

**DRILL STEM TEST REPORT**

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

P.O.Box 399  
Garden City, Ks. 67846-0399

ATTN: Ron Nelson

**11-15S-30W**

**Fleming Ranch#1-11**

Start Date: 2002.10.21 @ 15:46:23

End Date: 2002.10.21 @ 21:18:08

Job Ticket #: 16336                      DST #: 1

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

American Warrior, Inc.

Fleming Ranch#1-11

11-15S-30W

DST # 1

Myrick Station

2002.10.21

JANUARY



**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

American Warrior, Inc.  
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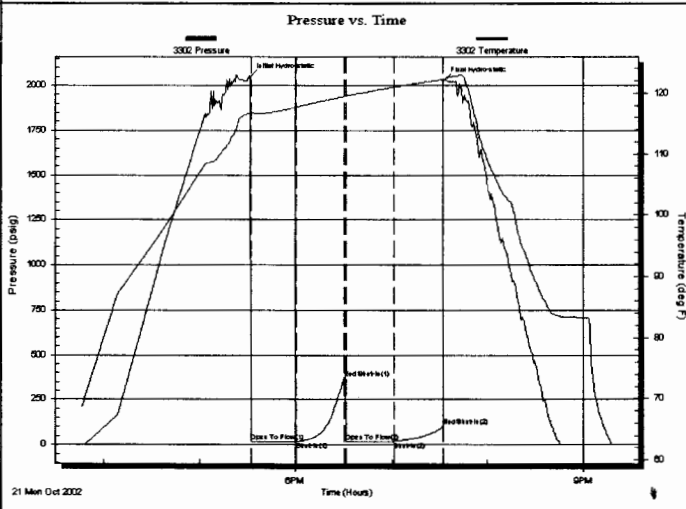
**Fleming Ranch#1-11**  
**11-15S-30W**  
 Job Ticket: 16336      **DST#: 1**  
 Test Start: 2002.10.21 @ 15:46:23

**GENERAL INFORMATION:**

Formation: **Myrick Station**  
 Deviated: No      Whipstock: ft (KB)  
 Time Tool Opened: 17:32:08  
 Time Test Ended: 21:18:08  
 Interval: **4119.00 ft (KB) To 4155.00 ft (KB) (TVD)**  
 Total Depth: 4155.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches      Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Darren L. Amerine  
 Unit No: 19  
 Reference Elevations: 2580.00 ft (KB)  
 2572.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 3302      Inside**  
 Press@RunDepth: 18.97 psig @ 4123.00 ft (KB)      Capacity: 7000.00 psig  
 Start Date: 2002.10.21      End Date: 2002.10.21      Last Calib.: 2002.10.21  
 Start Time: 15:46:25      End Time: 21:18:08      Time On Btm: 2002.10.21 @ 17:31:23  
 Time Off Btm: 2002.10.21 @ 19:32:38

**TEST COMMENT:** IF: Weak surface blow.  
 IS: Bled down n for 2 mins. no blow back.  
 FF: No blow Flush tool no blow.  
 FSI: No blow back.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2046.07	116.74	Initial Hydro-static
1	17.09	116.91	Open To Flow (1)
29	17.49	117.74	Shut-In(1)
59	371.97	119.47	End Shut-In(1)
60	17.77	119.62	Open To Flow (2)
90	18.97	120.98	Shut-In(2)
121	100.52	122.20	End Shut-In(2)
122	2028.16	122.21	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	gas cut mud	0.07

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc.  
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Job Ticket: 16336      **DST#: 1**  
Test Start: 2002.10.21 @ 15:46:23

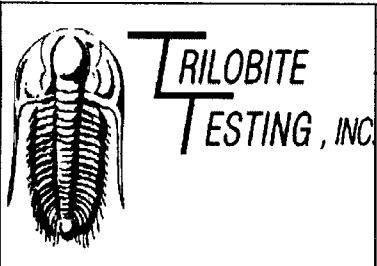
**Tool Information**

Drill Pipe:	Length: 4130.00 ft	Diameter: 3.80 inches	Volume: 57.93 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 57.93 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4119.00 ft			Final 44000.00 lb
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:				

