434.00	40% Gas, 60% Oil	6.09
124.00	30% Mud, 70% Oil	1.74

Gas Rates

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



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TOOL DIAGRAM

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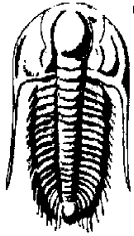
Tool Information

Drill Pipe:	Length: 3304.00 ft	Diameter: 3.80 inches	Volume: 46.35 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 46.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	3300.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	3328.00 ft			
Interval between Packers:	28.00 ft			
Tool Length:	69.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Recorder	0.00	6799	Inside	3270.00	
Shut In Tool	5.00			3275.00	
Sampler	2.00			3277.00	
Hydraulic tool	5.00			3282.00	
Jars	5.00			3287.00	
Safety Joint	3.00			3290.00	
Packer	5.00			3295.00	30.00 Bottom Of Top Packer
Packer	5.00			3300.00	
Stubb	1.00			3301.00	
Recorder	0.00	8648	Inside	3301.00	
Recorder	0.00	8655	Outside	3301.00	
Perforations	26.00			3327.00	
Blank Off Sub	1.00			3328.00	28.00 Tool Interval
Packer	5.00			3333.00	
Stubb	1.00			3334.00	
Recorder	0.00	8647	Inside	3334.00	
Bullnose	5.00			3339.00	11.00 Bottom Packers & Anchor
Total Tool Length:	69.00				



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FLUID SUMMARY

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Mud and Cushion Information

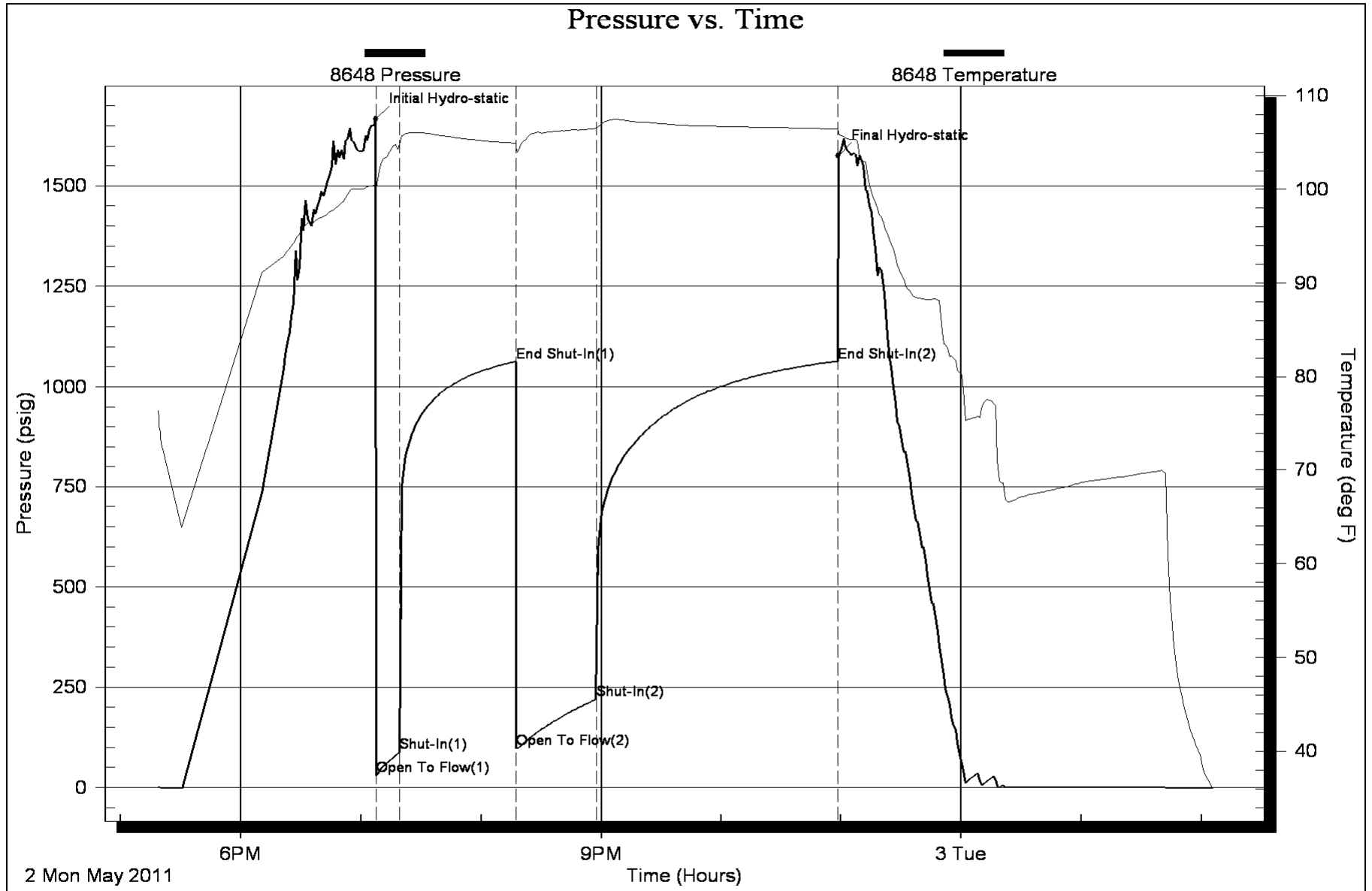
Mud Type: Gel Chem	Cushion Type:	Oil API: 31 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.79 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 5000.00 ppm		
Filter Cake: inches		

