

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City KS 67846

ATTN: James Dilts

6 31S 7W Harper KS

Margery
Margary #1-6

Start Date: 2006.10.09 @ 05:14:39

End Date: 2006.10.10 @ 00:52:09

Job Ticket #: 25448 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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American Warrior

Margary #1-6

6 31S 7W Harper KS

DST # 1

Mississippi

2006.10.09



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior
PO Box 399
Garden City KS 67846
ATTN: James Dilts

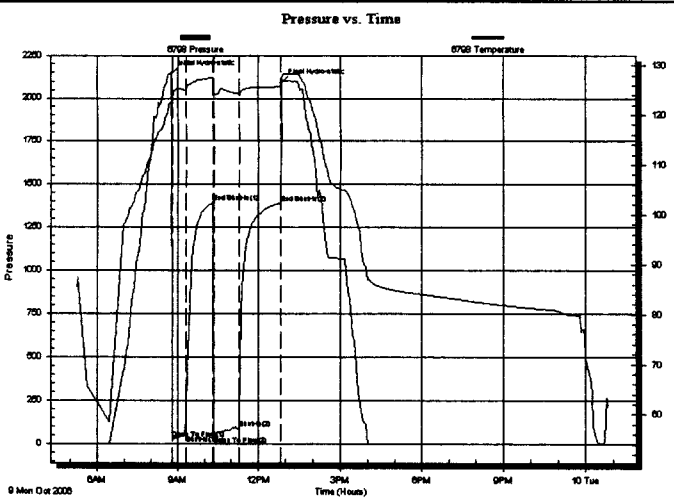
Margary #1-6
6 31S 7W Harper KS
Job Ticket: 25448 DST#: 1
Test Start: 2006.10.09 @ 05:14:39

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 08:48:09
Time Test Ended: 00:52:09
Interval: **4391.00 ft (KB) To 4400.00 ft (KB) (TVD)**
Total Depth: **4400.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Gerald Adams**
Unit No: **36**
Reference Elevations: **1630.00 ft (KB)**
1622.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 6798 Inside
Press@RunDepth: **87.40 psig @ 4392.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2006.10.09** End Date: **2006.10.10** Last Calib.: **2006.10.10**
Start Time: **05:14:44** End Time: **00:52:08** Time On Btrm: **2006.10.09 @ 08:47:09**
Time Off Btrm: **2006.10.09 @ 12:50:38**

TEST COMMENT: IF Strong blow BOB in 15 mins. GTS in 23 mins. (see gas flow report)
ISI Weak blow Built to 1 1/2 "
FF Strong blow BOB immediately
FSI Weak blow Built to 3 "



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2142.56	122.77	Initial Hydro-static
1	26.65	123.56	Open To Flow (1)
32	51.51	124.89	Shut-In(1)
93	1393.87	127.54	End Shut-In(1)
95	46.88	123.63	Open To Flow (2)
151	87.40	124.28	Shut-In(2)
243	1392.72	125.78	End Shut-In(2)
244	2088.97	127.48	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
160.00	HO&GCWM 10%G 35%O 14%W 41%M	1.22
62.00	SO&MCW 10%O 75%W 15%M	0.47
0.00	4173' GIP	0.00
0.00	RW= .141 @ 60 deg. 55000ppm	0.00
0.00		0.00

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	1.00	-
Last Gas Rate			
Max. Gas Rate	0.25	7.00	34.11



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior
PO Box 399
Garden City KS 67846
ATTN: James Dilts

Margary #1-6
6 31S 7W Harper KS
Job Ticket: 25448 **DST#: 1**
Test Start: 2006.10.09 @ 05:14:39

Tool Information

Drill Pipe:	Length: 4395.00 ft	Diameter: 2.80 inches	Volume: 33.47 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 33.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4391.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4368.00	
Hydraulic tool	5.00			4373.00	
Jars	5.00			4378.00	
Safety Joint	3.00			4381.00	
Packer	5.00			4386.00	28.00 Bottom Of Top Packer
Packer	5.00			4391.00	
Stubb	1.00			4392.00	
Recorder	0.00	6798	Inside	4392.00	
Perforations	5.00			4397.00	
Recorder	0.00	13249	Outside	4397.00	
Bullnose	3.00			4400.00	9.00 Bottom Packers & Anchor

Total Tool Length: 37.00

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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Margary #1-6

