



## DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr. & Ass. Inc.**

1515 Wynkoop st. Suite 700  
Denver CO, 80202

ATTN: Clayton Camozzi

### **Schmeidler et 1-15**

#### **15-12s-17w Ellis**

Start Date: 2011.12.08 @ 01:51:00

End Date: 2011.12.08 @ 10:27:19

Job Ticket #: 46328                      DST #: 1

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
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Printed: 2011.12.09 @ 10:30:24



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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**15-12s-17w Ellis**

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Denver CO, 80202

**Schmeidler et 1-15**

ATTN: Clayton Camozzi

Job Ticket: 46328

**DST#: 1**

Test Start: 2011.12.08 @ 01:51:00

## GENERAL INFORMATION:

Formation: **Lansing "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:55:00

Time Test Ended: 10:27:19

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 38

Interval: **3394.00 ft (KB) To 3417.00 ft (KB) (TVD)**

Reference Elevations: 2135.00 ft (KB)

Total Depth: 3417.00 ft (KB) (TVD)

2127.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8017 Inside**

Press @ Run Depth: 84.94 psig @ 3414.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.12.08 End Date: 2011.12.08

Last Calib.: 2011.12.08

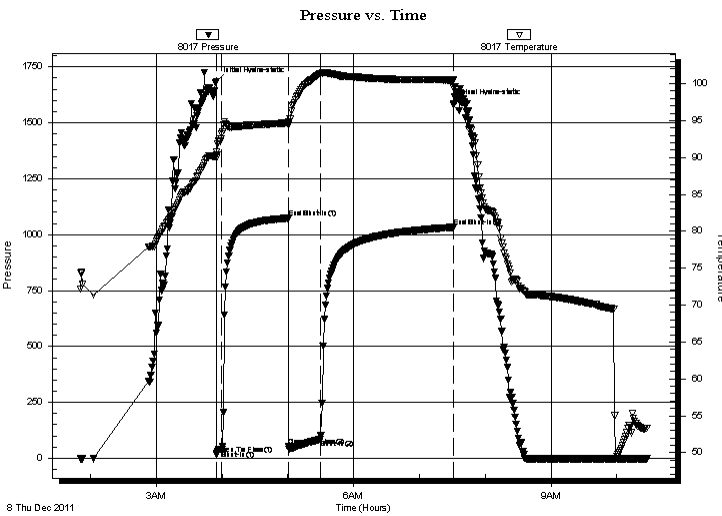
Start Time: 01:51:05 End Time: 10:27:20

Time On Btm: 2011.12.08 @ 03:54:50

Time Off Btm: 2011.12.08 @ 07:31:20

**TEST COMMENT:** 05 - IF- 6" blow  
60 - IS- Weak surface blow, died in 11 Min.  
30 - FF- B.O.B. in 6 Min.  
120 - FS- 1 1/2" blow in 25 Min, died back to 1"

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1685.39	90.72	Initial Hydro-static
1	18.95	89.89	Open To Flow (1)
5	37.68	93.26	Shut-In(1)
66	1073.42	94.69	End Shut-In(1)
66	52.87	94.38	Open To Flow (2)
95	84.94	101.38	Shut-In(2)
216	1033.00	100.50	End Shut-In(2)
217	1585.63	99.50	Final Hydro-static

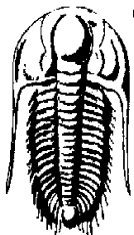
## Recovery

Length (ft)	Description	Volume (bbl)
124.00	SOCWM, 10%O, 40%W, 50%M	1.11
31.00	GO, 10%G, 90%O	0.32
0.00	279' of G.I.P.	0.00

## Gas Rates

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





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**Schmeidler et 1-15**

ATTN: Clayton Camozzi

Job Ticket: 46328

**DST#: 1**

Test Start: 2011.12.08 @ 01:51:00

## GENERAL INFORMATION:

Formation: **Lansing "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:55:00

