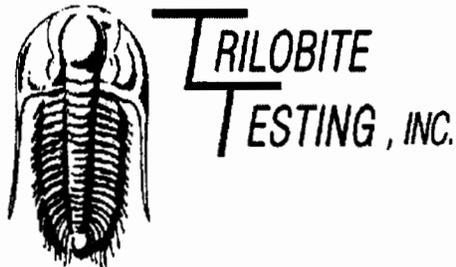


15-033-21280

RECEIVED

DEC 06 2002

KCC WICHITA



## DRILL STEM TEST REPORT

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

P.O.Box 399  
Garden City, KS 67846

ATTN: Al Downing

**13 32s 19w Comanche**

**Myers/Clark Trust #1**

Start Date: 2001.12.09 @ 10:04:31

End Date: 2001.12.09 @ 18:15:31

Job Ticket #: 15751                      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.  
P.O.Box 399  
Garden City, KS 67846  
ATTN: Al Downing

**Myers/Clark Trust #1**  
**13 32s 19w Comanche**  
Job Ticket: 15751      **DST#: 1**  
Test Start: 2001.12.09 @ 10:04:31

## GENERAL INFORMATION:

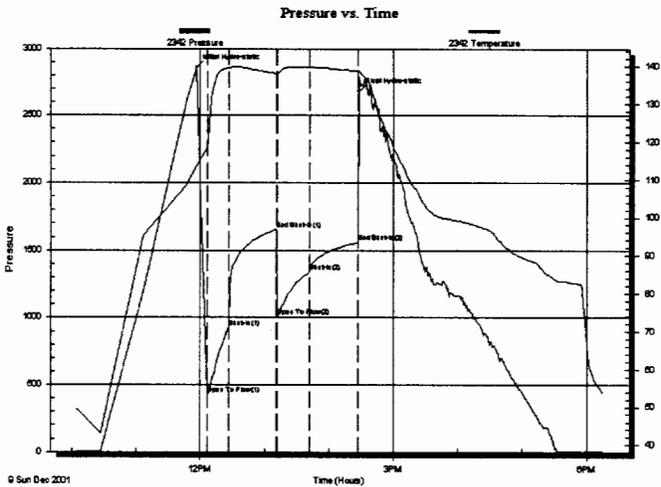
Formation: **Viola**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 12:06:46  
Time Test Ended: 18:15:31  
Interval: **5781.00 ft (KB) To 5807.00 ft (KB) (TVD)**  
Total Depth: 5807.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Gary Pevoteaux  
Unit No: 13  
Reference Elevations: 2084.00 ft (KB)  
2071.00 ft (CF)  
KB to GR/CF: 13.00 ft

## Serial #: 2342

Inside

Press@RunDepth: 1340.15 psig @ 5782.00 ft (KB) Capacity: 7000.00 psig  
Start Date: 2001.12.09 End Date: 2001.12.09 Last Calib.: 2001.12.09  
Start Time: 10:04:32 End Time: 18:15:31 Time On Btm: 2001.12.09 @ 11:56:31  
Time Off Btm: 2001.12.09 @ 14:27:31

TEST COMMENT: IF: Strong blow . B.O.B. in 60 secs.  
IS: Weak blow . 1 - 3".  
FF: Strong blow . B.O.B. in 70 secs.  
FS: Weak blow . 1/2"+.



## PRESSURE SUMMARY

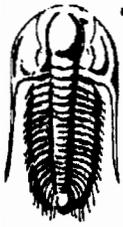
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2856.81	113.34	Initial Hydro-static
11	431.97	118.49	Open To Flow (1)
30	927.14	139.62	Shut-in(1)
75	1653.62	138.13	End Shut-in(1)
75	1007.13	138.11	Open To Flow (2)
106	1340.15	139.75	Shut-in(2)
151	1558.78	138.76	End Shut-in(2)
151	2679.47	138.77	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2480.00	GCW 3%g Rw .13 ohms @ 51 deg.F	31.51
160.00	MW 38%m 62%w	2.24

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc.

