

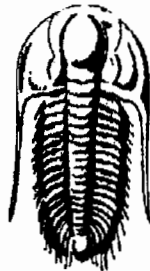
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KCC

JAN 27 2004

ORIGINAL

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**TRILOBITE
TESTING, INC.**

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DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

P O Box 399
Garden City Ks 67846

ATTN: Cecil O'Brate

8-8-21-Graham-Ks W

I Kenyon #3

Start Date: 2003.12.14 @ 00:22:10

End Date: 2003.12.14 @ 07:14:40

Job Ticket #: 18420 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

American Warrior Inc

I Kenyon #3

8-8-21-Graham-Ks

DST # 1

C-D

LK

2003.12.14



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc

I Kenyon #3

P O Box 399
Garden City Ks 67846

8-8-21-Graham-Ks

Job Ticket: 18420

DST#: 1

ATTN: Cecil O'Brate

Test Start: 2003.12.14 @ 00:22:10

GENERAL INFORMATION:

Formation: **C-D LK**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 02:24:40
Time Test Ended: 07:14:40

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Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 21

Interval: **3255.00 ft (KB) To 3300.00 ft (KB) (TVD)**
Total Depth: **3300.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Good

Reference Elevations: **2029.00 ft (KB)**
2021.00 ft (CF)
KB to GR/CF: **8.00 ft**

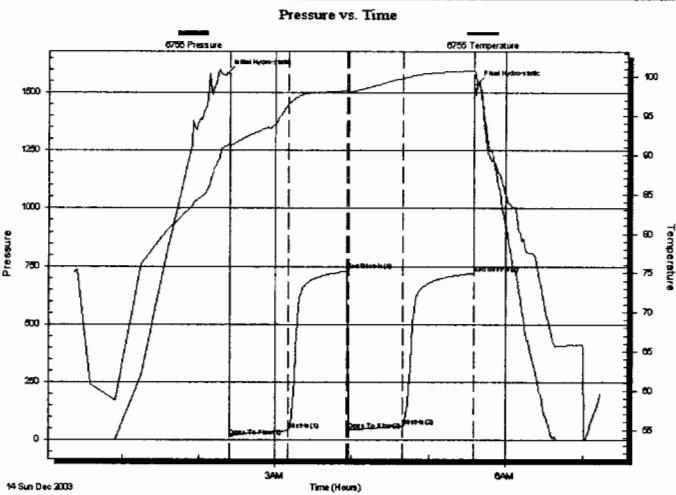
Serial #: 6755

Inside

Press@RunDepth: **60.69 psig @ 3260.00 ft (KB)**
Start Date: **2003.12.14** End Date: **2003.12.14**
Start Time: **00:22:11** End Time: **07:14:40**

Capacity: **7000.00 psig**
Last Calib.: **2003.12.14**
Time On Btm: **2003.12.14 @ 02:22:10**
Time Off Btm: **2003.12.14 @ 05:37:10**

TEST COMMENT: IF-Weak building to 3"
FF-Weak building to 2"
Times-45-45-45-45



PRESSURE SUMMARY

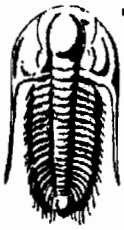
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1581.66	91.15	Initial Hydro-static
3	16.08	91.10	Open To Flow (1)
48	42.10	96.44	Shut-In(1)
94	730.07	98.20	End Shut-In(1)
95	44.17	98.02	Open To Flow (2)
138	60.69	99.75	Shut-In(2)
193	721.47	100.78	End Shut-In(2)
195	1535.73	99.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	HOCM 20%o 80% m	0.84
45.00	HOCM 40%o 60% m	0.63
0.00	60 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc
P O Box 399
Garden City Ks 67846
ATTN: Cecil O'Brate

I Kenyon #3
8-8-21-Graham-Ks
Job Ticket: 18420 **DST#: 1**
Test Start: 2003.12.14 @ 00:22:10