Time Test Ended: 10:27:19

Interval: **3394.00 ft (KB) To 3417.00 ft (KB) (TVD)**

Total Depth: 3417.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 38

Reference Elevations: 2135.00 ft (KB)

2127.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 8647**

**Fluid**

Press @ Run Depth: psig @ 3359.00 ft (KB)

Start Date: 2011.12.08

End Date: 2011.12.08

Start Time: 01:51:05

End Time: 10:25:09

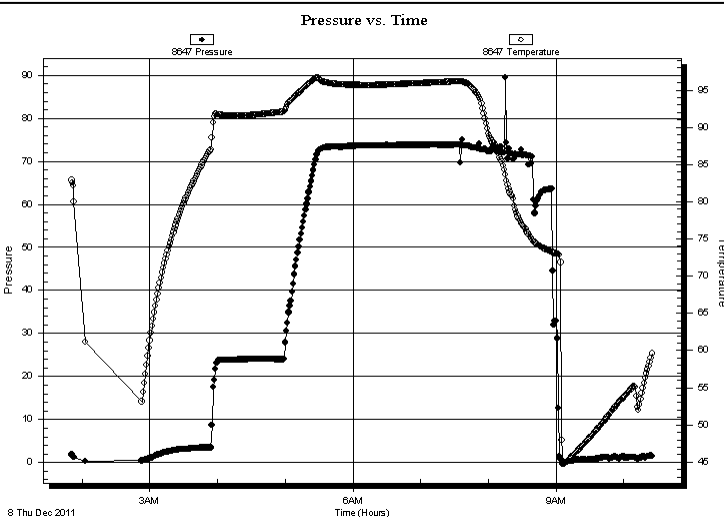
Capacity: 8000.00 psig

Last Calib.: 2011.12.08

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 05 - IF- 6" blow  
60 - IS- Weak surface blow , died in 11 Min.  
30 - FF- B.O.B. in 6 Min.  
120 - FS- 1 1/2" blow in 25 Min, died back to 1"



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	SOCWM, 10%O, 40%W, 50%M	1.11
31.00	GO, 10%G, 90%O	0.32
0.00	279' of G.I.P.	0.00

## Gas Rates

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



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# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Samuel Gary Jr. & Ass. Inc.

**15-12s-17w Ellis**

1515 Wynkoop st. Suite 700  
Denver CO, 80202

**Schmeidler et 1-15**

Job Ticket: 46328

**DST#: 1**

ATTN: Clayton Camozzi

Test Start: 2011.12.08 @ 01:51:00

## Tool Information

Drill Pipe:	Length: 3351.00 ft	Diameter: 3.25 inches	Volume: 34.38 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 34.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3394.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Recorder	0.00	8647	Fluid	3359.00	
Change Over Sub	7.00			3366.00	
Shut In Tool	5.00			3371.00	
Hydraulic tool	5.00			3376.00	
Jars	5.00			3381.00	
Safety Joint	3.00			3384.00	
Packer	5.00			3389.00	35.00 Bottom Of Top Packer
Packer	5.00			3394.00	
Stubb	1.00			3395.00	
Perforations	19.00			3414.00	
Recorder	0.00	8017	Inside	3414.00	
Recorder	0.00	8352	Outside	3414.00	
Bullnose	3.00			3417.00	23.00 Bottom Packers & Anchor

**Total Tool Length: 58.00**



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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Job Ticket: 46328

**DST#: 1**

ATTN: Clayton Camozzi

Test Start: 2011.12.08 @ 01:51:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	SOCWM, 10%O, 40%W, 50%M	1.107
31.00	GO, 10%G, 90%O	0.318
0.00	279' of G.I.P.	0.000

Total Length: 155.00 ft      Total Volume: 1.425 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

