



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399  
Garden City KS 67846

ATTN: Ron Nelsen

**10-17s-11w Barton KS**

**Kraft #13**

Start Date: 2000.11.30 @ 09:59:00

End Date: 2000.11.30 @ 14:00:00

Job Ticket #: 13917      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: Ron Nelsen

Kroft #13

10-17s-11w Barton KS

Job Ticket: 13917

DST#: 1

Test Start: 2000.11.30 @ 09:59:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:31:15

Time Test Ended: 14:00:00

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 16

Interval: **3290.00 ft (KB) To 3338.00 ft (KB) (TVD)**

Total Depth: 3338.00 ft (KB)

Hole Diameter: 6.85 inches Hole Condition: Fair

Reference Elevations: 1880.00 ft (KB)

1872.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **3027** Inside

Press@RunDepth: 358.97 psig @ 3292.01 ft (KB)

Start Date: 2000.11.30

End Date: 2000.11.30

Start Time: 10:00:50

End Time: 15:54:44

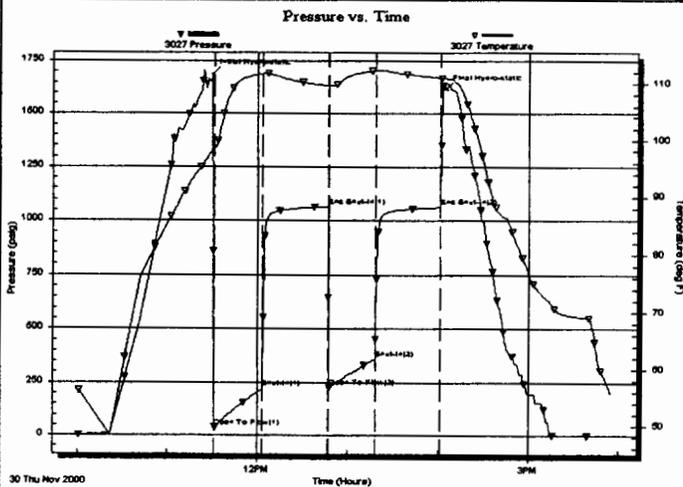
Capacity: 7000.00 psig

Last Calib.: 2000.11.30

Time On Btm: 2000.11.30 @ 11:30:15

Time Off Btm: 2000.11.30 @ 14:04:15

TEST COMMENT: RW .46@55F IFP-strong blow in 7min  
FFP-strong blow in 20min



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
90	1686.10	98.13	Initial Hydro-static
91	34.55	98.37	Open To Flow (1)
123	220.54	111.82	Shut-in(1)
166	1064.91	109.74	End Shut-in(1)
167	224.85	109.74	Open To Flow (2)
197	358.97	112.36	Shut-in(2)
241	1062.33	111.09	End Shut-in(2)
244	1619.11	111.01	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	clean oil	0.01
210.00	socmw 4%oil 30%mud 66%water	2.69
660.00	water	9.26

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Inc

**Kroft #13**

PO Box 399  
Garden City KS 67846

**10-17s-11w Barton KS**

Job Ticket: 13917

**DST#:1**

ATTN: Ron Nelsen

Test Start: 2000.11.30 @ 09:59:00

**Tool Information**

Drill Pipe:	Length: 3269.00 ft	Diameter: 3.80 inches	Volume: 45.86 bbl	Tool Weight: 2200.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight set on Packer: 20000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
Drill Pipe Above KB:	30.00 ft			Tool Chased 0.00 ft
Depth to Top Packer:	3285.00 ft			String Weight: Initial 42000.00 lb
Depth to Bottom Packer:	ft			Final 48000.00 lb
Interval betw een Packers:	ft			
Tool Length:	69.02 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			3270.00	
S.I. Tool	5.00			3275.00	
HYD S.I. Tool	5.00			3280.00	
Packer	5.00			3285.00	16.00 Bottom Of Top Packer
Packer	5.00			3290.00	
Stubb	1.00			3291.00	
C.O. Sub	1.00			3292.00	
Recorder	0.01	3027	Inside	3292.01	
Blank Spacing	30.00			3322.01	
C.O. Sub	1.00			3323.01	
Anchor	12.00			3335.01	
Recorder	0.01	11085	Outside	3335.02	
Bullnose	3.00			3338.02	53.02 Bottom Packers & Anchor