**Myers/Clark Trust #1**

P.O.Box 399  
Garden City, KS 67846

**13 32s 19w Comanche**

Job Ticket: 15751

**DST#: 1**

ATTN: Al Downing

Test Start: 2001.12.09 @ 10:04:31

### Tool Information

Drill Pipe:	Length: 5408.00 ft	Diameter: 3.80 inches	Volume: 75.86 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: 360.00 ft	Diameter: 2.25 inches	Volume: 1.77 bbl	Weight to Pull Loose: 96000.00 lb
			<u>Total Volume: 77.63 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	5781.00 ft			Final 93000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5755.00	
S.I. Tool	5.00			5760.00	
HMV	5.00			5765.00	
Jars	5.00			5770.00	
Safety Joint	2.00			5772.00	
Packer	4.00			5776.00	27.00 Bottom Of Top Packer
Packer	5.00			5781.00	
Stubb	1.00			5782.00	
Recorder	0.00	2342	Inside	5782.00	
Perforations	20.00			5802.00	
Recorder	0.00	10248	Outside	5802.00	
Bullnose	5.00			5807.00	26.00 Bottom Packers & Anchor

**Total Tool Length: 53.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.  
P.O.Box 399  
Garden City, KS 67846  
ATTN: Al Downing

**Myers/Clark Trust #1**  
**13 32s 19w Comanche**  
Job Ticket: 15751      **DST#: 1**  
Test Start: 2001.12.09 @ 10:04:31

## 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:	79000 ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.20 inches			

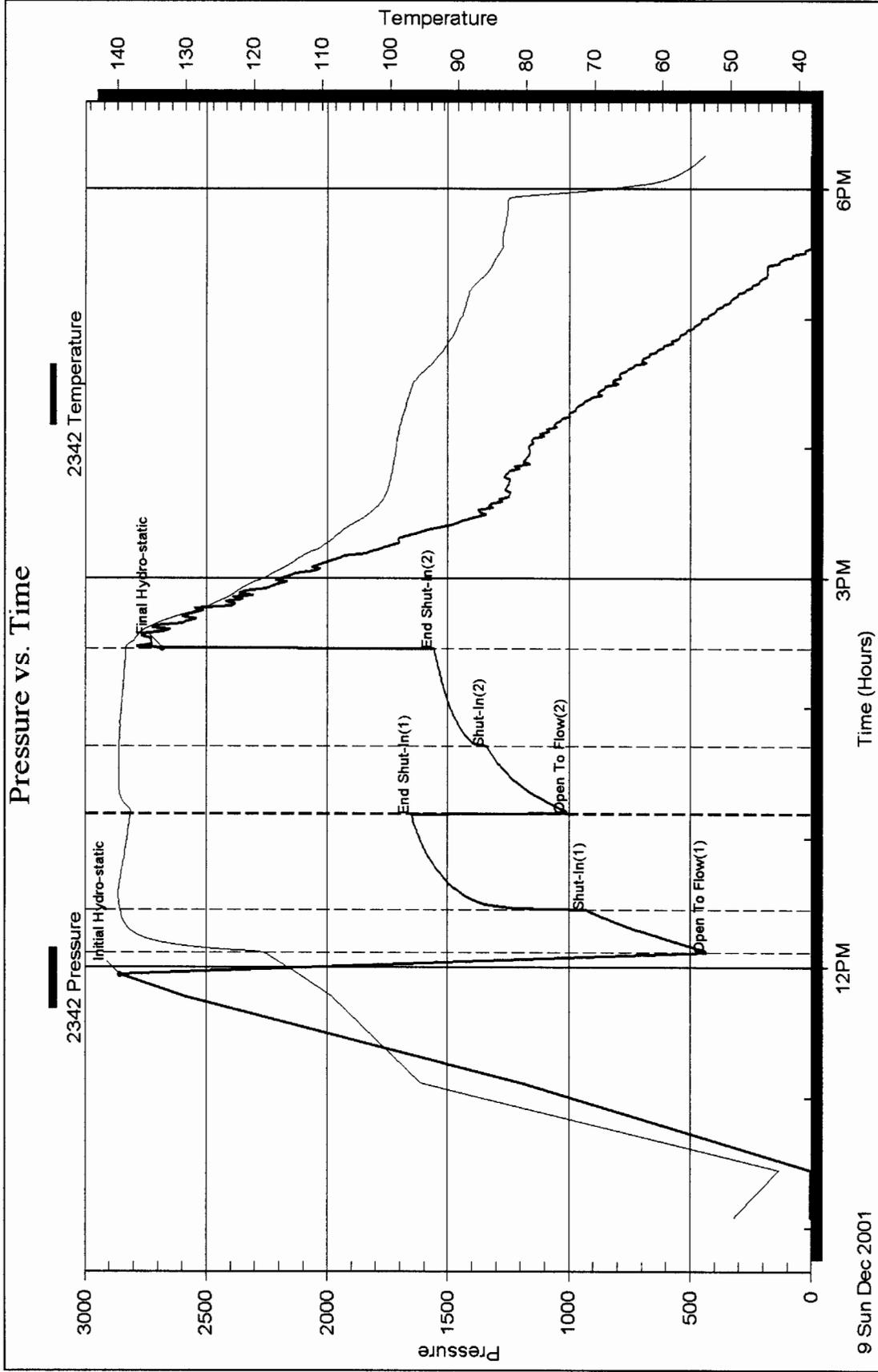
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2480.00	GCW 3%g Rw .13 ohms @ 51 deg.F	31.508
160.00	MW 38%m 62%w	2.244