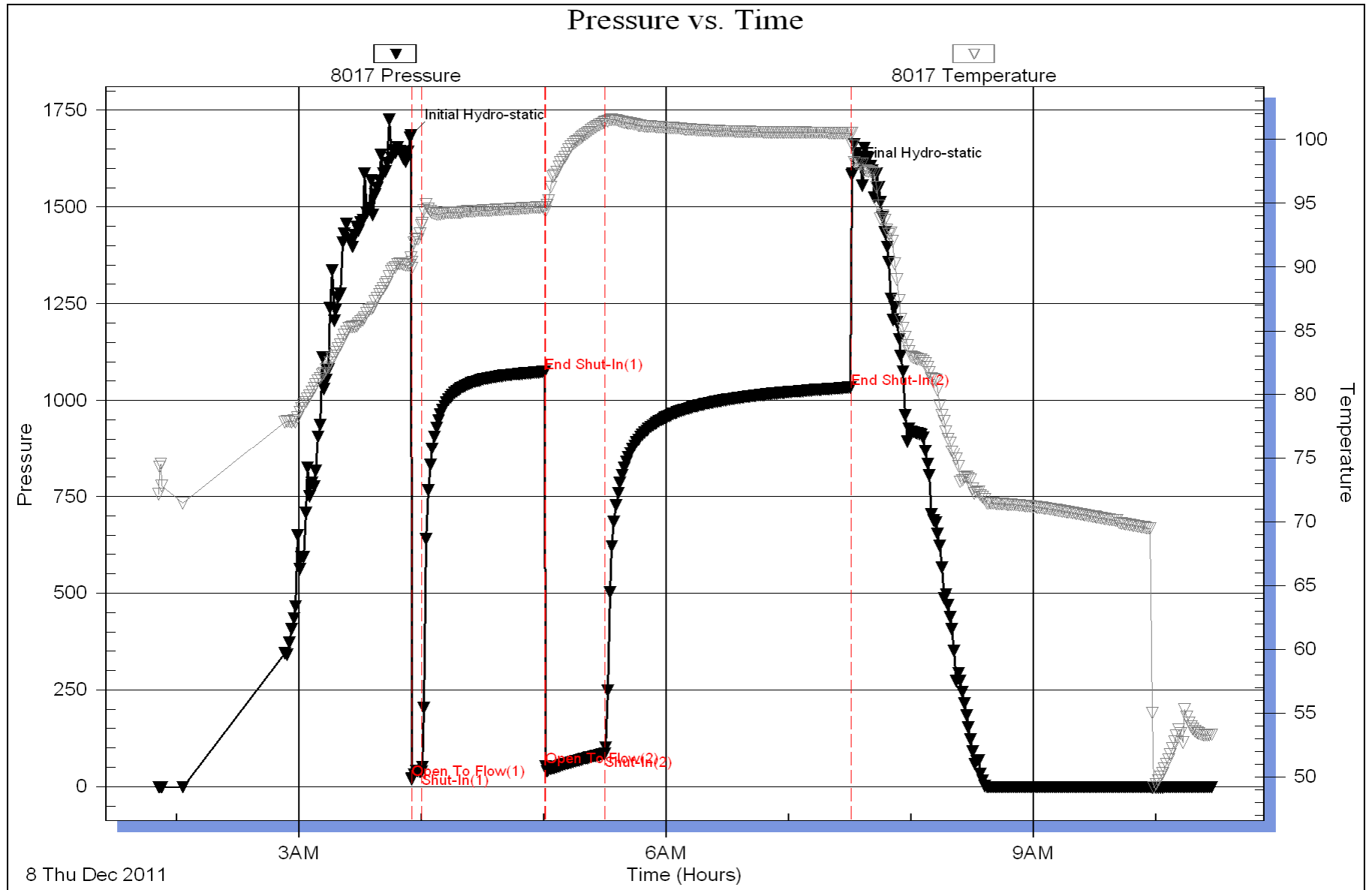
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