



**TRILOBITE
TESTING, INC.**

RECEIVED
JUN 07 2004
KCC WICHITA

DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

ORIGINAL

PO Box 399
Garden City, KS.67846

CONFIDENTIAL

ATTN: Gator

KCC

8-8-21-Graham

JUN 02 2004

Hart #1-8 **CONFIDENTIAL**

Start Date: 2004.05.06 @ 21:07:20

End Date: 2004.05.07 @ 02:42:35

Job Ticket #: 17394

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior, Inc.

PO Box 399
Garden City, KS.67846

ATTN: Gator

Hart #1-8

8-8-21-Graham

Job Ticket: 17394

DST#: 1

Test Start: 2004.05.06 @ 21:07:20

GENERAL INFORMATION:

Formation: **Toronto-A**

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

Time Tool Opened: 22:31:30

Time Test Ended: 02:42:35

Test Type: **Conventional Bottom Hole**

Tester: **Jason Mclemore**

Unit No: **24**

Interval: **3150.00 ft (KB) To 3214.00 ft (KB) (TVD)**

Total Depth: **3214.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **2026.00 ft (KB)**

2016.00 ft (CF)

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

Serial #: 6753 **Inside**

Press@RunDepth: **141.53 psig @ 3154.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2004.05.06**

End Date: **2004.05.07**

Last Calib.: **1899.12.30**

Start Time: **21:07:50**

End Time: **02:42:35**

Time On Btmr: **2004.05.06 @ 22:31:20**

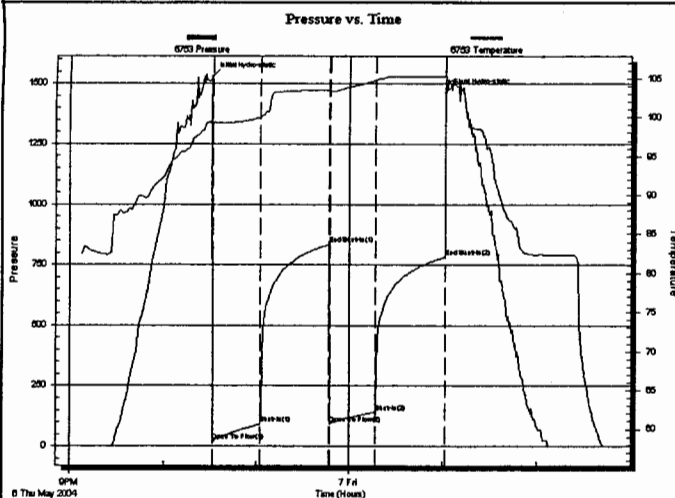
Time Off Btmr: **2004.05.07 @ 01:02:10**

TEST COMMENT: **FFP-Good Blow, BOB in 12 min**

ISI- No Blow back

FFP-Good Blow, Built to 8-1/2"

FSI- No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1527.23	99.57	Initial Hydro-static
1	18.96	98.97	Open To Flow (1)
32	90.61	99.99	Shut-In(1)
76	832.90	103.52	End Shut-In(1)
76	93.19	103.32	Open To Flow (2)
106	141.53	104.75	Shut-In(2)
151	782.55	105.17	End Shut-In(2)
151	1464.57	105.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Oil	0.01
279.00	Muddy Water W/Oil Show 5%O, 40%W, 3.91%M	
0.00	Tool 10%O, 55%W, 35%M	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.