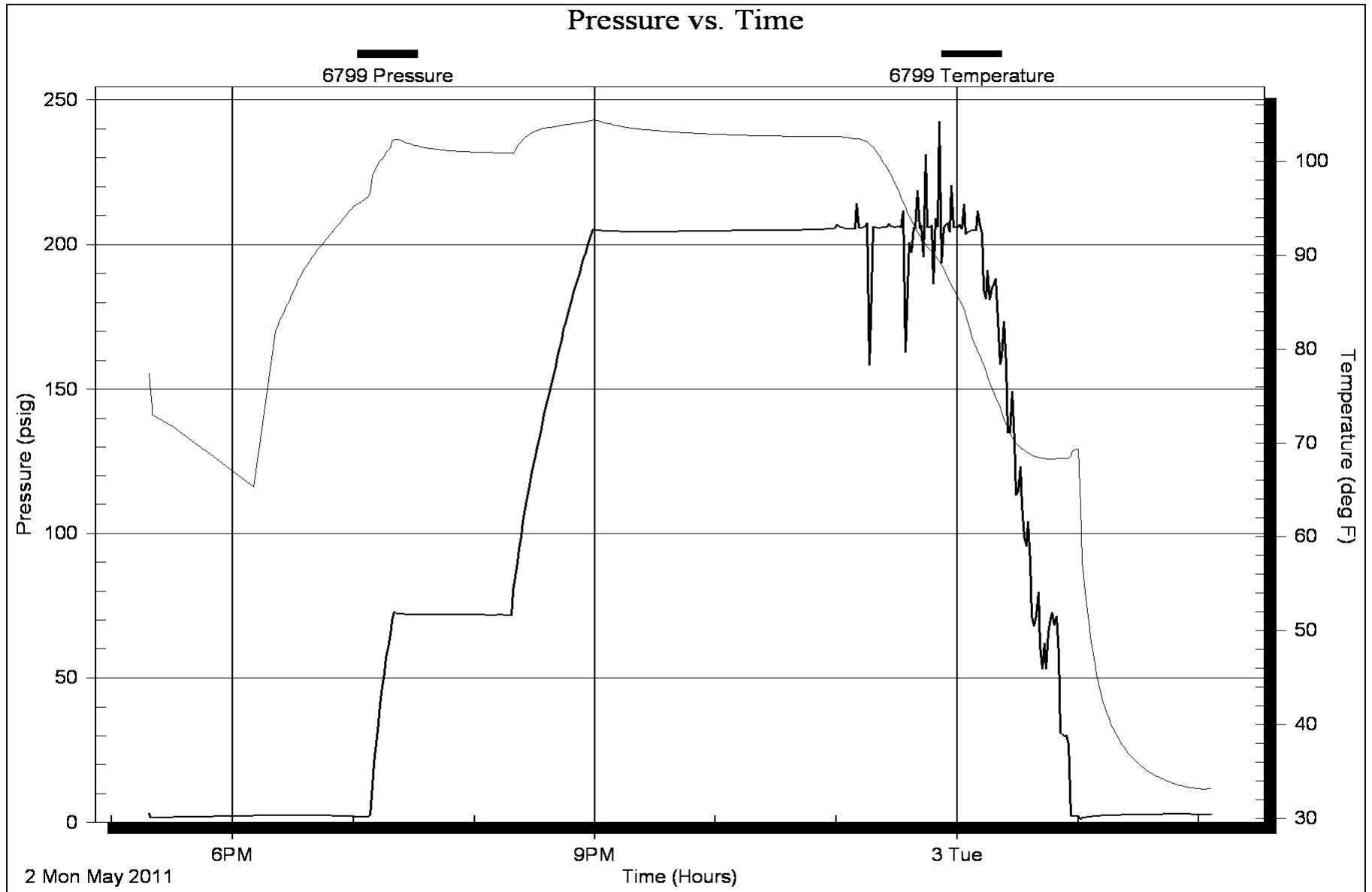
Recovery Information

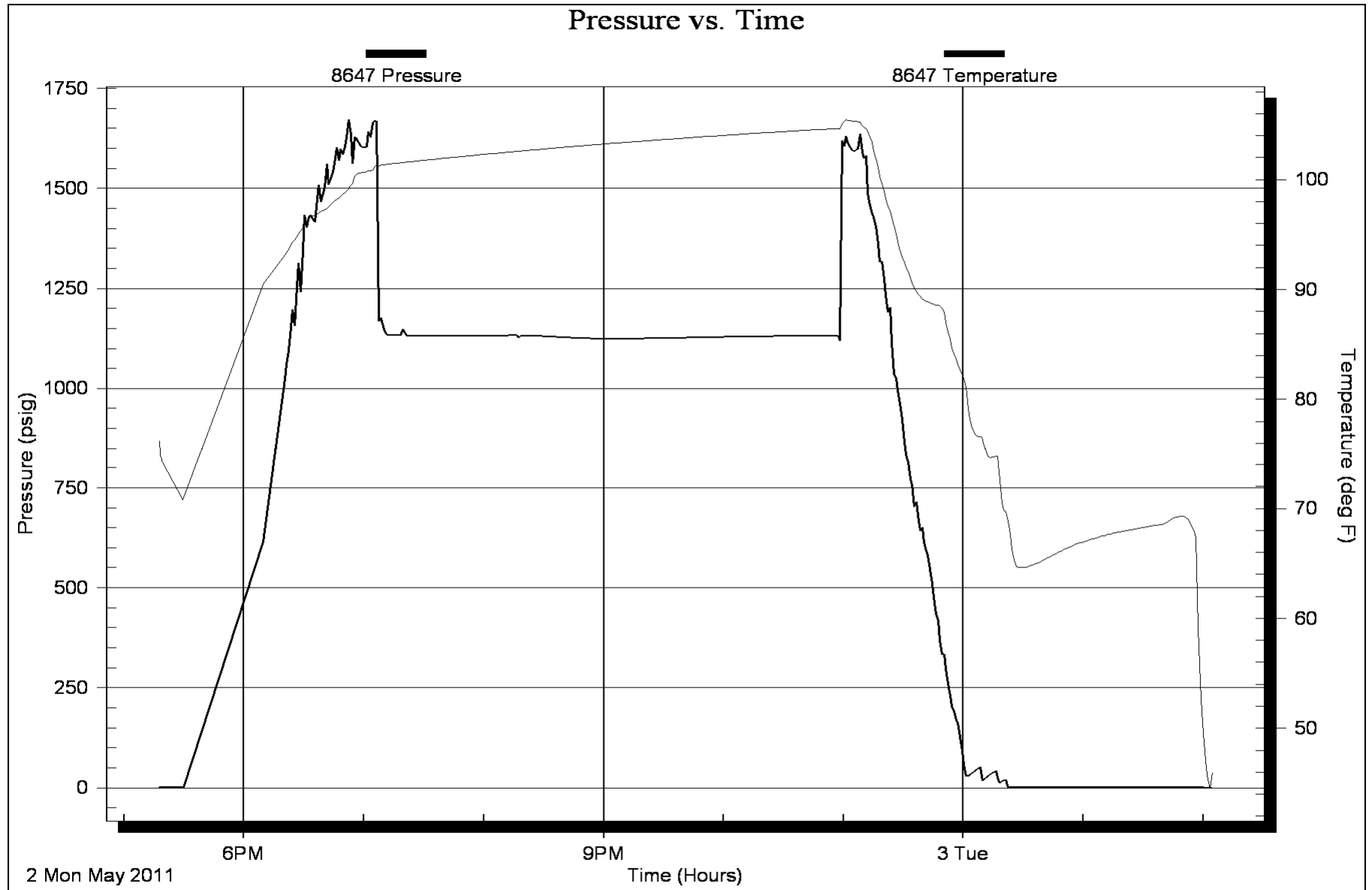
Recovery Table

Length ft	Description	Volume bbl
434.00	40% Gas, 60% Oil	6.088
124.00	30% Mud, 70% Oil	1.739