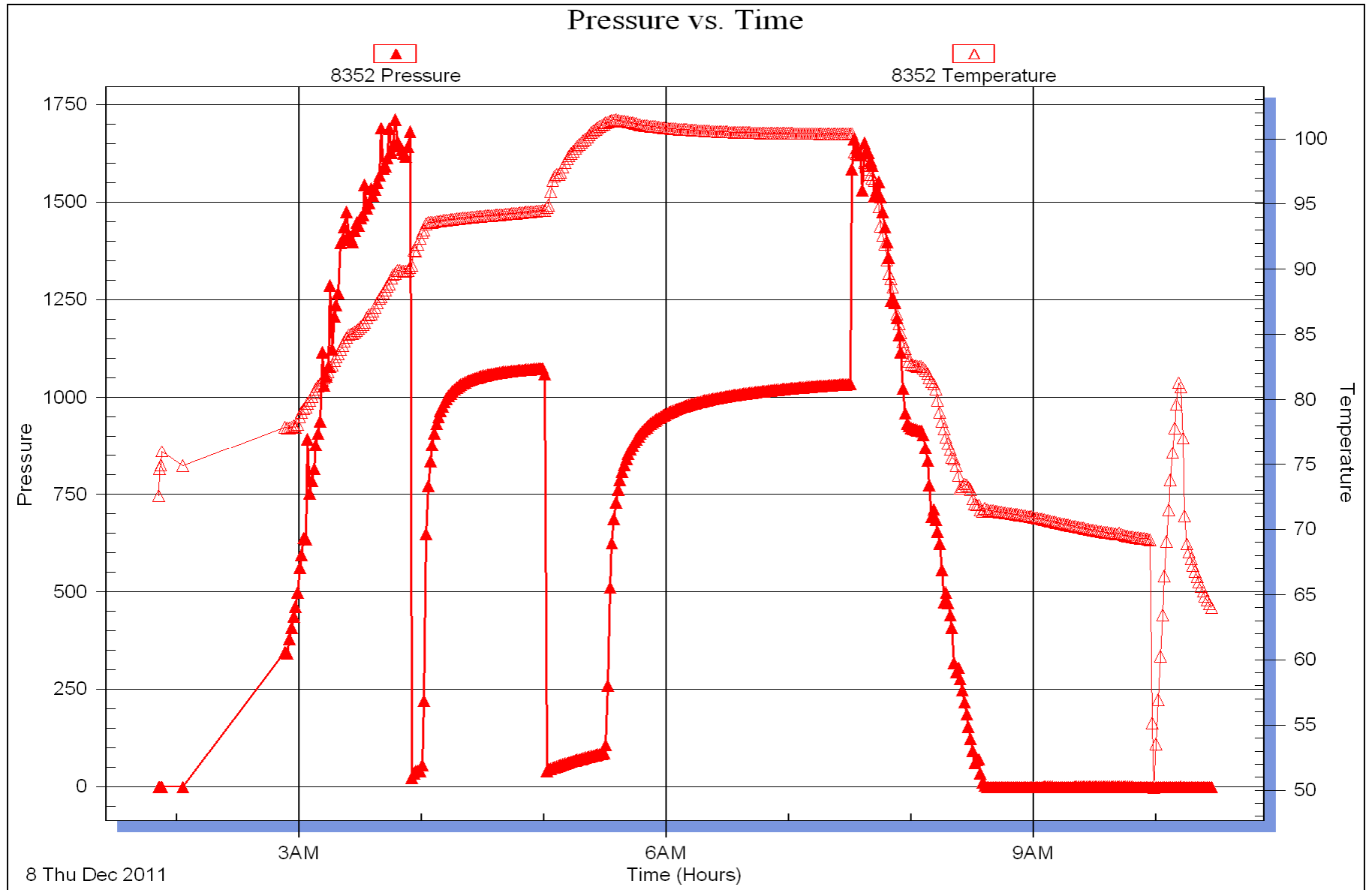
Laboratory Name:

Laboratory Location:

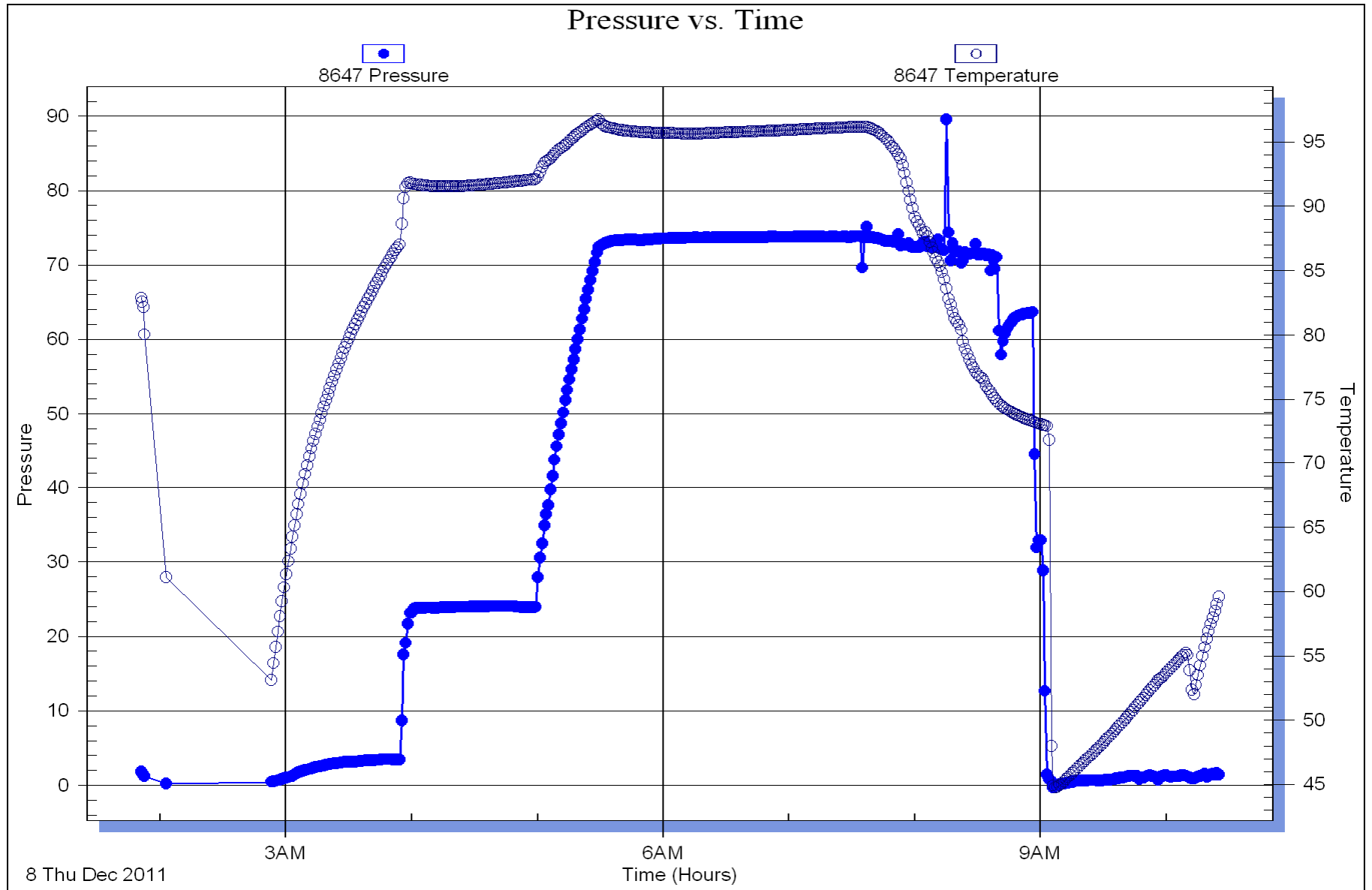
Recovery Comments: Gravity: 33 @ 40 Degrees = 35