Total Length: 2640.00 ft      Total Volume: 33.752 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none  
Laboratory Name:      Laboratory Location:  
Recovery Comments: LCM 6#/bl

# Pressure vs. Time





## DRILL STEM TEST REPORT

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

P.O.Box 399  
Garden City, KS 67846

ATTN: Al Downing

**13 32s 19w Comanche**

**Myers/Clark Trust #1**

Start Date: 2001.12.10 @ 01:40:10

End Date: 2001.12.10 @ 10:17:55

Job Ticket #: 15752                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

American Warrior, Inc.

Myers/Clark Trust #1

13 32s 19w Comanche

DST # 2

Mississippian

2001.12.10



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

American Warrior, Inc.  
P.O.Box 399  
Garden City, KS 67846  
ATTN: Al Downing

**Myers/Clark Trust #1**  
**13 32s 19w Comanche**  
Job Ticket: 15752      **DST#: 2**  
Test Start: 2001.12.10 @ 01:40:10

### GENERAL INFORMATION:

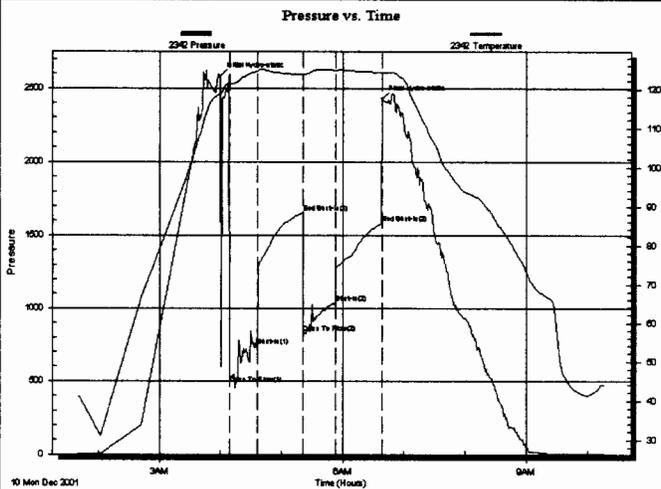
Formation: **Mississippian**  
Deviated: **No Whipstock:**      ft (KB)  
Time Tool Opened: 04:09:10  
Time Test Ended: 10:17:55  
Interval: **5175.00 ft (KB) To 5206.00 ft (KB) (TVD)**  
Total Depth: **5811.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition:  
Test Type: **Conventional Straddle**  
Tester: **Gary Pevoteaux**  
Unit No: **13**  
Reference Elevations: **2084.00 ft (KB)**  
**2071.00 ft (CF)**  
KB to GR/CF: **13.00 ft**