PO Box 399
Garden City KS 67846

6 31S 7W Harper KS

Job Ticket: 25448

DST#: 1

ATTN: James Dilts

Test Start: 2006.10.09 @ 05:14:39

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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 13.17 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
160.00	HO&GCWM 10%G 35%O 14%W 41%M	1.219
62.00	SO&MCW 10%O 75%W 15%M	0.472
0.00	4173' GP	0.000
0.00	RW= .141 @ 60 deg. 55000ppm	0.000
0.00		0.000

Total Length: 222.00 ft Total Volume: 1.691 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
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DRILL STEM TEST REPORT

GAS RATES

American Warrior
PO Box 399
Garden City KS 67846

Margary #1-6
6 31S 7W Harper KS
Job Ticket: 25448 DST#: 1
Test Start: 2006.10.09 @ 05:14:39

ATTN: James Dilts

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	23	0.25	1.00	-1586399.94
1	30	0.25	2.00	-1586398.36
2	10	0.25	7.00	34.11
2	20	0.25	4.25	29.75
2	30	0.25	4.00	29.35
2	40	0.25	4.00	29.35
2	50	0.25	4.00	29.35
2	60	0.25	4.00	29.35
0	-	-999999.00	-999999.00	-999999.00

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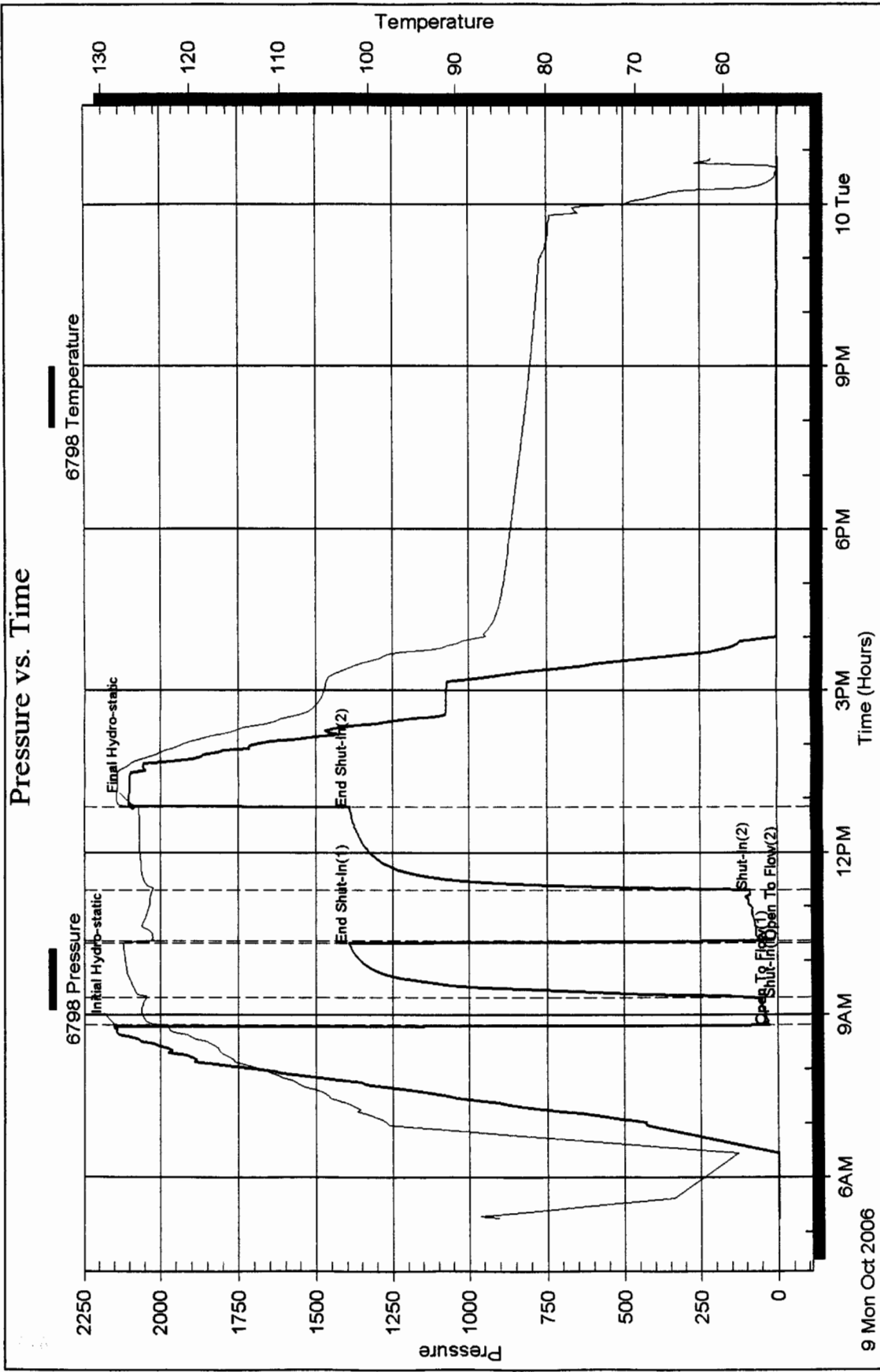
Serial #: 6798

