

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

CONFIDENTIAL
MAY 29 2008
KCC

ATTN: James Dilts

21 32S 7W Harper KS

Burkholder #2-21

Start Date: 2008.02.21 @ 09:11:16

End Date: 2008.02.21 @ 18:46:16

Job Ticket #: 29816 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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CONSERVATION DIVISION
WICHITA, KS

Printed: 2008.02.26 @ 11:02:11 Page 1

American Warrior Inc

Burkholder #2-21

21 32S 7W Harper KS

DST # 1

Miss.

2008.02.21



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc

PO Box 399
Garden City KS 67846

ATTN: James Dilts

Burkholder #2-21

21 32S 7W Harper KS

Job Ticket: 29816

DST#: 1

Test Start: 2008.02.21 @ 09:11:16

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:10:16

Time Test Ended: 18:46:16

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **4391.00 ft (KB) To 4405.00 ft (KB) (TVD)**

Total Depth: 4405.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1396.00 ft (KB)

1386.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8167 Inside

Press@RunDepth: 36.34 psig @ 4392.00 ft (KB)

Start Date: 2008.02.21

End Date:

2008.02.21

Start Time: 09:11:21

End Time:

18:46:16

Capacity: 7000.00 psig

Last Calib.: 2008.02.21

Time On Btm: 2008.02.21 @ 12:09:46

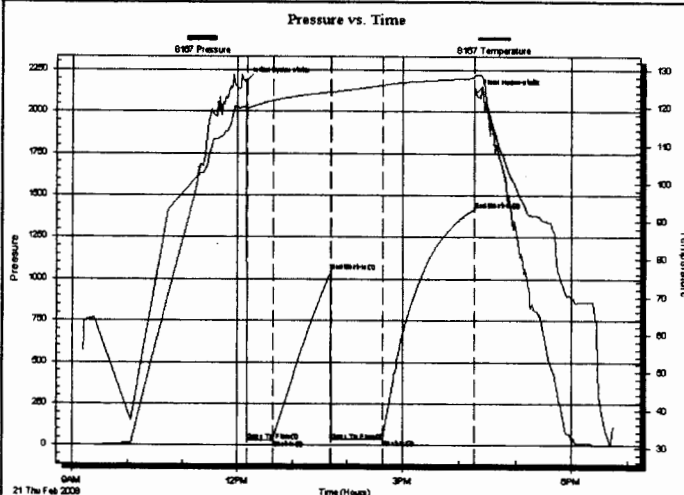
Time Off Btm: 2008.02.21 @ 16:17:31

TEST COMMENT: IF Fair to strong blow BOB in 7 mins.

ISI No blow

FF Strong blow BOB in 2 - 3 secs.

FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2183.16	120.25	Initial Hydro-static
1	27.12	119.78	Open To Flow (1)
29	30.08	121.76	Shut-In (1)
93	1043.54	124.15	End Shut-In (1)
93	24.75	123.83	Open To Flow (2)
149	36.34	125.93	Shut-In (2)
246	1415.77	127.87	End Shut-In (2)
248	2113.08	128.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SGCM 5%G 95%M	0.30
0.00	1490 ft. of GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

Burkholder #2-21

PO Box 399
Garden City KS 67846

21 32S 7W Harper KS

Job Ticket: 29816

DST#: 1

ATTN: James Dilts

Test Start: 2008.02.21 @ 09:11:16

Tool Information

Drill Pipe:	Length: 4272.00 ft	Diameter: 3.80 inches	Volume: 59.92 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 23000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 71000.00 lb
		Total Volume: 60.51 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4391.00 ft			Final 63500.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	42.00 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			4364.00	
Shut In Tool	5.00			4369.00	
Hydraulic tool	5.00			4374.00	
Jars	5.00			4379.00	
Safety Joint	3.00			4382.00	
Packer	4.00			4386.00	28.00 Bottom Of Top Packer
Packer	5.00			4391.00	
Stubb	1.00			4392.00	
Recorder	0.00	8167	Inside	4392.00	
Recorder	0.00	8357	Inside	4392.00	
Perforations	8.00			4400.00	
Bullnose	5.00			4405.00	14.00 Bottom Packers & Anchor

Total Tool Length: 42.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

Burkholder #2-21

PO Box 399
Garden City KS 67846

21 32S 7W Harper KS

Job Ticket: 29816

DST#: 1

ATTN: James Ditts

Test Start: 2008.02.21 @ 09:11:16

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

10000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	SGCM 5%G 95%M	0.295
0.00	1490 ft.of GIP	0.000