**Tool Description**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			4099.00		
S.I. Tool	5.00			4104.00		
HMV	5.00			4109.00		
Packer	5.00			4114.00	21.00	Bottom Of Top Packer
Packer	5.00			4119.00		
Stubb	1.00			4120.00		
Anchor	3.00			4123.00		
Recorder	0.00	3302	Inside	4123.00		
Blank Spacing	30.00			4153.00		
Recorder	0.00	10991	Outside	4153.00		
Bullnose	2.00			4155.00	36.00	Bottom Packers & Anchor

**Total Tool Length: 57.00**



### DRILL STEM TEST REPORT

### FLUID SUMMARY

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 ATTN: Ron Nelson

**Fleming Ranch#1-11**  
**11-15S-30W**  
 Job Ticket: 16336      **DST#: 1**  
 Test Start: 2002.10.21 @ 15:46:23

#### Mud and Cushion Information

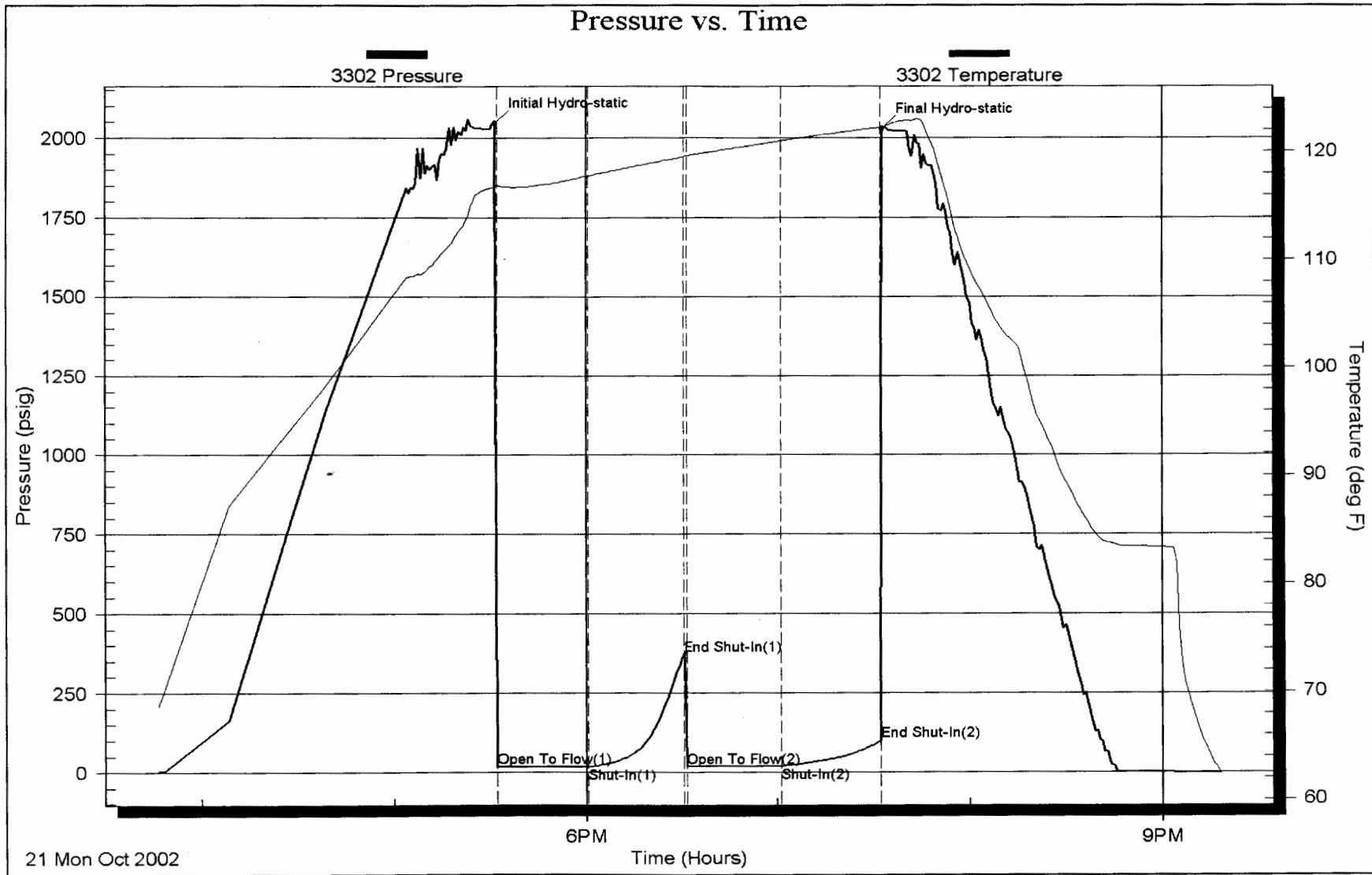
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.38 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 1.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.32 inches			

