



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Prepared For: **American Warrior, In**

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

ATTN: Ron Nelson

35-13-20 Ellis co Ks

French Mary #2

Start Date: 2000.09.25 @ 11:23:00

End Date: 2000.09.25 @ 16:01:00

Job Ticket #: 13857 DST #: 1

Trilobite Testing, L.L.C.

PO Box 362 Hays KS 67601

PH: 785-625-4778 FAX: 785-625-5620

American Warrior, In

French Mary #2

35-13-20 Ellis co Ks

DST #: 1

Arbuckle

2000.09.25



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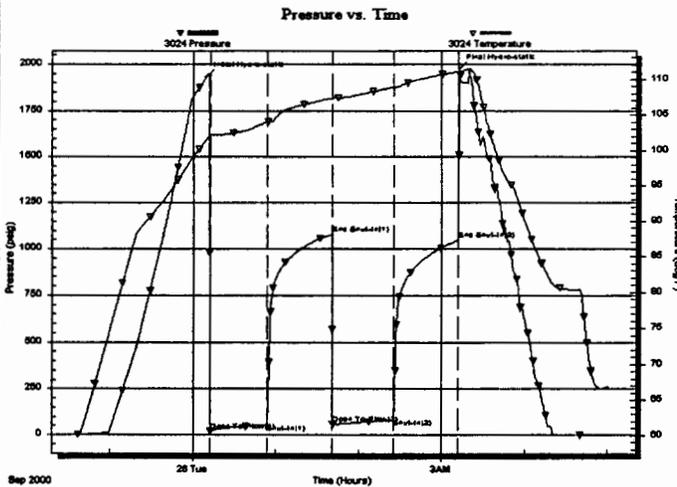
French Mary #2
35-13-20 Ellis co Ks
Job Ticket: 13857 **DST#:1**
Test Start: 2000.09.25 @ 11:23:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No Whipstock:** **ft (CF)**
Time Tool Opened: 00:12:08
Time Test Ended: 16:01:00
Interval: **3863.00 ft (CF) To 3903.00 ft (CF) (TVD)**
Total Depth: **3903.00 ft (CF)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Dan Bangle**
Unit No: **11**
Reference Elevations: **5067779066 ft (KB)**
2247.00 ft (CF)
KB to GR/CF: 5067779066 ft

Serial #: 3024 **Inside**
Press@RunDepth: **82.32 psig @ 3869.01 ft (CF)** Capacity: **7000.00 psig**
Start Date: **2000.09.25** End Date: **2000.09.26** Last Calib.: **2000.09.20**
Start Time: **22:36:39** End Time: **05:02:08** Time On Btm: **2000.09.26 @ 00:09:38**
Time Off Btm: **2000.09.26 @ 03:12:38**

TEST COMMENT: **IF-Weak built to 3"**
FF-Weak built to 3"



PRESSURE SUMMARY

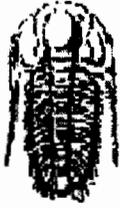
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
93	1930.09	101.61	Initial Hydro-static
96	17.05	102.12	Open To Flow (1)
138	53.76	104.07	Shut-in(1)
184	1079.03	107.38	End Shut-in(1)
185	55.98	107.43	Open To Flow (2)
229	82.32	108.88	Shut-in(2)
276	1045.89	111.10	End Shut-in(2)
276	1974.23	111.10	Final Hydro-static

Recovery

Length (m)	Description	Volume (m³)
124.00	Muddy water	1.47

Gas Rates

	Choke (mm)	Pressure (kPaa)	Gas Rate (m³/d)



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TOOL DIAGRAM

American Warrior, In
P.O. Box 399
Garden City, Ks. 67846
ATTN: Ron Nelson

French Mary #2
35-13-20 Ellis co Ks
Job Ticket: 13857 DST#: 1
Test Start: 2000.09.25 @ 11:23:00