Total Length: 60.00 ft

Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

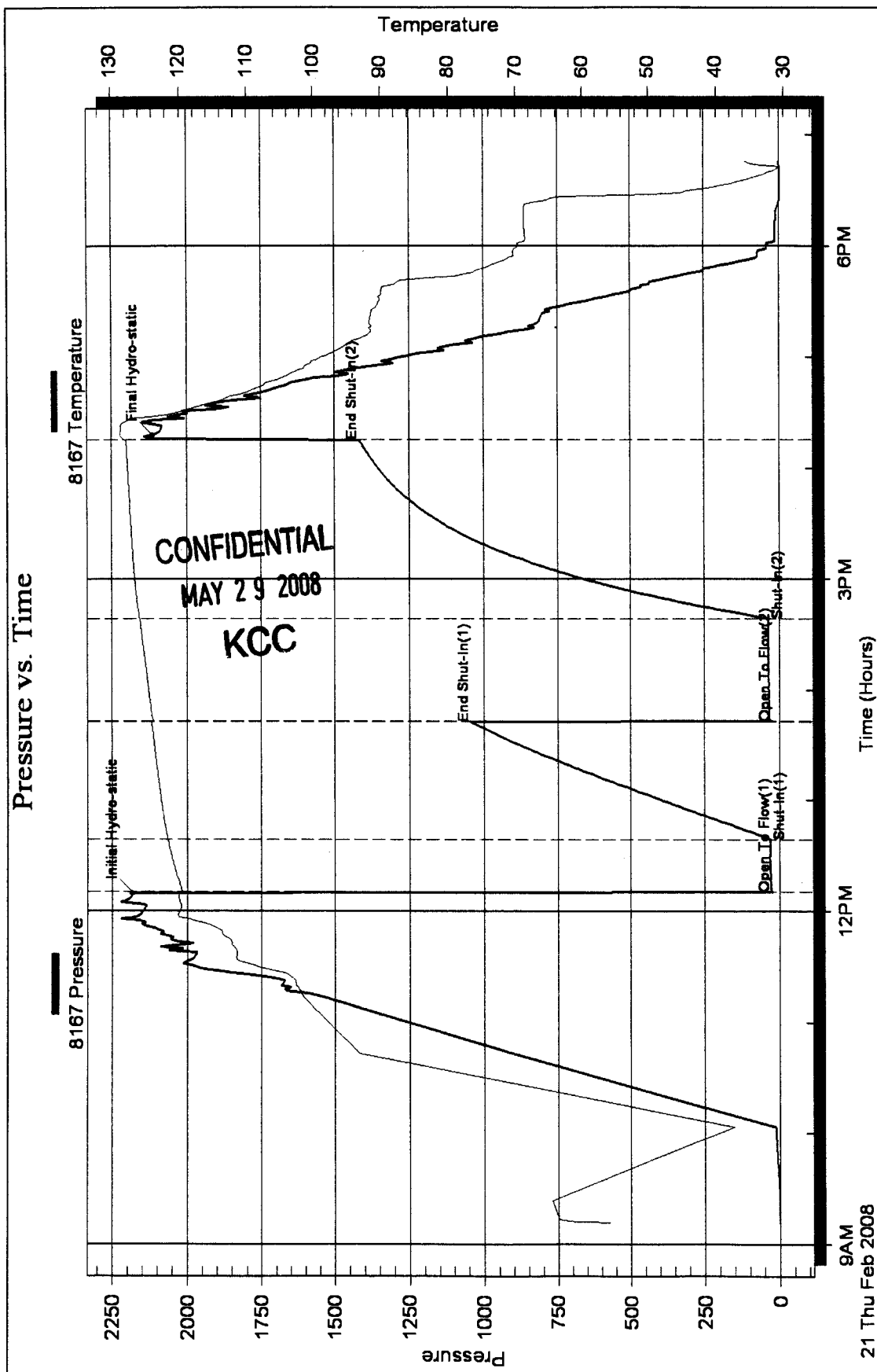
Serial #: none

Laboratory Name:

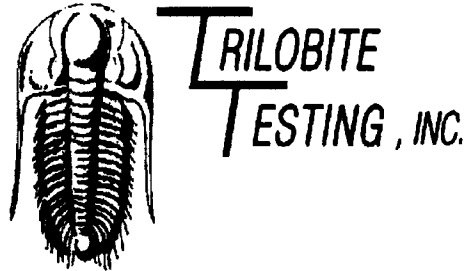
Laboratory Location:

Recovery Comments:

Pressure vs. Time



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DRILL STEM TEST REPORT

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Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: James Dilts

21 32S 7W Harper KS

Burkholder #2-21

Start Date: 2008.02.22 @ 04:41:42

End Date: 2008.02.22 @ 14:58:57

Job Ticket #: 29817 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
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DRILL STEM TEST REPORT

American Warrior Inc

PO Box 399
Garden City KS 67846

ATTN: James Dilts

Burkholder #2-21

21 32S 7W Harper KS

Job Ticket: 29817

DST#: 2

Test Start: 2008.02.22 @ 04:41:42

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 07:41:57

Time Test Ended: 14:58:57

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **39**

Interval: **4406.00 ft (KB) To 4425.00 ft (KB) (TVD)**

Total Depth: **4425.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1396.00 ft (KB)**

1386.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 8167

Inside

Press@RunDepth: **66.43 psig @ 4407.00 ft (KB)**

Start Date: **2008.02.22**

End Date:

2008.02.22

Start Time: **04:41:47**

End Time:

14:58:57

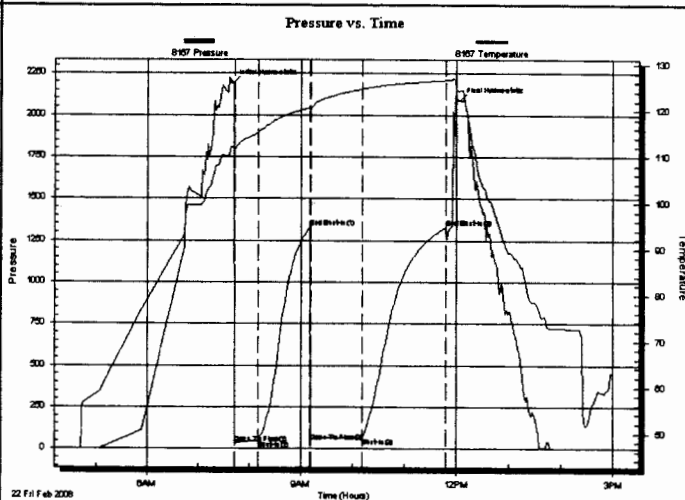
Capacity: **7000.00 psig**

Last Calib.: **2008.02.22**

Time On Btm: **2008.02.22 @ 07:40:12**

Time Off Btm: **2008.02.22 @ 12:02:57**

TEST COMMENT: IF Fair to strong blow BOB in 26 mins.
ISI No blow
FF Fair to strong blow BOB in 25 mins.
FSI Weak blow 1/4 " or less.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2190.05	112.19	Initial Hydro-static
2	31.83	111.46	Open To Flow (1)
30	50.63	115.22	Shut-in (1)
90	1331.01	120.60	End Shut-in (1)
91	40.75	120.25	Open To Flow (2)
151	66.43	124.66	Shut-in (2)
248	1332.29	126.65	End Shut-in (2)
263	2086.46	124.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
145.00	GOcWM 16%G 8%O 31%W 45%MRw	10.94
0.00	CHMS@ 46 deg.	0.00
0.00	625 ft. of GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

PO Box 399
Garden City KS 67846

ATTN: James Dilts

Burkholder #2-21

21 32S 7W Harper KS

Job Ticket: 29817

DST#:2

Test Start: 2008.02.22 @ 04:41:42

Tool Information

Drill Pipe:	Length: 4272.00 ft	Diameter: 3.80 inches	Volume: 59.92 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	23000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	108000.0 lb
		Total Volume:	60.51 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	4406.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	19.00 ft				
Tool Length:	47.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

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Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4379.00	
Shut In Tool	5.00			4384.00	
Hydraulic tool	5.00			4389.00	
Jars	5.00			4394.00	
Safety Joint	3.00			4397.00	
Packer	4.00			4401.00	28.00 Bottom Of Top Packer
Packer	5.00			4406.00	
Stubb	1.00			4407.00	
Recorder	0.00	8167	Inside	4407.00	
Recorder	0.00	8357	Inside	4407.00	
Perforations	13.00			4420.00	
Bullnose	5.00			4425.00	19.00 Bottom Packers & Anchor

Total Tool Length: 47.00



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PO Box 399
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21 32S 7W Harper KS