#### Recovery Information

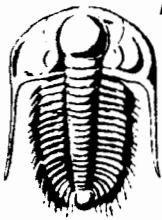
Recovery Table

Length ft	Description	Volume bbl
5.00	gas cut 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:



ORIGINAL



# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Inw. 5210

No 16336

## Test Ticket

Well Name & No. Fleming Ranch #1-11 Test No. #1 Date 10-21-02  
 Company American Warrior Inc. Zone Tested Myrick Station  
 Address PO Box 399 Garden City, KS 67846-0399 Elevation 2580 KB 2572 GL  
 Co. Rep / Geo. Lon Nelson Cont. Discovery # Est. Ft. of Pay      Por.      %  
 Location: Sec. 11 Twp. 15S Rge. 30W Co. Gove State KS  
 No. of Copies 5 Distribution Sheet (Y, N)      Turnkey (Y, N)      Evaluation (Y, N)     

Interval Tested 4119' - 4155' Initial Str Wt./Lbs. 44,000 Unseated Str Wt./Lbs. 44,000  
 Anchor Length 36' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 60,000  
 Top Packer Depth 4114' Tool Weight 2100  
 Bottom Packer Depth 4119' Hole Size — 7 7/8"  Rubber Size — 6 3/4"   
 Total Depth 4155' Wt. Pipe Run N/A Drill Collar Run N/A  
 Mud Wt. 9.3<sup>+</sup> LCM 1/2 # Vis. 45 WL 10.4 Drill Pipe Size 4 1/2 x 17 Ft. Run 4160'

Blow Description FF: Weak surface blow.  
IST: Bled down 2 mins No blow back  
FF: No blow flush tool no blow.  
FST: No blow back

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>5'</u>	<u>N/A</u>		<u>5'</u>
Rec. <u>5</u> Feet Of <u>US6CM</u>	%gas	%oil	%water %mud
Rec. <u>    </u> Feet Of <u>Spots of oil @ Tool</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 122° °F Gravity      °API D@      °F Corrected Gravity      °API  
 RW      @      °F Chlorides      ppm Recovery Chlorides 5000 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2047</u>	<u>3302</u>	<u>1500</u>	
(B) First Initial Flow Pressure	<u>17</u>	(depth) <u>4123'</u>	T-Started <u>1546</u>	
(C) First Final Flow Pressure	<u>17</u>	PSI Recorder No. <u>10991</u>	T-Open <u>1729</u>	
(D) Initial Shut-In Pressure	<u>372</u>	(depth) <u>4153'</u>	T-Pulled <u>1929</u>	
(E) Second Initial Flow Pressure	<u>18</u>	PSI Recorder No. <u>    </u>	T-Out <u>2118</u>	
(F) Second Final Flow Pressure	<u>19</u>	(depth) <u>    </u>	T-Off Location <u>2200</u>	
(G) Final Shut-in Pressure	<u>101</u>	PSI Initial Opening <u>50</u>	Test <u>    </u> <u>800</u>	
(Q) Final Hydrostatic Mud	<u>2029</u>	PSI Initial Shut-in <u>30</u>	Jars <u>    </u>	
		Final Flow <u>30</u>	Safety Joint <u>    </u>	
		Final Shut-in <u>30</u>	Straddle <u>    </u>	

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Approved By Darwin

Our Representative Darwin

Extra Packer       
 Elec. Rec.  150  
 Mileage 182 mi 182  
 Other       
 TOTAL PRICE \$ \$1132

# CHART PAGE

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