Tool Information

Drill Pipe:	Length: 3843.00 ft	Diameter: 3.80 inches	Volume: 53.91 bbl	Tool Weight: 1500.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight set on Packer: 30000.00 lb
Heavy Wt. Pipe:	Length: 0.01 ft	Diameter: 0.01 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
Drill Pipe Above KB:	31.01 ft			Tool Chased 0.01 ft
Depth to Top Packer:	3858.00 ft			String Weight: Initial 56000.00 lb
Depth to Bottom Packer:	ft			Final 56000.00 lb
Interval between Packers:	ft			
Tool Length:	61.02 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			3843.00	
S.I. Tool	5.00			3848.00	
HYD S.I. Tool	5.00			3853.00	
Packer	5.00			3858.00	16.00 Bottom Of Top Packer
Packer	5.00			3863.00	
Stubb	1.00			3864.00	
Perforations	5.00			3869.00	
Recorder	0.01	3024	Inside	3869.01	
Anchor	29.00			3898.01	
Recorder	0.01	13254	Outside	3898.02	
Bullnose	5.00			3903.02	45.02 Bottom Packers & Anchor

Total Tool Length: 61.02

Serial #: 3024

Inside

American Warrior, In

35-13-20 Ellis co Ks

Pressure vs. Time

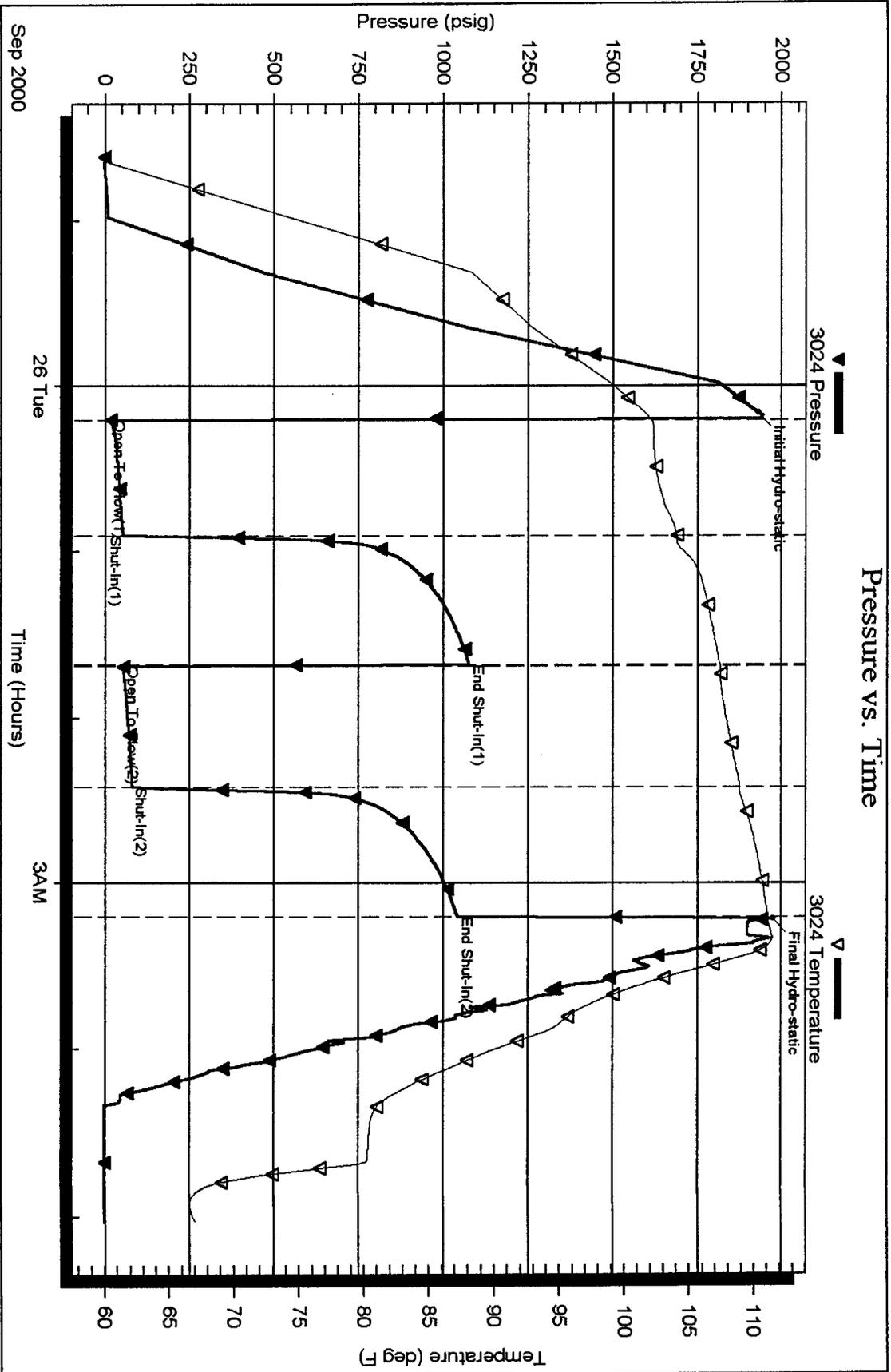
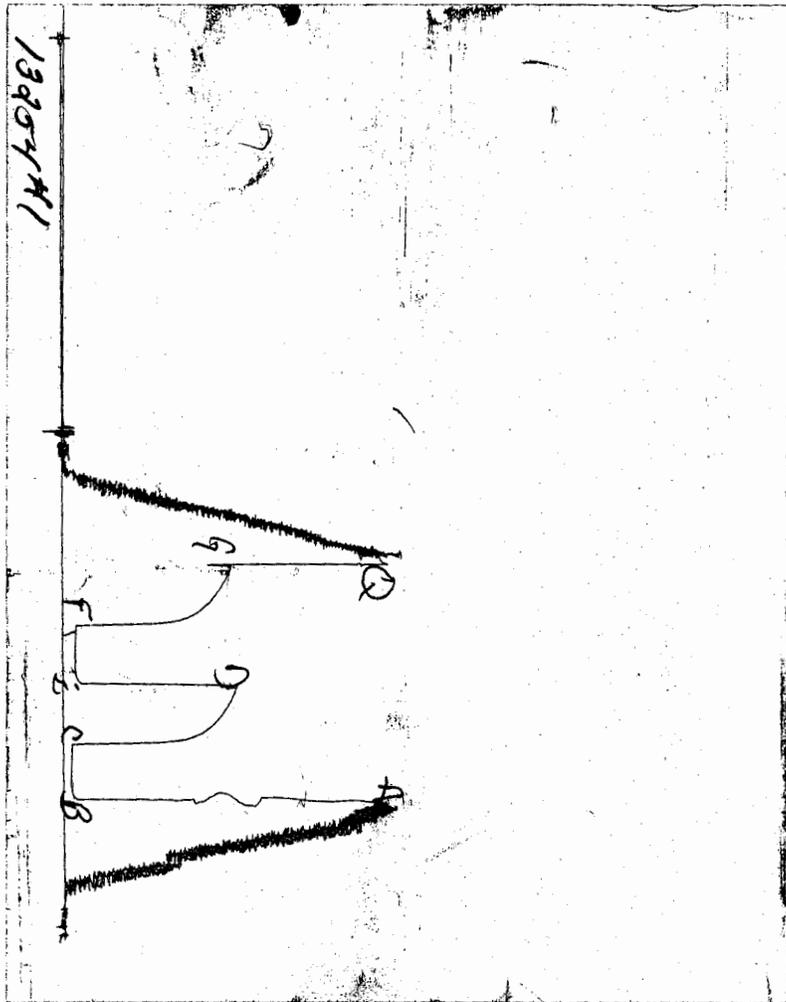