**Total Tool Length: 69.02**

Serial #: 3027

Inside American Warrior Inc

10-17s-11w Barton KS

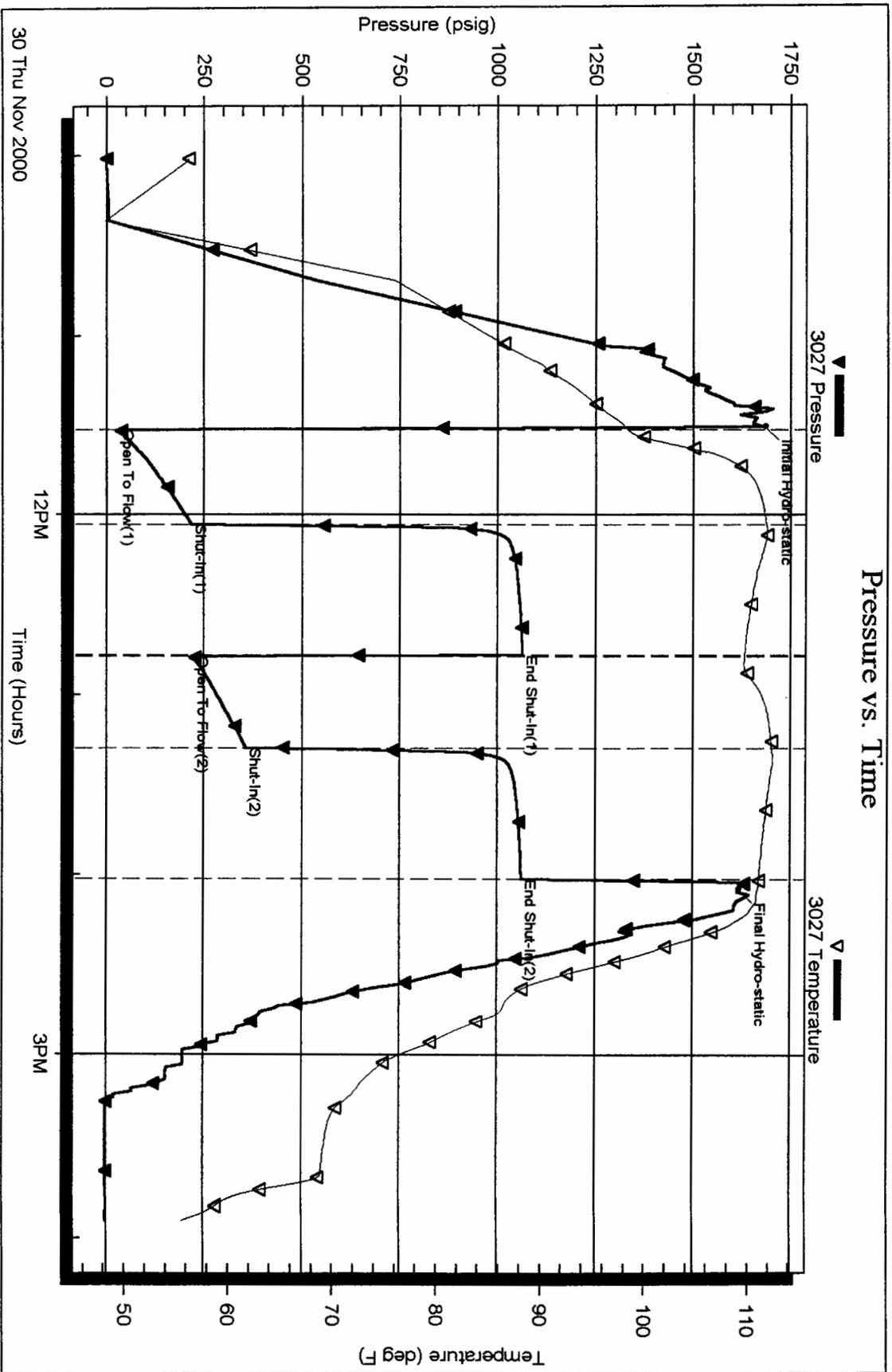
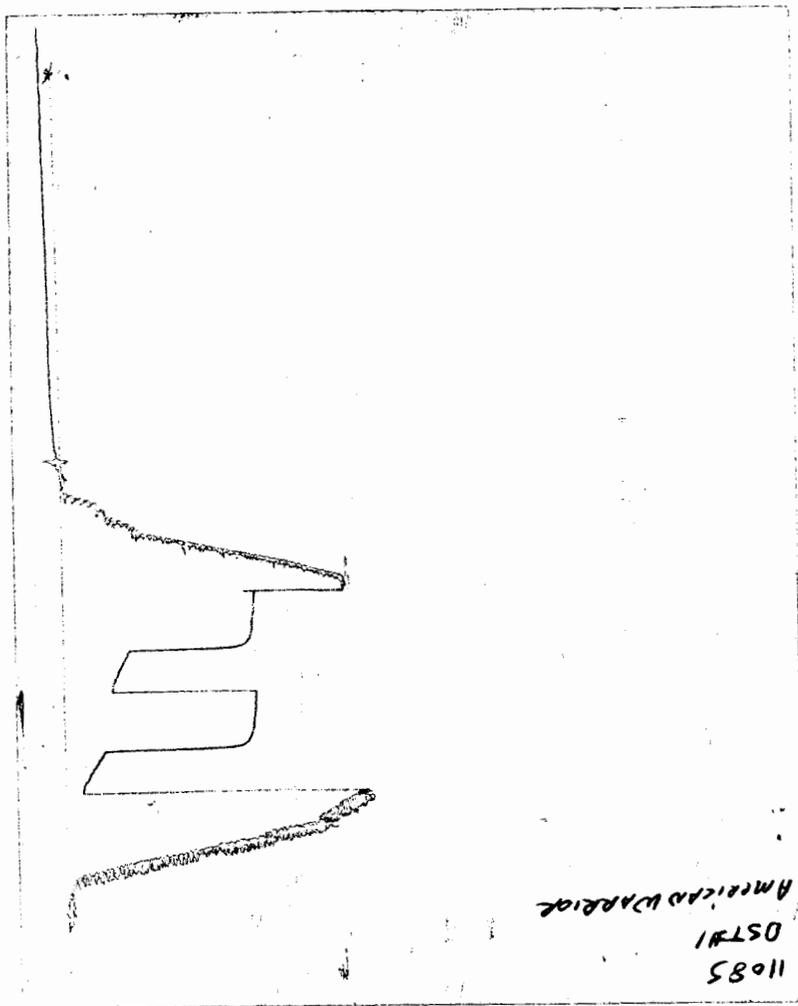