Salinity: .61 @ 33 Degrees = 25000

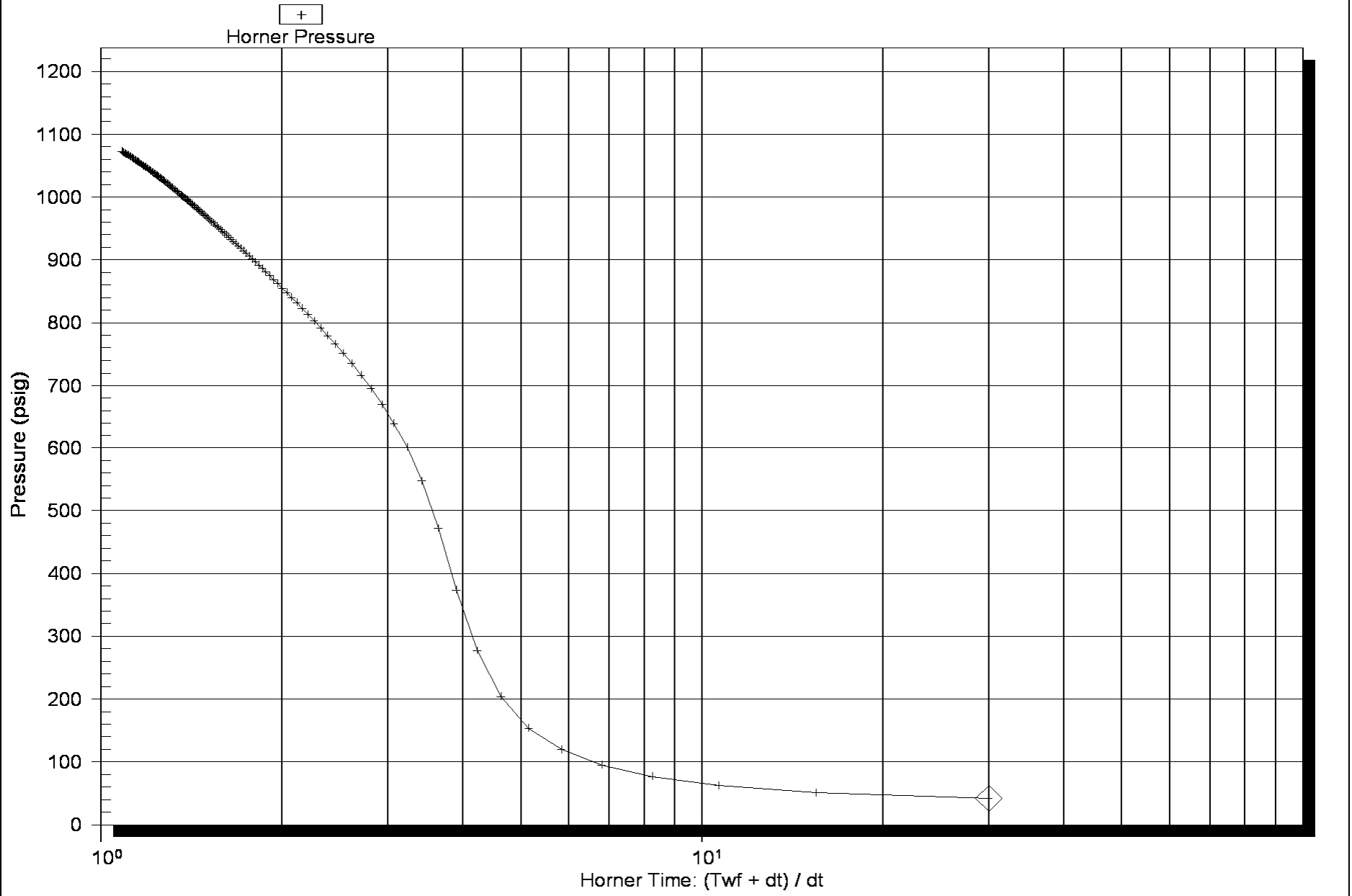








### Horner Plot



### Horner Plot