Hart #1-8

PO Box 399
Garden City, KS.67846

8-8-21-Graham

Job Ticket: 17394

DST#: 1

ATTN: Gator

Test Start: 2004.05.06 @ 21:07:20

Tool Information

Drill Pipe:	Length: 3144.00 ft	Diameter: 3.80 inches	Volume: 44.10 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 54000.00 lb
		Total Volume: 44.10 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3150.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	85.00 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			3130.00	
Shut In Tool	5.00			3135.00	
Hydraulic tool	5.00			3140.00	
Packer	5.00			3145.00	21.00 Bottom Of Top Packer
Packer	5.00			3150.00	
Stubb	1.00			3151.00	
Perforations	2.00			3153.00	
Change Over Sub	1.00			3154.00	
Recorder	0.00	6753	Inside	3154.00	
Blank Spacing	31.00			3185.00	
Change Over Sub	1.00			3186.00	
Perforations	25.00			3211.00	
Recorder	0.00	13252	Outside	3211.00	
Bullnose	3.00			3214.00	64.00 Bottom Packers & Anchor

Total Tool Length: 85.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

Hart #1-8

PO Box 399
Garden City, KS.67846

8-8-21-Graham

Job Ticket: 17394

DST#: 1

ATTN: Gator

Test Start: 2004.05.06 @ 21:07:20

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:

50000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.18 in³

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	Oil	0.014
279.00	Muddy Water W/Oil Show 5%O, 40%W, 55%	3.914
0.00	Tool 10%O, 55%W, 35%M	0.000