Tool Information

Drill Pipe:	Length: 3268.00 ft	Diameter: 3.80 inches	Volume: 45.84 bbl	Tool Weight: 1000.00 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: 60000.00 lb
			<u>Total Volume: 45.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3255.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	66.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3235.00	
Shut In Tool	5.00			3240.00	
Hydraulic tool	5.00			3245.00	
Packer	5.00			3250.00	21.00 Bottom Of Top Packer
Packer	5.00			3255.00	
Stubb	1.00			3256.00	
Perforations	3.00			3259.00	
Change Over Sub	1.00			3260.00	
Recorder	0.00	6755	Inside	3260.00	
Drill Pipe	31.00			3291.00	
Change Over Sub	1.00			3292.00	
Recorder	0.00	13254	Outside	3292.00	
Perforations	5.00			3297.00	
Bullnose	3.00			3300.00	45.00 Bottom Packers & Anchor

Total Tool Length: 66.00

 <p style="font-size: 2em; font-weight: bold; margin: 0;">TRILOBITE TESTING, INC.</p>	DRILL STEM TEST REPORT		FLUID SUMMARY
	American Warrior Inc P O Box 399 Garden City Ks 67846 ATTN: Cecil O'Brate	I Kenyon #3 8-8-21-Graham-Ks Job Ticket: 18420 DST#: 1 Test Start: 2003.12.14 @ 00:22:10	

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: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.89 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	HOCM 20%o 80%m	0.842
45.00	HOCM 40%o 60%m	0.631
0.00	60 GIP	0.000

Total Length: 105.00 ft Total Volume: 1.473 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

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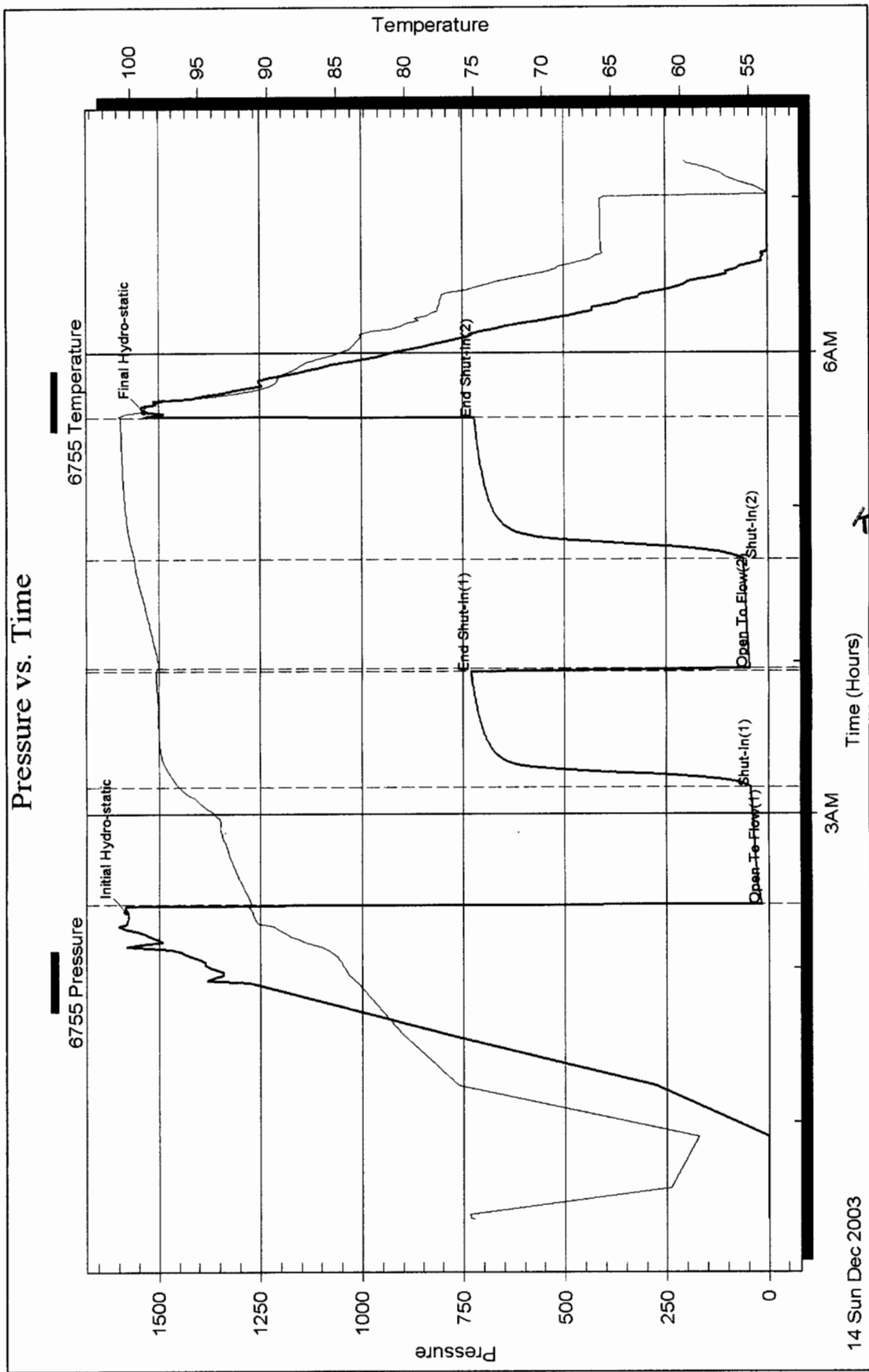
Serial #: 6755