### Serial #: 2342

Inside

Press@RunDepth: 1039.77 psig @ 5176.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2001.12.10      End Date: 2001.12.10      Last Calib.: 2001.12.10  
Start Time: 01:40:11      End Time: 10:17:55      Time On Btm: 2001.12.10 @ 03:59:25  
Time Off Btm: 2001.12.10 @ 06:38:55

TEST COMMENT: IF: Strong blow. Tool slid 1 - 2' approx. 30 secs. in to IFP.  
(Lost packer seat) Picked up & re-set tool. Strong blow. B.O.B. in 1 min.  
IS: No blow.  
FF: Strong blow. B.O.B. in 3.5 mins.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2580.69	118.70	Initial Hydro-static
10	476.53	121.39	Open To Flow (1)
37	738.39	124.62	Shut-in(1)
82	1651.36	123.79	End Shut-in(1)
82	832.14	123.79	Open To Flow (2)
114	1039.77	124.88	Shut-in(2)
159	1580.02	124.34	End Shut-in(2)
160	2429.03	124.36	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
120.00	WM 17%w 83%m	0.59
1930.00	Drig.mud.	24.89

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

American Warrior, Inc.

**Myers/Clark Trust #1**

P.O.Box 399  
Garden City, KS 67846

**13 32s 19w Comanche**

Job Ticket: 15752

**DST#: 2**

ATTN: Al Downing

Test Start: 2001.12.10 @ 01:40:10

**Tool Information**

Drill Pipe:	Length: 4815.00 ft	Diameter: 3.80 inches	Volume: 67.54 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: 25000.00 lb
Drill Collar:	Length: 360.00 ft	Diameter: 2.25 inches	Volume: 1.77 bbl	Weight to Pull Loose: 99000.00 lb
			<u>Total Volume: 69.31 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 82000.00 lb
Depth to Top Packer:	5175.00 ft			Final 94000.00 lb
Depth to Bottom Packer:	5206.00 ft			
Interval between Packers:	31.00 ft			
Tool Length:	663.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5149.00	
S.I. Tool	5.00			5154.00	
HMV	5.00			5159.00	
Jars	5.00			5164.00	
Safety Joint	2.00			5166.00	
Packer	4.00			5170.00	27.00 Bottom Of Top Packer
Packer	5.00			5175.00	
Stubb	1.00			5176.00	
Recorder	0.00	2342	Inside	5176.00	
Perforations	26.00			5202.00	
Recorder	0.00	10290	Outside	5202.00	
Blank Off Sub	1.00			5203.00	
T.C.	3.00			5206.00	31.00 Tool Interval
Packer	0.00			5206.00	
Stubb	1.00			5207.00	
Perforations	5.00			5212.00	
C.O. Sub	1.00			5213.00	
Blank Spacing	592.00			5805.00	
C.O. Sub	1.00			5806.00	
Recorder	0.00	10248	Below	5806.00	
Bullnose	5.00			5811.00	605.00 Bottom Packers & Anchor

**Total Tool Length: 663.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

American Warrior, Inc.

**Myers/Clark Trust #1**

P.O.Box 399  
Garden City, KS 67846

**13 32s 19w Comanche**

Job Ticket: 15752

**DST#: 2**

ATTN: Al Downing

Test Start: 2001.12.10 @ 01:40:10

**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:	4000 ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.20 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
120.00	WM 17%w 83%m	0.590
1930.00	Drig.mud.	24.887

Total Length: 2050.00 ft      Total Volume: 25.477 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