Total Length: 280.00 ft

Total Volume: 3.928 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

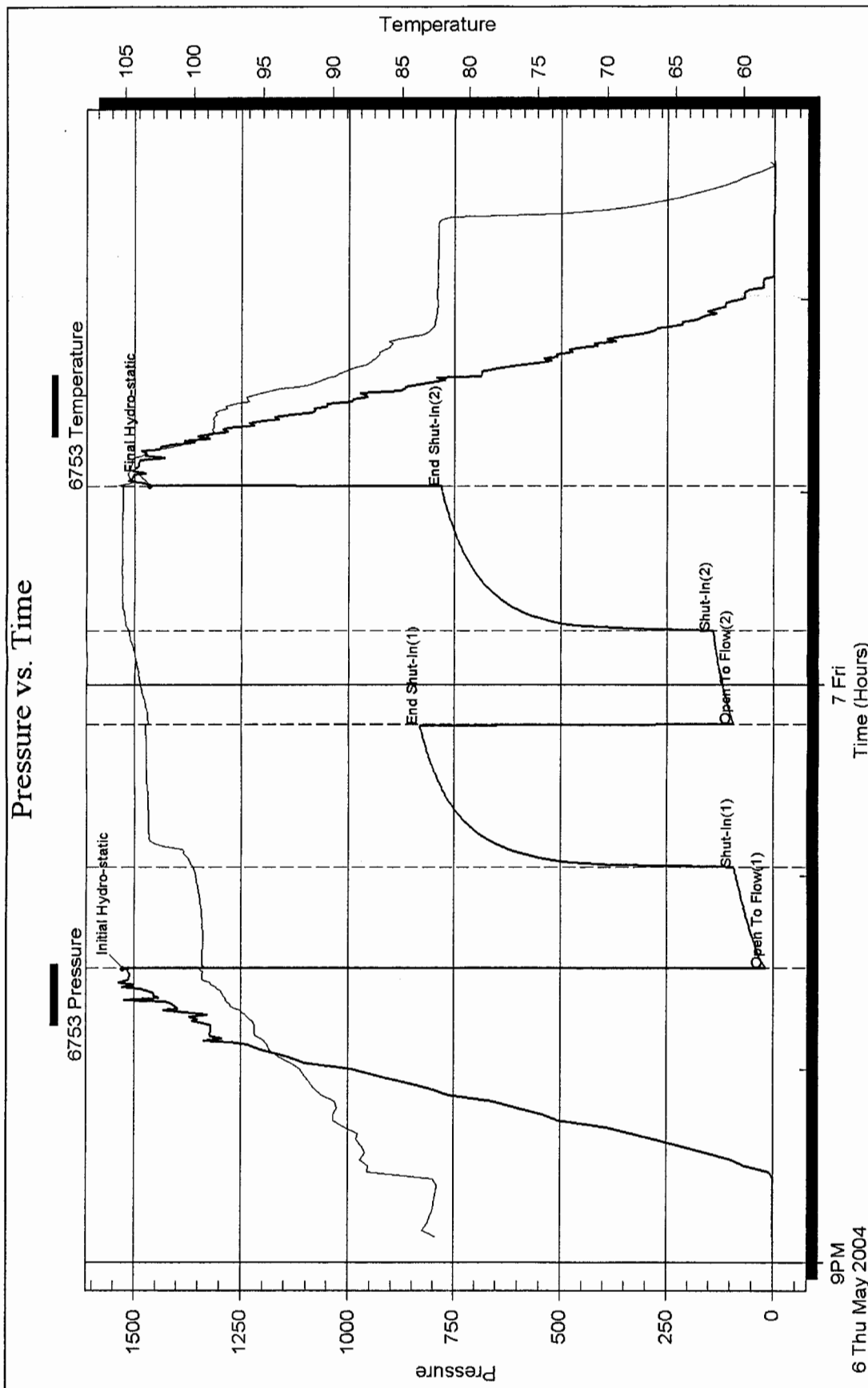
DST Test Number: 1

8-8-21-Graham

Inside American Warrior, Inc.

Serial #: 6753

Pressure vs. Time

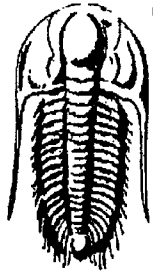


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Trilobite Testing, Inc

Ref. No: 17394

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City, KS.67846

ATTN: Gator

8-8-21-Graham

Hart #1-8

Start Date: 2004.05.07 @ 09:37:11

End Date: 2004.05.07 @ 13:51:11

Job Ticket #: 17395 DST #: 2

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American Warrior, Inc.

Hart #1-8

8-8-21-Graham

DST # 2

C-D

2004.05.07

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior, Inc.

PO Box 399
Garden City, KS.67846

ATTN: Gator

Hart #1-8

8-8-21-Graham

Job Ticket: 17395

DST#:2

Test Start: 2004.05.07 @ 09:37:11

GENERAL INFORMATION:

Formation: C-D

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:47:51

Time Test Ended: 13:51:11

Test Type: Conventional Bottom Hole

Tester: Jason Mclemore

Unit No: 24

Interval: 3248.00 ft (KB) To 3290.00 ft (KB) (TVD)

Total Depth: 3290.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2026.00 ft (KB)

2016.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6753

Inside

Press@RunDepth: 17.52 psig @ 3257.00 ft (KB)

Start Date: 2004.05.07

End Date:

2004.05.07

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Start Time: 09:37:41

End Time:

13:51:11

Time On Btmr: 2004.05.07 @ 10:47:41

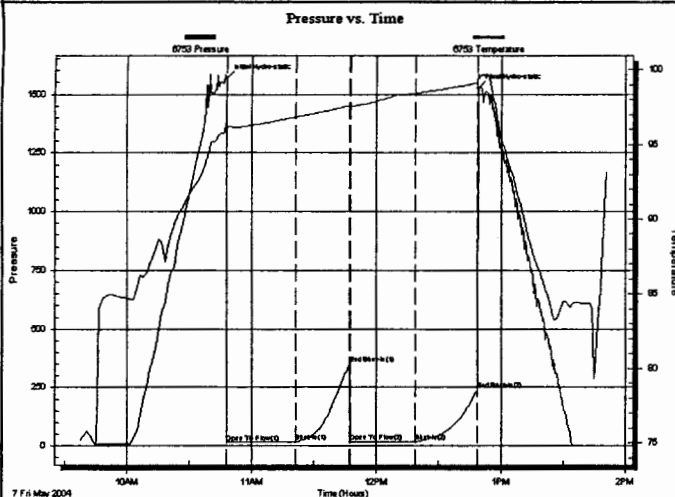
Time Off Btmr: 2004.05.07 @ 12:48:51

TEST COMMENT: IFP-Weak Blow ,Built to 1/4"

ISF- No Blow back

FFP-No Blow

FSI-No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1568.78	96.46	Initial Hydro-static
1	15.46	95.84	Open To Flow (1)
34	16.75	96.84	Shut-In(1)
60	350.02	97.60	End Shut-In(1)
60	17.26	97.47	Open To Flow (2)
91	17.52	98.43	Shut-In(2)
121	238.48	99.13	End Shut-In(2)
122	1526.83	99.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 10%Oil, 90%Mud	0.07

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.

Hart #1-8

PO Box 399
Garden City, KS.67846

8-8-21-Graham

Job Ticket: 17395

DST#: 2

ATTN: Gator

Test Start: 2004.05.07 @ 09:37:11

Tool Information

Drill Pipe:	Length: 3237.00 ft	Diameter: 3.80 inches	Volume: 45.41 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	65000.00 lb
			Total Volume: 45.41 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	3248.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	42.00 ft				
Tool Length:	63.00 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
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Change Over Sub	1.00			3228.00	
Shut In Tool	5.00			3233.00	
Hydraulic tool	5.00			3238.00	
Packer	5.00			3243.00	21.00 Bottom Of Top Packer
Packer	5.00			3248.00	
Stubb	1.00			3249.00	
Perforations	8.00			3257.00	
Recorder	0.00	6753	Inside	3257.00	
Perforations	30.00			3287.00	
Recorder	0.00	13252	Outside	3287.00	
Bullnose	3.00			3290.00	42.00 Bottom Packers & Anchor

Total Tool Length: 63.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

Hart #1-8

PO Box 399
Garden City, KS.67846

8-8-21-Graham

Job Ticket: 17395

DST#: 2

ATTN: Gator

Test Start: 2004.05.07 @ 09:37:11

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	SOCM 10%Oil, 90%Mud	0.070

Total Length: 5.00 ft

Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6753

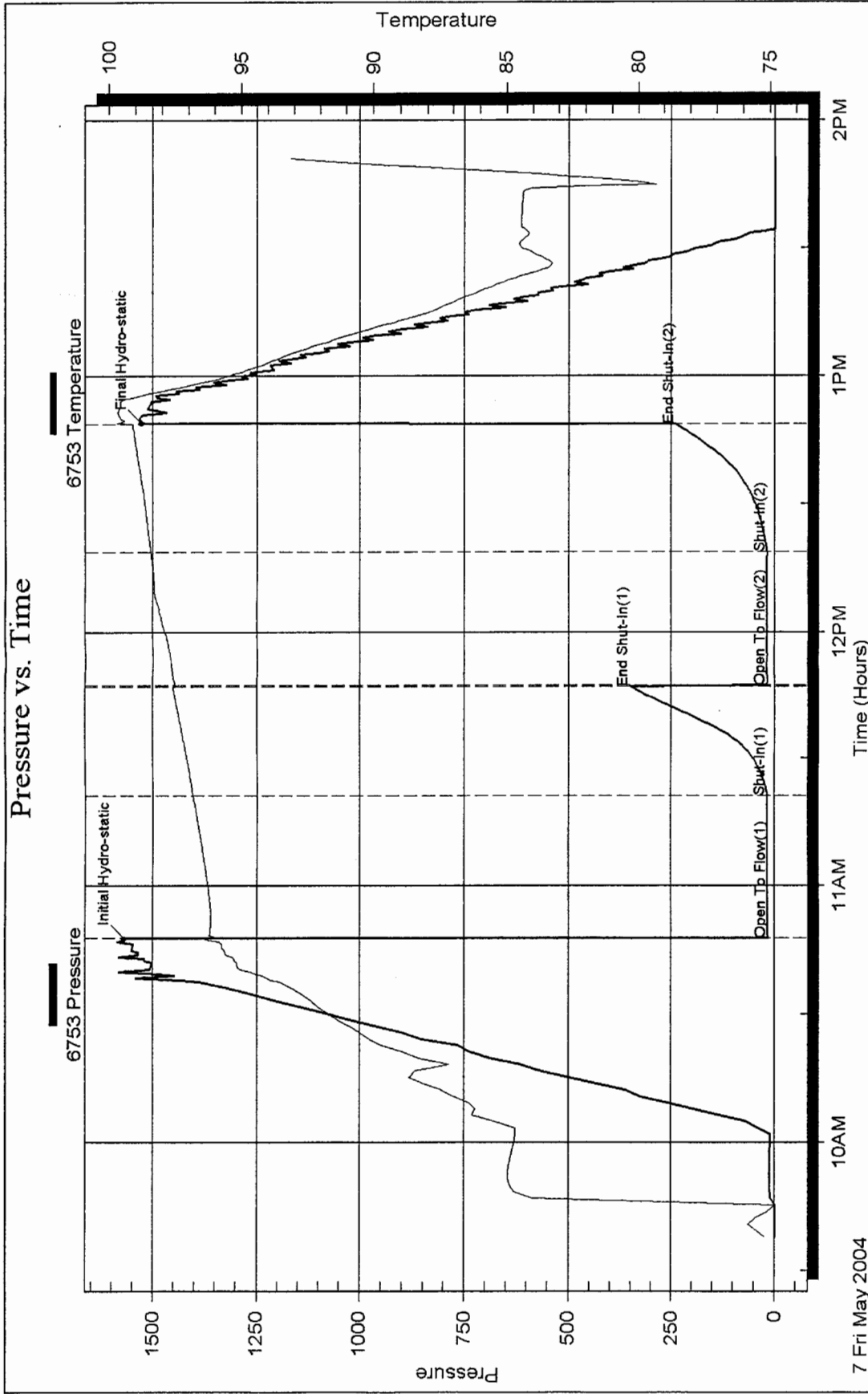
Inside

American Warrior, Inc.

8-8-21-Graham

DST Test Number: 2

Pressure vs. Time



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Trilobite Testing, Inc

Ref. No: 17395

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DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City, KS.67846

ATTN: Gator

8-8-21-Graham

Hart #1-8

Start Date: 2004.05.08 @ 06:37:28

End Date: 2004.05.08 @ 12:01:13

Job Ticket #: 17396

DST #: 3

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American Warrior, Inc.

Hart #1-8

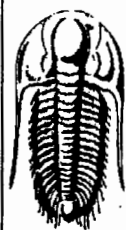
8-8-21-Graham

DST # 3

K

2004.05.08

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior, Inc.

PO Box 399
Garden City, KS.67846

ATTN: Gator

Hart #1-8

8-8-21-Graham

Job Ticket: 17396

DST#: 3

Test Start: 2004.05.08 @ 06:37:28

GENERAL INFORMATION:

Formation: K

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:57:58

Time Test Ended: 12:01:13

Test Type: Conventional Bottom Hole

Tester: Jason Mclemore

Unit No: 24

Interval: 3394.00 ft (KB) To 3430.00 ft (KB) (TVD)

Total Depth: 3430.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2026.00 ft (KB)

2016.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6753

Inside

Press@RunDepth: 136.39 psig @ 3402.00 ft (KB)

Start Date: 2004.05.08

End Date:

2004.05.08

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Start Time: 06:37:58

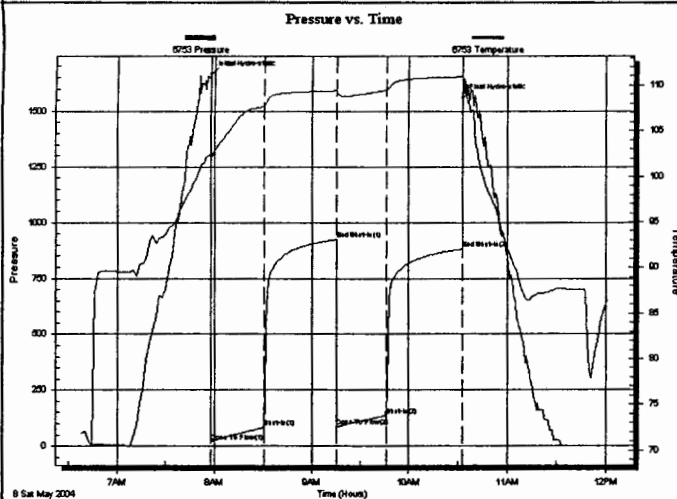
End Time:

12:01:13

Time On Btm: 2004.05.08 @ 07:57:48

Time Off Btm: 2004.05.08 @ 10:32:58

TEST COMMENT: IFP-Strong Blow, BOB in 4-1/2 min.
IS- Blow back Built to 7-1/2"
FFP-Strong Blow, BOB in 3-1/2 min.
FSI-Blow back Built to 9"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1663.67	102.66	Initial Hydro-static
1	18.80	101.59	Open To Flow (1)
33	84.89	107.73	Shut-In(1)
78	923.58	109.43	End Shut-In(1)
78	87.75	109.21	Open To Flow (2)
108	136.39	109.47	Shut-In(2)
155	880.73	110.90	End Shut-In(2)
156	1559.68	111.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	HGOCM-25%G-25%O-50%M	0.14
235.00	Gassy Oil-45%G-55%O	3.30
95.00	Clean Oil	1.33

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.

Hart #1-8

PO Box 399
Garden City, KS.67846

8-8-21-Graham

Job Ticket: 17396

DST#: 3

ATTN: Gator

Test Start: 2004.05.08 @ 06:37:28

Tool Information

Drill Pipe: Length: 3389.00 ft Diameter: 3.80 inches Volume: 47.54 bbl
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 2.25 inches Volume: 0.00 bbl
Drill Collar: Length: 0.00 ft Diameter: 2.25 inches Volume: 0.00 bbl
Total Volume: 47.54 bbl

Tool Weight: 2400.00 lb
Weight set on Packer: 25000.00 lb
Weight to Pull Loose: 60000.00 lb
Tool Chased 0.00 ft
String Weight: Initial 55000.00 lb
Final 55000.00 lb

Drill Pipe Above KB: 16.00 ft
Depth to Top Packer: 3394.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 36.00 ft
Tool Length: 57.00 ft

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

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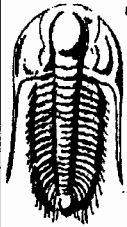
JUN 07 2004

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3374.00	
Shut In Tool	5.00			3379.00	
Hydraulic tool	5.00			3384.00	
Packer	5.00			3389.00	21.00 Bottom Of Top Packer
Packer	5.00			3394.00	
Stubb	1.00			3395.00	
Perforations	7.00			3402.00	
Recorder	0.00	6753	Inside	3402.00	
Perforations	25.00			3427.00	
Recorder	0.00	13252	Outside	3427.00	
Bullnose	3.00			3430.00	36.00 Bottom Packers & Anchor

Total Tool Length: 57.00



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

Hart #1-8

PO Box 399
Garden City, KS.67846

8-8-21-Graham

Job Ticket: 17396

DST#: 3

ATTN: Gator

Test Start: 2004.05.08 @ 06:37:28

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: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	HGOCM-25%G-25%O-50%M	0.140
235.00	Gassy Oil-45%G-55%O	3.296
95.00	Clean Oil	1.333