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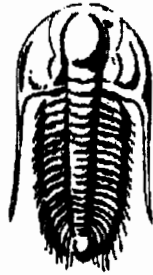
American Warrior

6 31S 7W Harper KS

DST Test Number: 1



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**TRILOBITE
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DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City KS 67846

ATTN: James Dilts

6 31S 7W Harper KS

Margary #1-6

Start Date: 2006.10.12 @ 02:34:28

End Date: 2006.10.12 @ 13:33:58

Job Ticket #: 25449 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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American Warrior

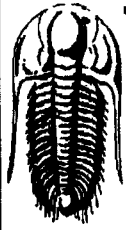
Margary #1-6

6 31S 7W Harper KS

DST # 2

Simpson

2006.10.12



TRILOBITE TESTING, INC

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American Warrior
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 Garden City KS 67846
 ATTN: James Dilts

Margary #1-6
6 31S 7W Harper KS
 Job Ticket: 25449 **DST#: 2**
 Test Start: 2006.10.12 @ 02:34:28

GENERAL INFORMATION:

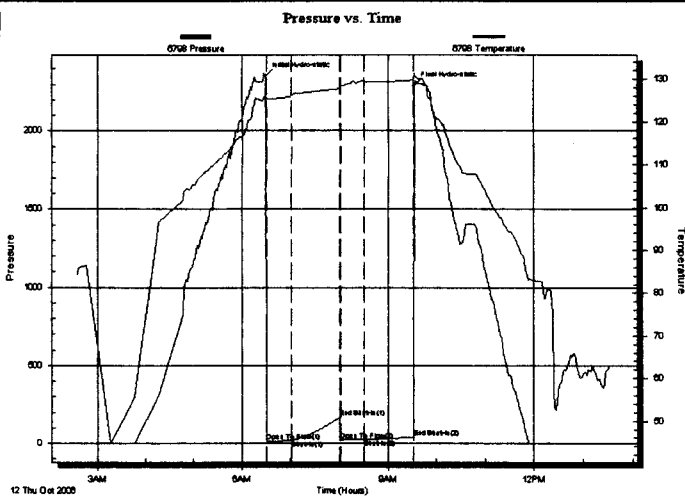
Formation: **Simpson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:29:58
 Time Test Ended: 13:33:58
 Interval: **4761.00 ft (KB) To 4781.00 ft (KB) (TVD)**
 Total Depth: 4781.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Gerald Adams
 Unit No: 36
 Reference Elevations: 1630.00 ft (KB)
 1622.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6798

Inside

Press@RunDepth: 23.31 psig @ 4762.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2006.10.12 End Date: 2006.10.12 Last Calib.: 2006.10.12
 Start Time: 02:34:33 End Time: 13:33:58 Time On Btm: 2006.10.12 @ 06:29:28
 Time Off Btm: 2006.10.12 @ 09:32:57

TEST COMMENT: IF Weak blow Built to 1/4 " decreased to surface
 ISI No blow
 FF No blow
 FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2355.17	125.97	Initial Hydro-static
1	15.39	125.51	Open To Flow (1)
32	17.03	126.20	Shut-In(1)
91	167.70	127.73	End Shut-In(1)
92	21.35	128.12	Open To Flow (2)
121	23.31	129.51	Shut-In(2)
183	38.39	129.78	End Shut-In(2)
184	2289.57	131.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling Mud 100%M	0.11
0.00		0.00

Gas Rates

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



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TOOL DIAGRAM

American Warrior
PO Box 399
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ATTN: James Dilts

Margary #1-6
6 31S 7W Harper KS
Job Ticket: 25449 **DST#: 2**
Test Start: 2006.10.12 @ 02:34:28

Tool Information

Drill Pipe:	Length: 4738.00 ft	Diameter: 2.80 inches	Volume: 36.08 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 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: 36.08 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4761.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4738.00	
Hydraulic tool	5.00			4743.00	
Jars	5.00			4748.00	
Safety Joint	3.00			4751.00	
Packer	5.00			4756.00	28.00 Bottom Of Top Packer
Packer	5.00			4761.00	
Stubb	1.00			4762.00	
Recorder	0.00	6798	Inside	4762.00	
Perforations	16.00			4778.00	
Recorder	0.00	13249	Outside	4778.00	
Bullnose	3.00			4781.00	20.00 Bottom Packers & Anchor