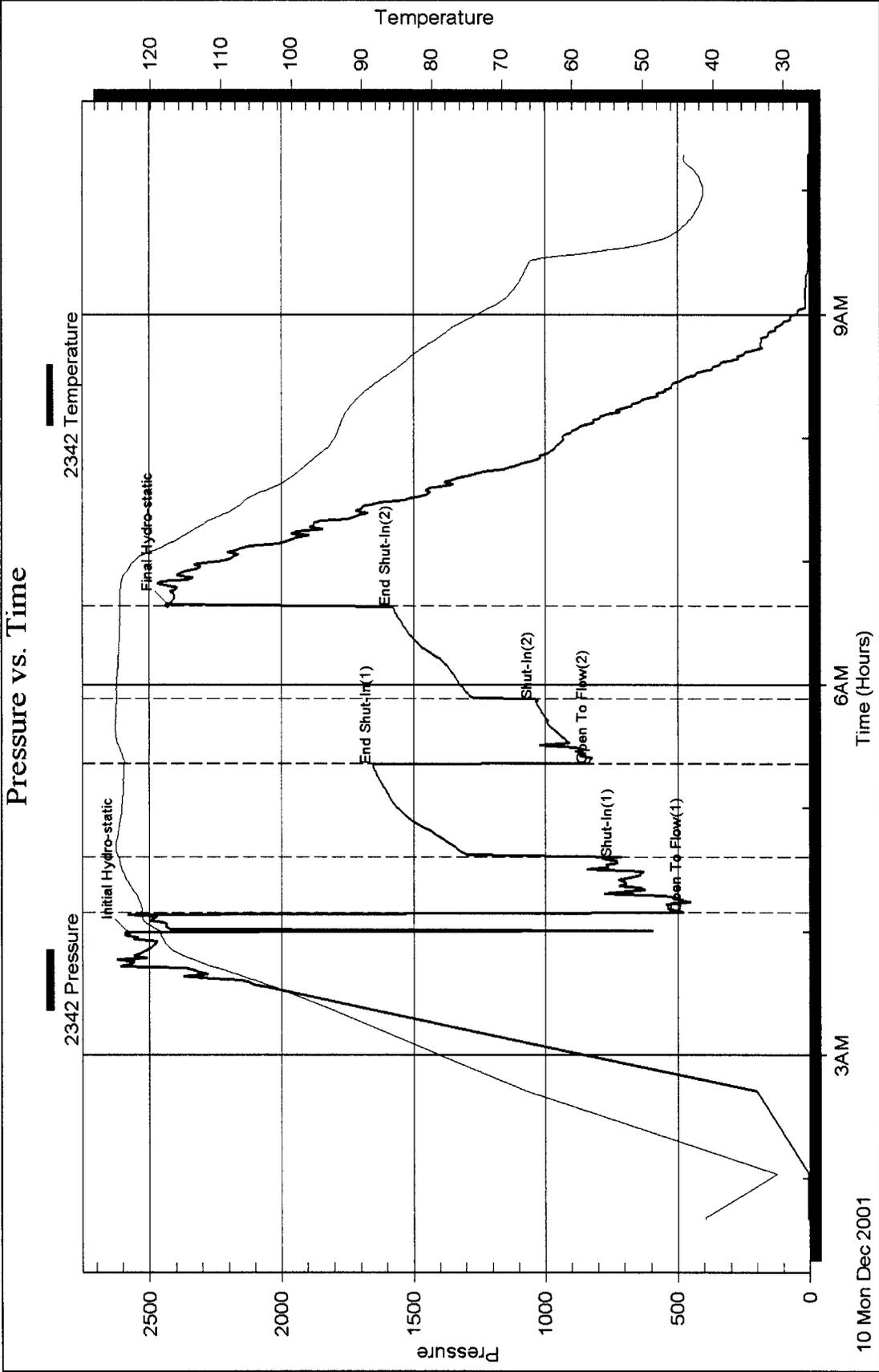
Serial #: none

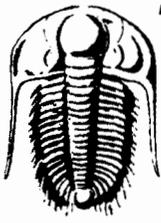
Laboratory Name:

Laboratory Location:

Recovery Comments: LCM 6#/bl.

### Pressure vs. Time





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15751

## Test Ticket

Well Name & No. Myers/Clark Trust #1 Test No. 1 Date 12-9-2001  
 Company American Warrior Inc. Zone Tested Viola  
 Address P.O. Box 399, Garden City Ks. 67846 Elevation 2084 KB 2021 GL  
 Co. Rep / Geo. at Downing Cont. Dubea Delg. #1 Est. Ft. of Pay      Por.      %  
 Location: Sec. 13 Twp. 32S Rge. 19W Co. Comanche State Ks.  
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N)      Evaluation (Y, N)     

Interval Tested 5781 - 5807' Initial Str Wt./Lbs. 80,000 Unseated Str Wt./Lbs. 93,000  
 Anchor Length 26' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 96,000  
 Top Packer Depth 5776' Tool Weight 2100#  
 Bottom Packer Depth 5781' Hole Size — 7 7/8"  Rubber Size — 6 3/4"   
 Total Depth 5807' Wt. Pipe Run None Drill Collar Run 360  
 Mud Wt. 9.2 LCM 6# Vis. 45 WL 8.84 Drill Pipe Size 4 1/2" x H Ft. Run 5408  
 Blow Description IF: Strong below, B.O.B. in 60 secs.  
ISI: Weak below, 1-3"  
FF: Strong below, B.O.B. in 70 secs. FSI: Weak below, 1/2" +.  
FS

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>2640'</u>	<u>Trace</u>	<u>360</u>	<u>2280'</u>
Rec. <u>160</u> Feet Of <u>MW.</u>		%gas <u>38</u> %oil <u>62</u> %water <u>    </u> %mud <u>    </u>	
Rec. <u>2480</u> Feet Of <u>GCW</u>		%gas <u>97</u> %oil <u>    </u> %water <u>    </u> %mud <u>    </u>	
Rec. <u>    </u> Feet Of <u>    </u>		%gas <u>    </u> %oil <u>    </u> %water <u>    </u> %mud <u>    </u>	
Rec. <u>    </u> Feet Of <u>    </u>		%gas <u>    </u> %oil <u>    </u> %water <u>    </u> %mud <u>    </u>	
Rec. <u>    </u> Feet Of <u>    </u>		%gas <u>    </u> %oil <u>    </u> %water <u>    </u> %mud <u>    </u>	
BHT <u>139</u> °F Gravity <u>N/A</u> °API @ <u>    </u> °F Corrected Gravity <u>N/A</u> °API			
RW <u>.13</u> @ <u>51</u> °F Chlorides <u>79,000</u> ppm Recovery Chlorides <u>4,000</u> ppm System			

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud		<u>2857</u>		<u>2342</u>	<u>0930</u>
(B) First Initial Flow Pressure		<u>432</u>		<u>5782'</u>	<u>1004</u>
(C) First Final Flow Pressure		<u>927</u>		<u>10248</u>	<u>1206</u>
(D) Initial Shut-In Pressure		<u>1654</u>		<u>5802'</u>	<u>1427</u>
(E) Second Initial Flow Pressure		<u>1007</u>		<u>    </u>	<u>1815</u>
(F) Second Final Flow Pressure		<u>1340</u>		<u>    </u>	<u>1900</u>
(G) Final Shut-in Pressure		<u>1559</u>		<u>20</u>	<u>900<sup>00</sup></u>
(Q) Final Hydrostatic Mud		<u>2787</u>		<u>45</u>	<u>200<sup>00</sup></u>
				<u>30</u>	<u>50<sup>00</sup></u>
				<u>45</u>	