Inside American Warrior Inc

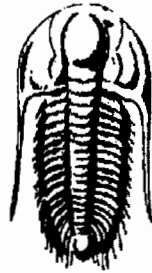
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DST Test Number: 1

Pressure vs. Time



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DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

P O Box 399
Garden City Ks 67846

ATTN: Cecil O'Brate

8-8-21-Graham-Ks

I Kenyon #3

Start Date: 2003.12.14 @ 12:25:16

End Date: 2003.12.14 @ 18:18:46

Job Ticket #: 18421 DST #: .2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

American Warrior Inc

I Kenyon #3

8-8-21-Graham-Ks

DST # 2

E-F

LK

2003.12.14



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc
P O Box 399
Garden City Ks 67846
ATTN: Cecil O'Brate

I Kenyon #3
8-8-21-Graham-Ks
Job Ticket: 18421 **DST#: 2**
Test Start: 2003.12.14 @ 12:25:16

Tool Information

Drill Pipe:	Length: 3299.00 ft	Diameter: 3.80 inches	Volume: 46.28 bbl	Tool Weight: 1400.00 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: 60000.00 lb
			<u>Total Volume: 46.28 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3292.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3272.00	
Shut In Tool	5.00			3277.00	
Hydraulic tool	5.00			3282.00	
Packer	5.00			3287.00	21.00 Bottom Of Top Packer
Packer	5.00			3292.00	
Stubb	1.00			3293.00	
Recorder	0.00	6755	Inside	3293.00	
Perforations	24.00			3317.00	
Recorder	0.00	13254	Outside	3317.00	
Bullnose	3.00			3320.00	28.00 Bottom Packers & Anchor
Total Tool Length:	49.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
P O Box 399
Garden City Ks 67846
ATTN: Cecil O'Brate

I Kenyon #3
8-8-21-Graham-Ks
Job Ticket: 18421 **DST#: 2**
Test Start: 2003.12.14 @ 12:25:16

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:	55000 ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.88 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