Job Ticket: 29817

DST#: 2

ATTN: James Dilts

Test Start: 2008.02.22 @ 04:41:42

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:

85000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
145.00	GOcWM 16%G 8%O 31%W 45%MRw .13	0.941
0.00	OHMS@ 46 deg.	0.000
0.00	625 ft.of GIP	0.000

Total Length: 145.00 ft

Total Volume: 0.941 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 2

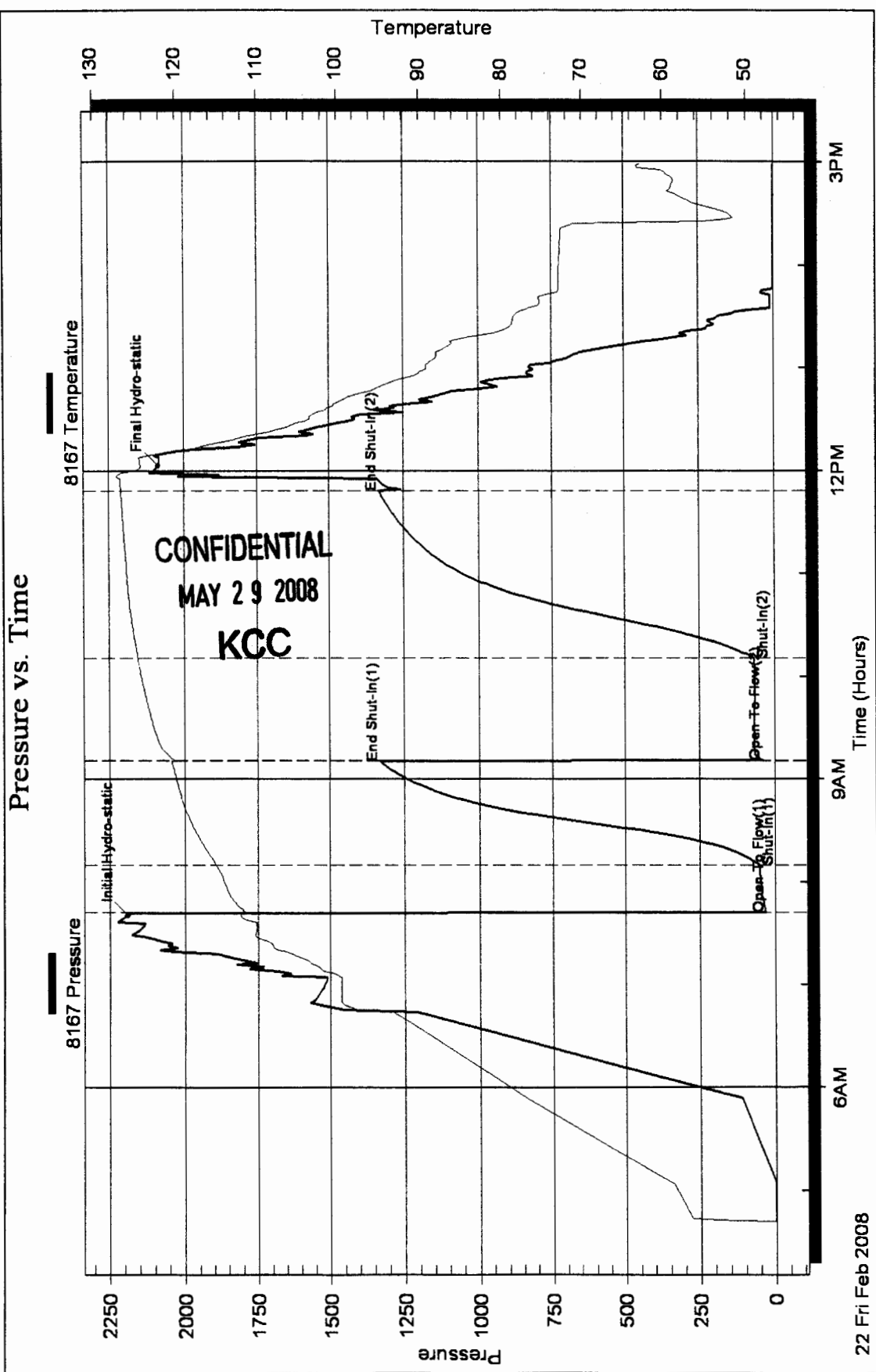
21 32S7W Harper KS

American Warrior Inc

Inside

Serial #: 8167

Pressure vs. Time



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Ref. No: 29817

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