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1-31s-19w
ORIGINAL

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TRILOBITE
TESTING, INC.

KCC

MAY 28 2002

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DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

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P.O. Box 399
Garden City, KS 67846

ATTN: Al Downing

ORIGINAL

1-31s-19w Comanche K

Thompson #1-1

Start Date: 2002.04.30 @ 23:07:54

End Date: 2002.05.01 @ 06:47:39

Job Ticket #: 15775

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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ORIGINAL


**TRILOBITE
TESTING, INC.**
DRILL STEM TEST REPORT

American Warrior Inc.

Thompson #1-1

P.O. Box 399
Garden City, KS 67846

1-31s-19w Comanche K

ATTN: Al Downing

Job Ticket: 15775

DST#: 1

Test Start: 2002.04.30 @ 23:07:54

GENERAL INFORMATION:
Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:36:24

Time Test Ended: 06:47:39

Interval: 5120.00 ft (KB) To 5162.00 ft (KB) (TVD)

Total Depth: 5162.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

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Test Type: Conventional Bottom Hole

Tester: Gary Pavoteaux

Unit No: 23

Reference Elevations: 1913.00 ft (KB)

1900.00 ft (CF)

KB to GR/CF: 13.00 ft

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Serial #: 2342

Inside

Press@RunDepth: 148.46 psig @ 5121.00 ft (KB)

Start Date: 2002.04.30

End Date:

2002.05.01

Capacity:

7000.00 psig

Start Time:

23:07:55

End Time:

06:47:39

Last Calib.:

2002.05.01

Time On Btm:

2002.05.01 @ 01:35:54

Time Off Btm:

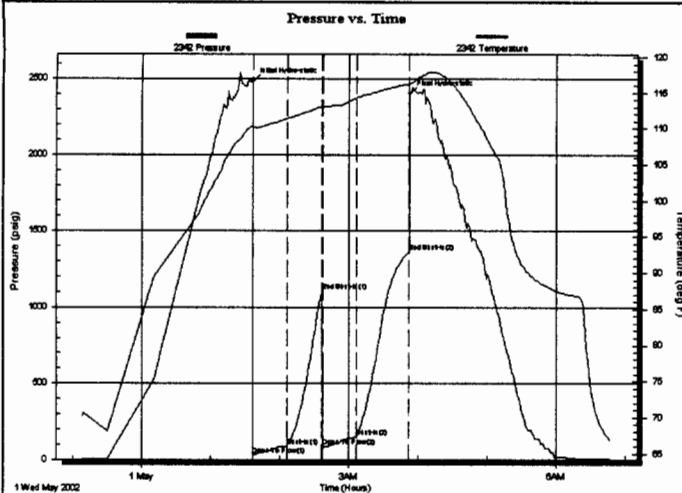
2002.05.01 @ 03:52:24

TEST COMMENT: IF:Weak blow, 1 - 2".

IS:No blow.

FF:Weak to fair blow, 2 - 6".

FS:No blow.

JAN 19 2003

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2482.91	110.28	Initial Hydro-static
1	29.62	110.29	Open To Flow (1)
30	88.20	111.40	Shut-in(1)
61	1106.66	113.12	End Shut-in(1)
61	86.60	113.14	Open To Flow (2)
91	148.46	114.31	Shut-in(2)
136	1360.46	116.24	End Shut-in(2)
137	2401.50	116.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
255.00	SGCM 5%g 95% m	1.25
0.00	Trace of gas in pipe	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.

Thompson #1-1

 P.O. Box 399
 Garden City, KS 67846

1-31s-19w Comanche K

Job Ticket: 15775

DST#: 1

ATTN: Al Downing

Test Start: 2002.04.30 @ 23:07:54

Tool Information

Drill Pipe:	Length: 4746.00 ft	Diameter: 3.80 inches	Volume: 66.57 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: 20000.00 lb
Drill Collar:	Length: 370.00 ft	Diameter: 2.25 inches	Volume: 1.82 bbl	Weight to Pull Loose: 110000.0 lb
		Total Volume: 68.39 bbl		Tool Chased 1.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	5120.00 ft			Final 81000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	69.00 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
C.O. Sub	1.00			5094.00	
S.I. Tool	5.00			5099.00	
HMV	5.00			5104.00	
Jars	5.00			5109.00	
Safety Joint	2.00			5111.00	
Packer	4.00			5115.00	27.00 Bottom Of Top Packer
Packer	5.00			5120.00	
Stubb	1.00			5121.00	
Recorder	0.00	2342	Inside	5121.00	
Perforations	4.00			5125.00	
C.O. Sub	1.00			5126.00	
Blank Spacing	30.00			5156.00	
C.O. Sub	1.00			5157.00	
Recorder	0.00	10248	Outside	5157.00	
Bullnose	5.00			5162.00	42.00 Bottom Packers & Anchor