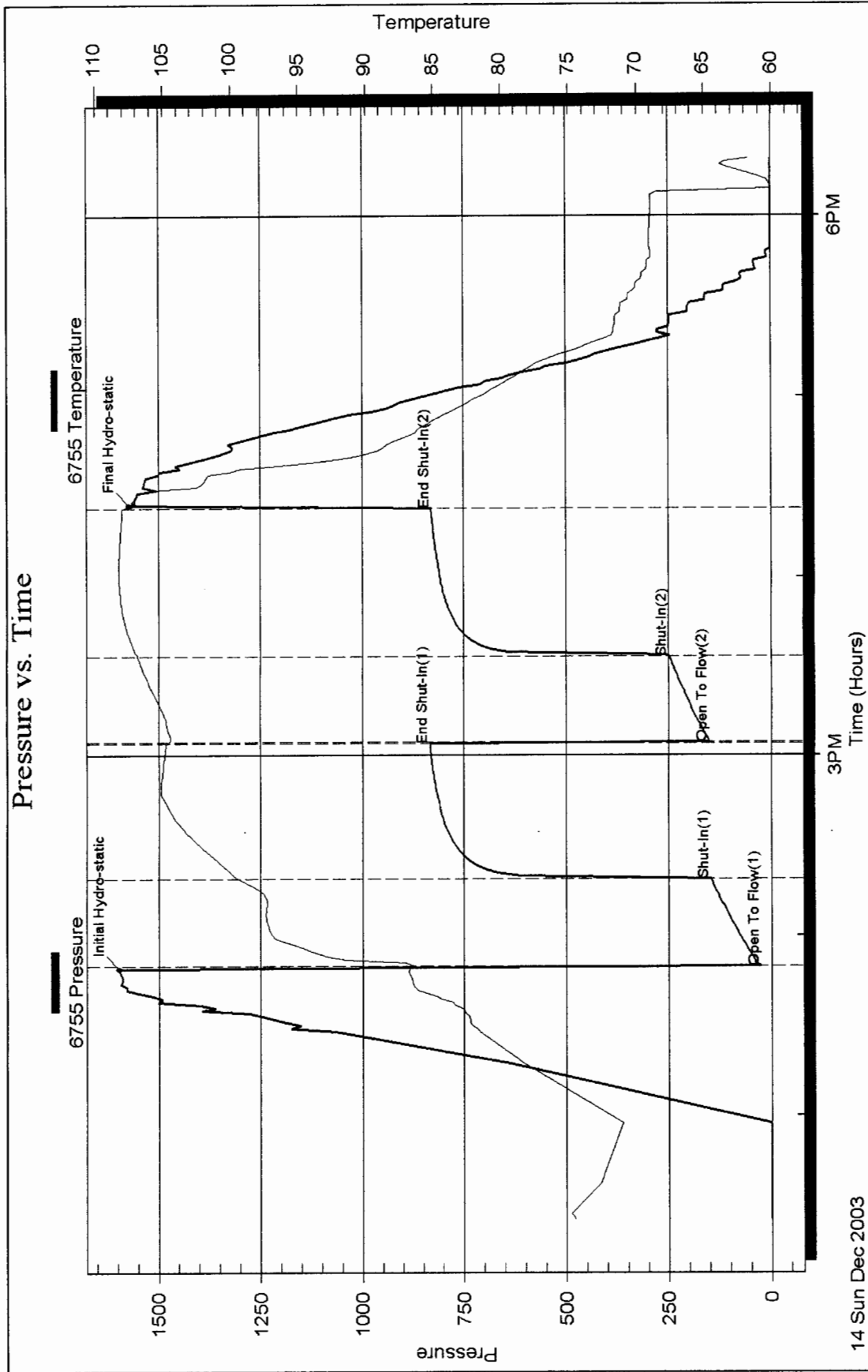
Recovery Table

Length ft	Description	Volume bbl
1.00	CO	0.014
555.00	Wtr	7.785

Total Length: 556.00 ft Total Volume: 7.799 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

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Pressure vs. Time



14 Sun Dec 2003

6PM

3PM

Time (Hours)

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