Total Tool Length: 48.00

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Job Ticket: 25449 DST#: 2
Test Start: 2006.10.12 @ 02:34:28

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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.99 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Drilling Mud 100%M	0.114
0.00		0.000

Total Length: 15.00 ft Total Volume: 0.114 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:

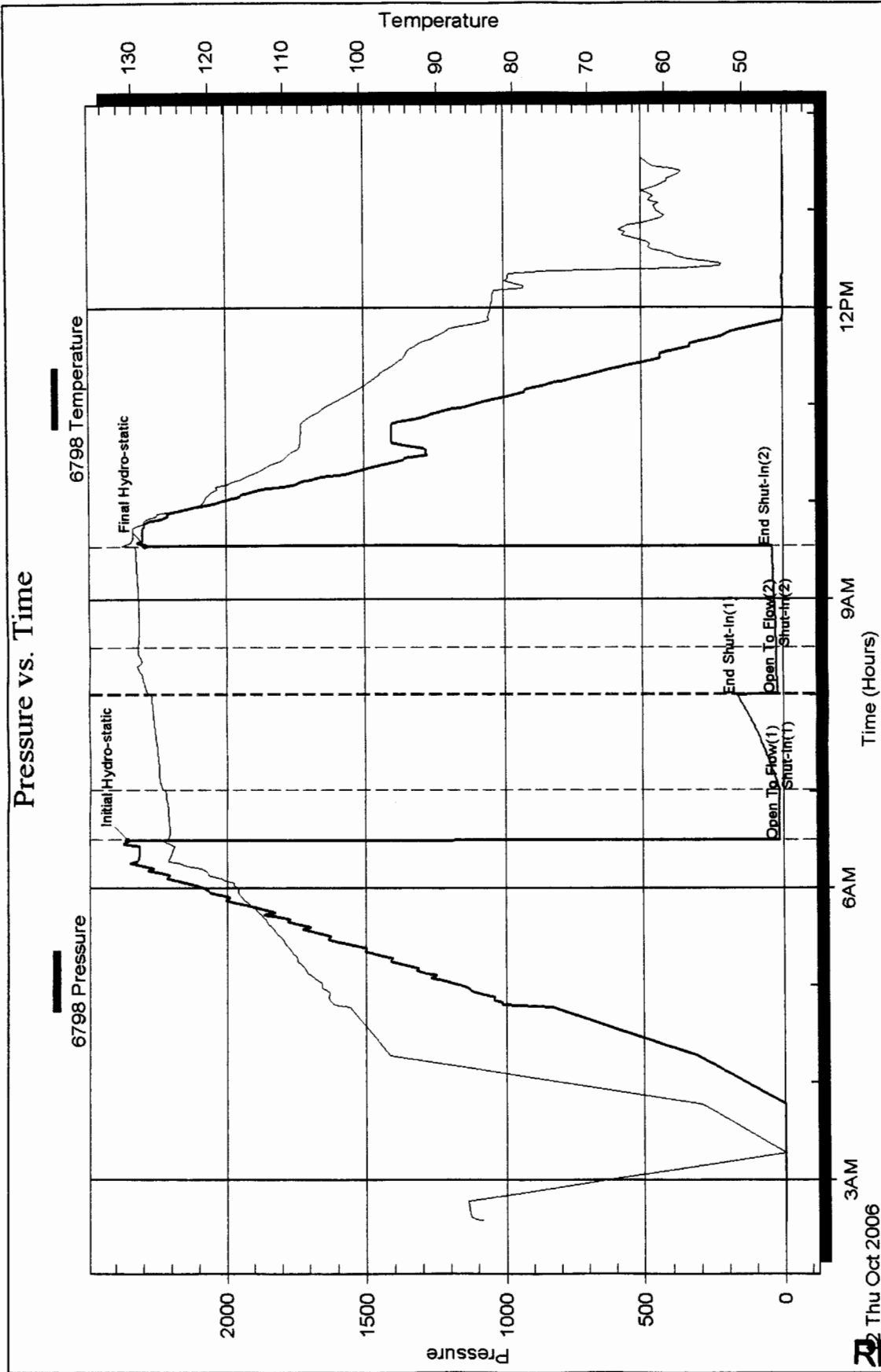
Serial #: 6798

Inside

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6 31S 7W Harper KS

DST Test Number: 2



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