Total Tool Length: 69.00



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

Thompson #1-1

P.O. Box 399
Garden City, KS 67846

1-31s-19w Comanche K

Job Ticket: 15775

DST#: 1

ATTN: Al Downing

Test Start: 2002.04.30 @ 23:07:54

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:

7000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
255.00	SGCM 5%g 95%m	1.254
0.00	Trace of gas in pipe	0.000

Total Length: 255.00 ft

Total Volume: 1.254 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

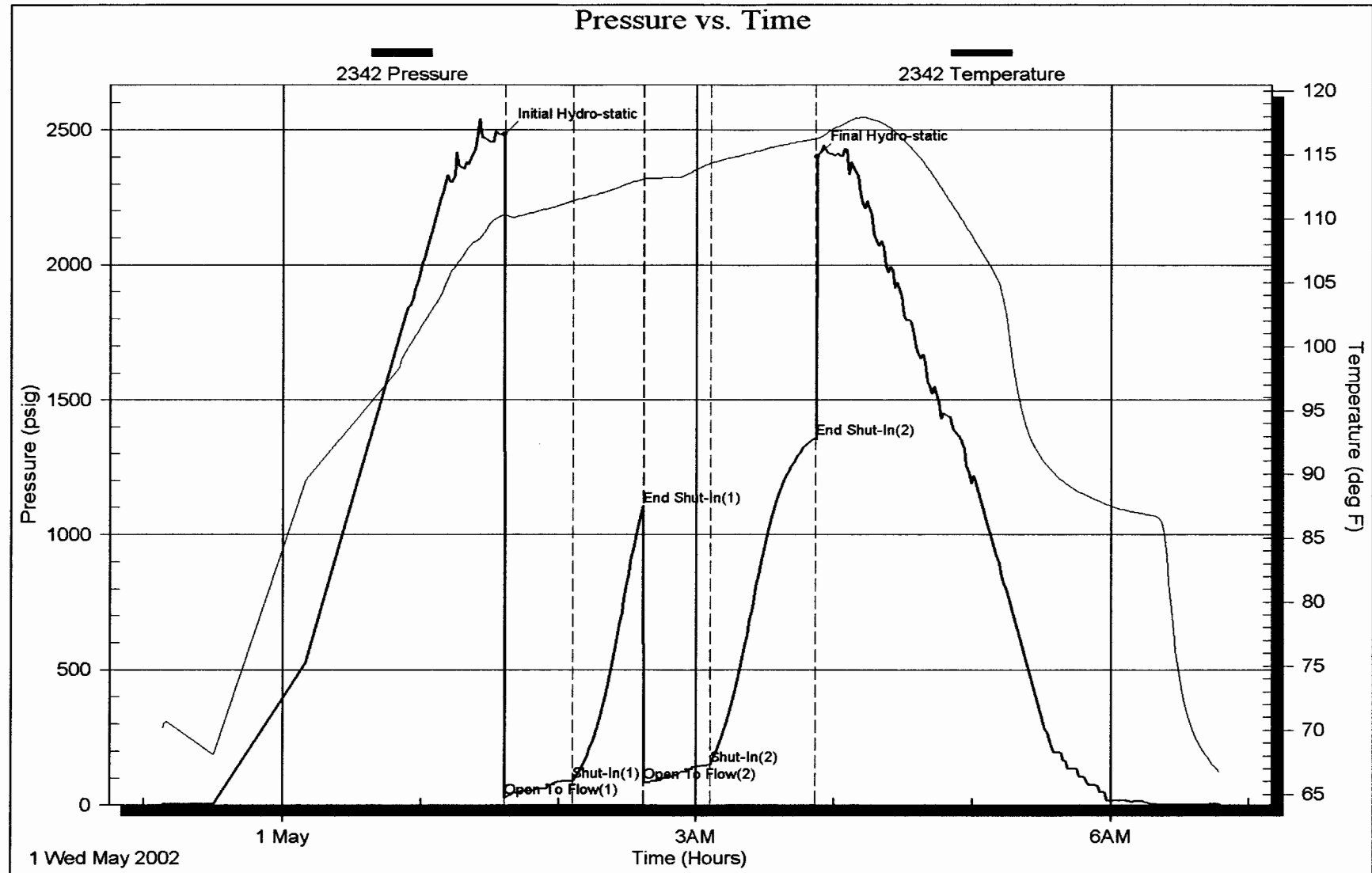
Recovery Comments:

Serial #: 2342

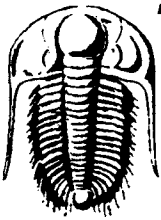
Inside American Warrior Inc.