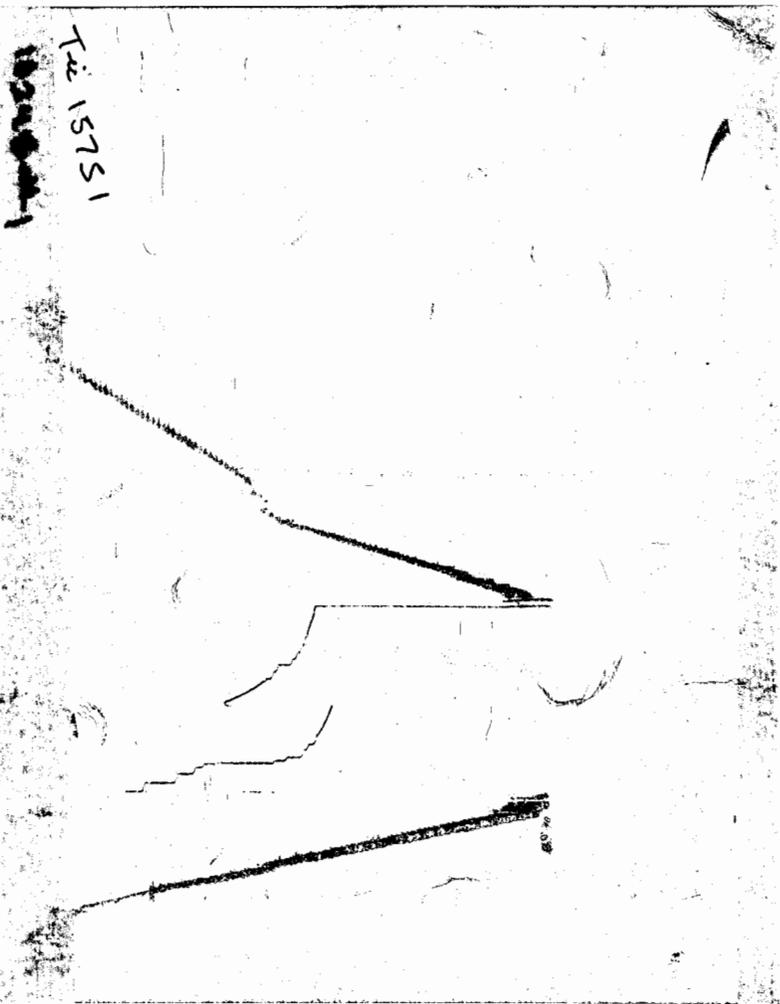
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

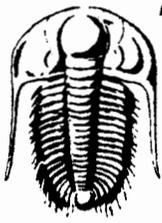
Approved By [Signature]  
 Our Representative Gary [Signature]

Final Flow 30 Safety Joint 50<sup>00</sup>  
 Final Shut-in 45 Straddle       
 Circ. Sub       
 Sampler       
 Extra Packer       
 Elec. Rec. 150<sup>00</sup>  
 Mileage 60<sup>00</sup>  
 Other       
 TOTAL PRICE \$ 1360<sup>00</sup>

# CHART PAGE

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15752

## Test Ticket

Well Name & No. Myers/Clark Trust #1 Test No. 2 Date 12-10-2001  
 Company American Warrior Inc. Zone Tested Miss.  
 Address P.O. Box 399, Garden City, Ks. 67846 Elevation 2084 KB 2071 GL  
 Co. Rep / Geo. Al Downing Cont. Duke Dely. #7 Est. Ft. of Pay      Por.      %  
 Location: Sec. 13 Twp. 32S Rge. 19W Co. Comanche State Ks.  
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N)      Evaluation (Y, N)     

Interval Tested 5175 - 5206' Initial Str Wt./Lbs. 82,000 Unseated Str Wt./Lbs. 94,000  
 Anchor Length 31' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 99,000  
 Top Packer Depth 5170 & 5175' Tool Weight 2100 #  
 Bottom Packer Depth 5206' Hole Size — 7 7/8"  Rubber Size — 6 3/4"   
 Total Depth 5811' LTD Wt. Pipe Run None Drill Collar Run 360'  
 Mud Wt. 9.2 LCM 6# Vis. LS WL B.B.C. Drill Pipe Size 4 1/2" x 14 Ft. Run 4815  
 Blow Description IF: Strong blow. Tool slid 1-2' approx. 30 secs. in to IFP. (Lost packer seat) Picked up & reset tool. Strong blow. B.O.B. in 1 min. ISI; No below. FF: Strong blow. B.O.B. in 3.5 mins. FSI; N; below.  
 Recovery — Total Feet 2050 GIP 0 Ft. in DC 360 Ft. in DP 1690  
 Rec. 1930 Feet Of Dely. Mud %gas %oil %water %mud  
 Rec. 120 Feet Of W.M. %gas %oil 17 %water 83 %mud  
 Rec.      Feet Of      %gas %oil %water %mud  
 Rec.      Feet Of      %gas %oil %water %mud  
 Rec.      Feet Of      %gas %oil %water %mud  
 BHT 124 °F Gravity N/A °API @      °F Corrected Gravity N/A °API  
 RW N.C. @      °F Chlorides 4,000 ppm Recovery Chlorides 4,000 ppm System