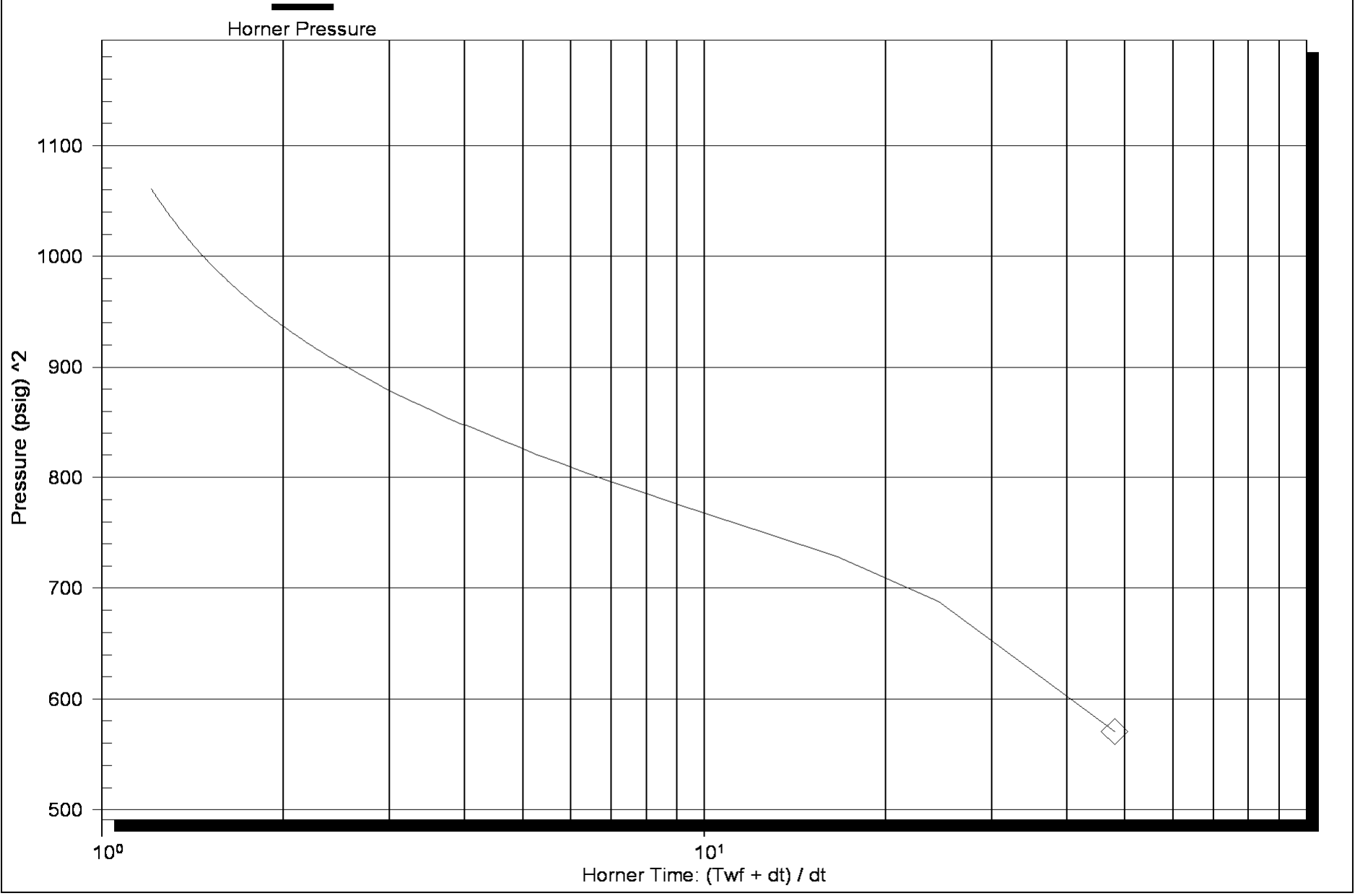
Total Length: 558.00 ft Total Volume: 7.827 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Sampler: 1800 ML Oil, 860 psi, Oil =31 @ 60 degrees