1-31s-19w Comanche K

DST Test Number: 1



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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15775

Test Ticket

4-30-2002

Well Name & No. <u>Thompson #1-1</u>	Test No. <u>1</u>	Date <u>5-1-2002</u>
Company <u>American Warrior Inc.</u>	Zone Tested <u>Miss</u>	
Address <u>P.O. Box 399, Garden City, KS. 67846</u>	Elevation <u>1913</u>	KB <u>1900</u> GL
Co. Rep / Geo. <u>Al Downing</u>	Cont. <u>Duke Dalg. #7</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>1</u> Twp. <u>31S</u> Rge. <u>19W</u>	Co. <u>Comanche</u>	State <u>KS.</u>
No. of Copies <u>5</u>	Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>5120 - 5162'</u>	Initial Str Wt./Lbs. <u>80,000</u>	Unseated Str Wt./Lbs. <u>81,000</u>
Anchor Length <u>42'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>110,000</u>
Top Packer Depth <u>5115'</u>	Tool Weight <u>2100 #</u>	
Bottom Packer Depth <u>5120'</u>	Hole Size — 7 7/8" <u>✓</u>	Rubber Size — 6 3/4" <u>✓</u>
Total Depth <u>5162'</u>	Wt. Pipe Run <u>None</u>	Drill Collar Run <u>370'</u>
Mud Wt. <u>9.0</u> LCM <u>3#</u> Vis. <u>119</u> WL <u>9.2cc</u>	Drill Pipe Size <u>4 1/2" X.H.</u>	Ft. Run <u>4746'</u>
Blow Description <u>IF: Weak below. 1-2".</u>	<u>ISI: No blow.</u>	

FF: Weak to fair below. 2-6" - ESI: No blow.
Comment: Outside recorder plugging action in lower anchor!

Recovery — Total Feet <u>255</u>	GIP <u>Trace</u>	Ft. in DC <u>255</u>	Ft. in DP <u>0</u>
Rec. <u>255</u> Feet Of <u>SGCM</u>	<u>5</u> %gas	%oil	<u>95</u> %water %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud
BHT <u>116</u> °F Gravity <u>N/A</u>	°API D@ <u> </u>	°F Corrected Gravity <u>N/A</u>	°API
RW <u>N.C.</u> @ <u> </u> °F	Chlorides <u>7,000</u> ppm	Recovery Chlorides <u>7,000</u> ppm	System

(A) Initial Hydrostatic Mud	AK-1 <u>2494</u> PSI	Alpine <u>2342</u> PSI	Recorder No. <u>2342</u>	T-On Location <u>2205</u>
(B) First Initial Flow Pressure	<u>30</u> PSI	(depth) <u>5121'</u>	T-Started <u>2307</u>	
(C) First Final Flow Pressure	<u>88</u> PSI	Recorder No. <u>10248</u>	T-Open <u>0136</u>	
(D) Initial Shut-In Pressure	<u>1107</u> PSI	(depth) <u>5157'</u>	T-Pulled <u>0351</u>	
(E) Second Initial Flow Pressure	<u>87</u> PSI	Recorder No. <u> </u>	T-Out <u>0647</u>	
(F) Second Final Flow Pressure	<u>148</u> PSI	(depth) <u> </u>	T-Off Location <u>0735</u>	
(G) Final Shut-in Pressure	<u>1360</u> PSI	Initial Opening <u>30</u>	Test <u>✓</u> <u>900.00</u>	
(Q) Final Hydrostatic Mud	<u>2419</u> PSI	Initial Shut-in <u>30</u>	Jars <u>✓</u> <u>200.00</u>	
		Final Flow <u>30</u>	Safety Joint <u>✓</u> <u>50.00</u>	
		Final Shut-in <u>45</u>	Straddle <u> </u>	
			Circ. Sub <u> </u>	
			Sampler <u> </u>	
			Extra Packer <u> </u>	
			Elec. Rec. <u>✓</u> <u>150.00</u>	
			Mileage <u>✓</u> <u>60</u>	
			Other <u> </u>	
			TOTAL PRICE \$ <u>✓</u> <u>1360.00</u>	

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Approved By

Our Representative Cory P. Thompson

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart