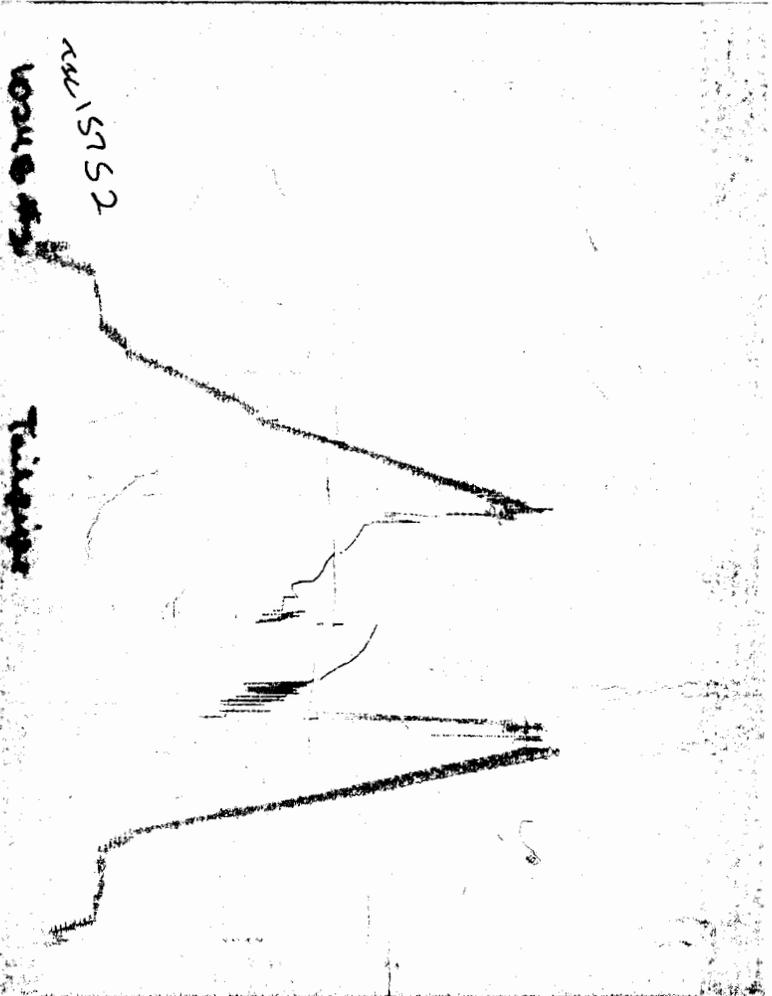
M myers (lower pkgs. failed) AK-1  
 (A) Initial Hydrostatic Mud Alpine 2559 PSI Recorder No. 2342 T-On Location 0100  
 (B) First Initial Flow Pressure 477 PSI (depth) 5176' T-Started 0140  
 (C) First Final Flow Pressure 730 PSI Recorder No. 10290 T-Open 0409  
 (D) Initial Shut-In Pressure 1655 PSI (depth) 5204' T-Pulled 0638  
 (E) Second Initial Flow Pressure 813 PSI Recorder No. 10248 T-Out 1017  
 (F) Second Final Flow Pressure 1040 PSI (depth) 5806' T-Off Location 1145  
 (G) Final Shut-in Pressure 1580 PSI Initial Opening 30 Test Miss. ✓ 700<sup>00</sup>  
 (Q) Final Hydrostatic Mud 2427 PSI Initial Shut-in 45 Jars ✓ 200<sup>00</sup>  
 Final Flow 30 Safety Joint ✓ 560<sup>00</sup>  
 Final Shut-in 45 Straddle ✓ 250<sup>00</sup>  
 Circ. Sub       
 Sampler       
 Extra Packer ✓ 150<sup>00</sup>  
 Elec. Rec. ✓ 156<sup>00</sup>  
 Mileage ✓ 60<sup>00</sup>  
 Other       
 TOTAL PRICE \$ ✓ 1560<sup>00</sup>

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By [Signature]  
Our Representative [Signature]

# CHART PAGE

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



# CHART PAGE

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