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 13857

Test Ticket

Well Name & No. <u>Ereach Mary A 2</u>	Test No. <u>1</u>	Date <u>9-25-00</u>
Company <u>American Warrior, Inc.</u>	Zone Tested <u>Arbuckle ^{Gocham} Sand</u>	
Address <u>P.O. Box 399, Garden City, Ks. 67846</u>	Elevation <u>2255</u>	KB <u>2247</u> GL
Co. Rep / Geo. <u>Ron Nelson</u>	Cont. <u>Discovery #1</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>35</u> Twp. <u>13</u> Rge. <u>20</u> Co. <u>Ellis</u> State <u>KS</u>		
No. of Copies <u> </u> Distribution Sheet (Y, N) <u> </u> Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>		

Interval Tested <u>3863 - 3903</u>	Initial Str Wt./Lbs. <u>56,000</u>	Unseated Str Wt./Lbs. <u>16,000</u>
Anchor Length <u>40</u>	Wt. Set Lbs. <u>30,000</u>	Wt. Pulled Loose/Lbs. <u>60,000</u>
Top Packer Depth <u>3858</u>	Tool Weight <u>1500</u>	
Bottom Packer Depth <u>3863</u>	Hole Size — 7 7/8" <u> </u>	Rubber Size — 6 3/4" <u> </u>
Total Depth <u>3903</u>	Wt. Pipe Run <u> </u>	Drill Collar Run <u>30</u>
Mud Wt. <u>9.6</u> LCM <u> </u> Vis. <u>47</u> WL <u>11.4</u>	Drill Pipe Size <u>4.5 X H</u>	Ft. Run <u>3843</u>
Blow Description <u>I.F. Weak-building to 3"</u>		

E.F. Weak-building to 3"

Recovery — Total Feet <u>124</u>	GIP <u> </u>	Ft. in DC <u>30</u>	Ft. in DP <u>94</u>
Rec. <u>124</u> Feet Of <u>MDY WTC.</u>	%gas <u> </u> %oil <u>60</u> %water <u>40</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>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
BHT <u>111</u> °F Gravity <u> </u> °API D@ <u> </u> °F Corrected Gravity <u> </u> °API <u> </u>			
RW <u>.24</u> @ <u>80</u> °F Chlorides <u>25,000</u> ppm Recovery Chlorides <u> </u> ppm System <u> </u>			

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2032</u>	<u>1990</u>		<u>3024</u>	<u>10:30</u>
(B) First Initial Flow Pressure	<u>59</u>	<u>17</u>	PSI	(depth) <u>3868</u>	T-Started <u>11:23</u>
(C) First Final Flow Pressure	<u>59</u>	<u>53</u>	PSI	Recorder No. <u>13254</u>	T-Open <u>13:01</u>
(D) Initial Shut-In Pressure	<u>1074</u>	<u>1079</u>	PSI	(depth) <u>3898</u>	T-Pulled <u>16:01</u>
(E) Second Initial Flow Pressure	<u>82</u>	<u>55</u>	PSI	Recorder No. <u> </u>	T-Out <u>17:50</u>
(F) Second Final Flow Pressure	<u>82</u>	<u>82</u>	PSI	(depth) <u> </u>	T-Off Location <u>18:10</u>
(G) Final Shut-in Pressure	<u>1027</u>	<u>1045</u>	PSI	Initial Opening <u>45</u>	Test <u>650</u>
(Q) Final Hydrostatic Mud	<u>1997</u>	<u>1974</u>	PSI	Initial Shut-in <u>45</u>	Jars <u> </u>
				Final Flow <u>45</u>	Safety Joint <u> </u>
				Final Shut-in <u>45</u>	Straddle <u> </u>

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Approved By

Our Representative Dan Kumpf

Circ. Sub <u> </u>
Sampler <u> </u>
Extra Packer <u> </u>
Elec. Rec. <u>X</u> <u>150</u>
Mileage <u>1818</u>
Other <u> </u>
TOTAL PRICE \$ <u>818</u>