CHART PAGE



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

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N<sup>o</sup> 13917

## Test Ticket

Well Name & No. <u>Kraft #13</u>	Test No. <u>1</u>	Date <u>11-30-00</u>
Company <u>American Warrior, Inc</u>	Zone Tested <u>Arbuckle</u>	
Address <u>P.O. Box 399 Garden City, Ks 67846</u>	Elevation <u>1880</u>	KB <u>1872</u> GL
Co. Rep / Geo. <u>Ron Nelson</u>	Cont. <u>Discovery rig 2</u>	Est. Ft. of Pay <u>-</u> Por. <u>-</u> %
Location: Sec. <u>10</u> Twp. <u>17<sup>s</sup></u> Rge. <u>11<sup>o</sup></u>	Co. <u>Barton</u>	State <u>Ks</u>
No. of Copies <u>Reg</u>	Distribution Sheet (Y, N) <u>-</u>	Turnkey (Y, N) <u>-</u> Evaluation (Y, N) <u>-</u>

Interval Tested <u>3290 - 3338</u>	Initial Str Wt./Lbs. <u>42000</u>	Unseated Str Wt./Lbs. <u>48000</u>
Anchor Length <u>48</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>52000</u>
Top Packer Depth <u>3285</u>	Tool Weight <u>2200</u>	
Bottom Packer Depth <u>3290</u>	Hole Size — 7 7/8" <u>yes</u>	Rubber Size — 6 3/4" <u>yes</u>
Total Depth <u>3338</u>	Wt. Pipe Run <u>-</u>	Drill Collar Run <u>30</u>
Mud Wt. <u>9.4</u> LCM <u>-</u> Vis. <u>49</u> WL <u>11.4</u>	Drill Pipe Size <u>4 1/2 X H</u>	Ft. Run <u>3269</u>
Blow Description <u>TFP - Weak to a strong blow in 7 min</u>		
<u>FFP - Weak to a strong blow in 20 min</u>		

Recovery — Total Feet <u>872</u>	GIP <u>-</u>	Ft. in DC <u>30</u>	Ft. in DP <u>842</u>
Rec. <u>2</u> Feet Of <u>Clean Oil</u>	%gas	%oil	%water %mud
Rec. <u>210</u> Feet Of <u>SOCMU</u>	%gas <u>4</u>	%oil <u>66</u>	%water <u>30</u> %mud
Rec. <u>660</u> Feet Of <u>WATER</u>	%gas	%oil	%water %mud
Rec. _____ Feet Of _____	%gas	%oil	%water %mud
Rec. _____ Feet Of _____	%gas	%oil	%water %mud
BHT <u>111</u> °F Gravity <u>-</u>	°API D@ <u>-</u>	°F Corrected Gravity <u>-</u>	°API
RW <u>.46</u> @ <u>55</u> °F Chlorides <u>19000</u>	ppm Recovery	Chlorides <u>N/A</u>	ppm System

AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1686</u>	PSI Recorder No. <u>3027</u>	T-On Location <u>0900</u>
(B) First Initial Flow Pressure	<u>34</u>	PSI (depth) <u>3292</u>	T-Started <u>0959</u>
(C) First Final Flow Pressure	<u>220</u>	PSI Recorder No. <u>11085</u>	T-Open <u>1130</u>
(D) Initial Shut-In Pressure	<u>1064</u>	PSI (depth) <u>3335</u>	T-Pulled <u>1400</u>
(E) Second Initial Flow Pressure	<u>224</u>	PSI Recorder No. <u>-</u>	T-Out <u>1551</u>
(F) Second Final Flow Pressure	<u>358</u>	PSI (depth) <u>-</u>	T-Off Location <u>1630</u>
(G) Final Shut-in Pressure	<u>1062</u>	PSI Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/> <u>450</u>
(Q) Final Hydrostatic Mud	<u>1619</u>	PSI Initial Shut-in <u>45</u>	Jars _____
		Final Flow <u>30</u>	Safety Joint _____
		Final Shut-in <u>45</u>	Straddle _____

TRILOBITE TESTING L.L.C. 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 \_\_\_\_\_

Our Representative Ray Schurager Thank you

Extra Packer \_\_\_\_\_  
Elec. Rec  150  
Mileage  68.29  
Other \_\_\_\_\_  
TOTAL PRICE  829