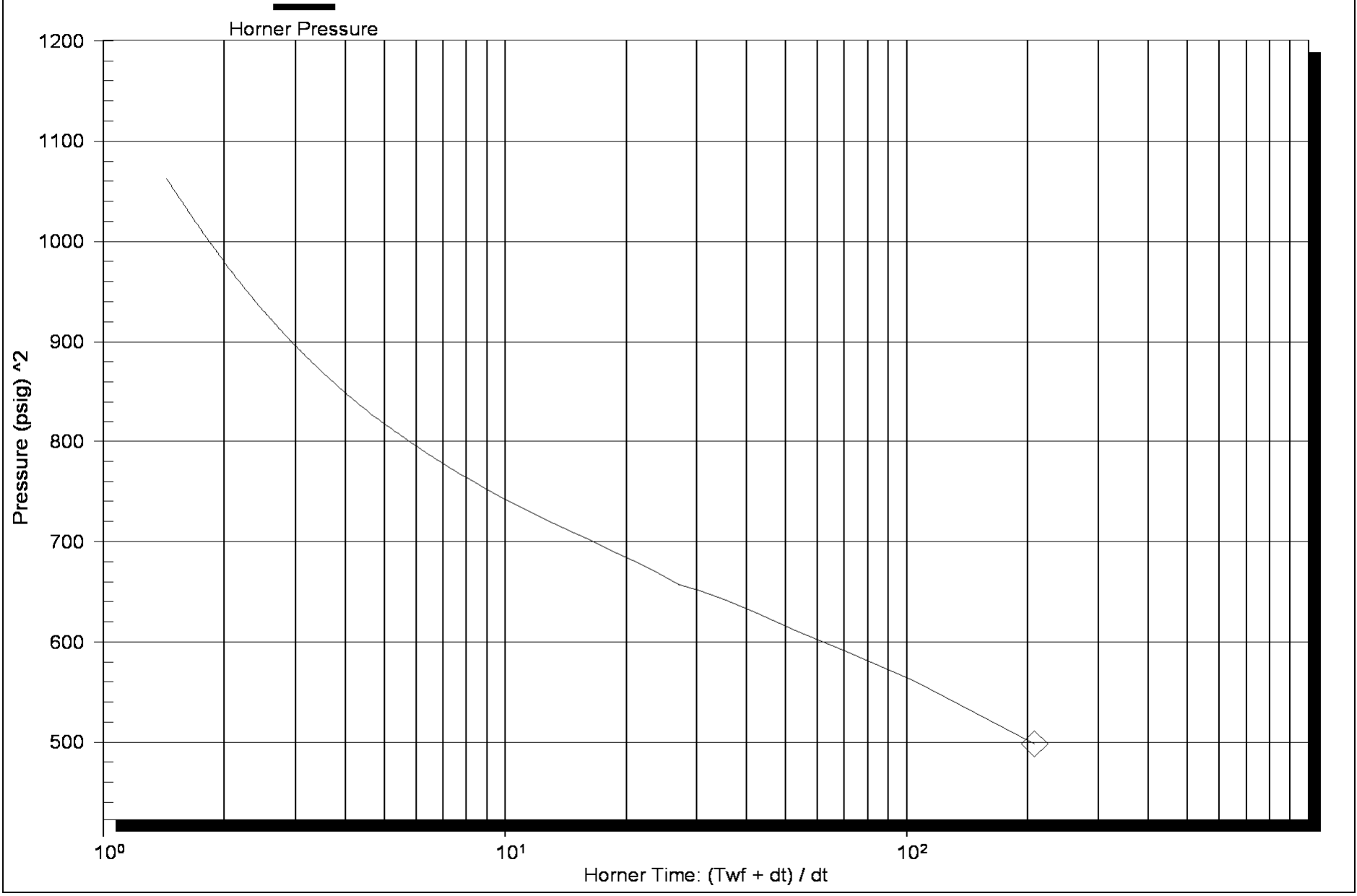




Horner Plot



Horner Plot



Log-Log and Pseudo-Derivative