Total Length: 340.00 ft

Total Volume: 4.769 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

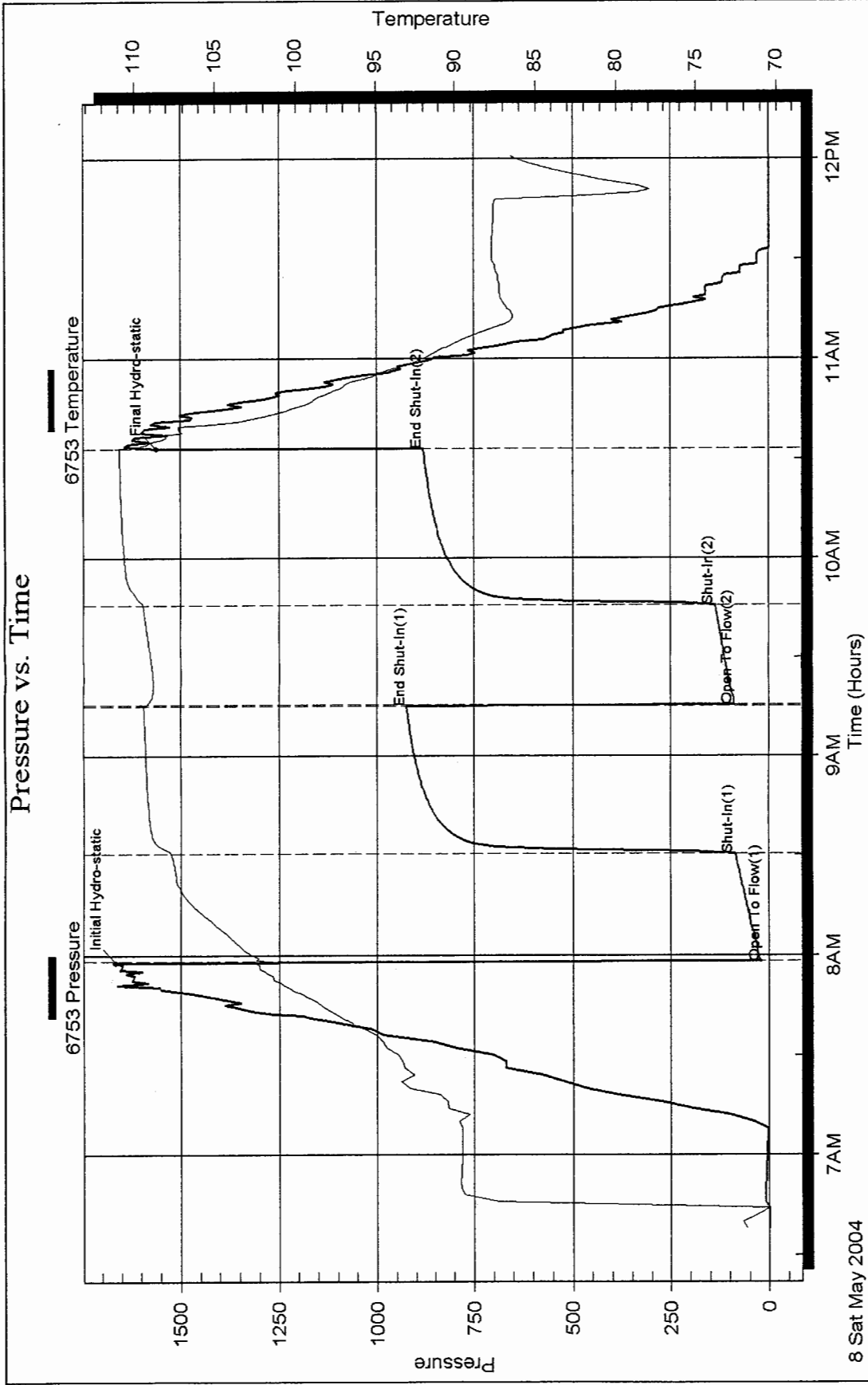
Serial #: 6753

Inside

American Warrior, Inc.

8-8-21-Graham

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 17396

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Printed: 2004.05.18 @ 09:48:11 Page 5