

DRILL STEM TEST REPORT

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

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

ATTN: Ron Nelson

34-21S-14W

Gates#1-34

Start Date: 2002.11.02 @ 12:39:01

End Date: 2002.11.02 @ 18:38:46

Job Ticket #: 16340 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

American Warrior, Inc.

Gates#1-34

34-21S-14W

DST # 1

Lansing "J"

2002.11.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior, Inc.
P.O.Box 399
Garden City, KS 67846-0399
ATTN: Ron Nelson

Gates#1-34
34-21S-14W
Job Ticket: 16340 **DST#: 1**
Test Start: 2002.11.02 @ 12:39:01

GENERAL INFORMATION:

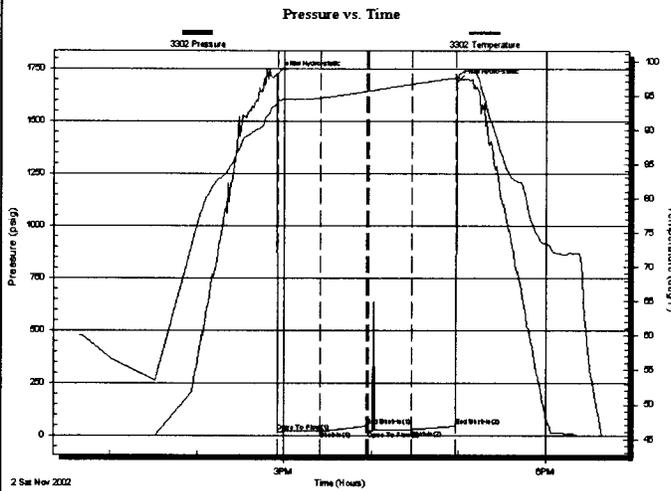
Formation: **Lansng "J"**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 14:55:16
Time Test Ended: 18:38:46
Interval: **3591.00 ft (KB) To 3620.00 ft (KB) (TVD)**
Total Depth: 3620.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 1928.00 ft (KB)
1920.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 3302

Inside

Press@RunDepth: 28.56 psig @ 3597.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2002.11.02 End Date: 2002.11.02 Last Calib.: 2002.11.02
Start Time: 12:39:03 End Time: 18:38:46 Time On Btmr: 2002.11.02 @ 14:55:01
Time Off Btmr: 2002.11.02 @ 16:58:31

TEST COMMENT: IF:Weak surface blow built to 1/4" in H2O bucket.
IS:Bled down n for 1 min.no blow back.
FF:Weak surface wait 5 mins.flush tool built to 1/4" in H2O bucket.
FSI:Bled down for 2 mins.no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1723.67	93.97	Initial Hydro-static
1	18.85	94.14	Open To Flow (1)
30	21.61	94.58	Shut-In(1)
62	45.43	95.56	End Shut-In(1)
63	20.09	95.59	Open To Flow (2)
93	28.56	96.61	Shut-In(2)
123	44.95	97.56	End Shut-In(2)
124	1688.36	97.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	102 - Oil cut Mud	0.10

Gas Rates

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



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TOOL DIAGRAM

American Warrior, Inc.

Gates#1-34

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

34-21S-14W

Job Ticket: 16340

DST#: 1

ATTN: Ron Nelson

Test Start: 2002.11.02 @ 12:39:01

Tool Information

Drill Pipe:	Length: 3567.31 ft	Diameter: 3.80 inches	Volume: 50.04 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: 30.69 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 50.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3591.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			3571.00	
S.I. Tool	5.00			3576.00	
HMV	5.00			3581.00	
Packer	5.00			3586.00	21.00 Bottom Of Top Packer
Packer	5.00			3591.00	
Stubb	1.00			3592.00	
Anchor	5.00			3597.00	
Recorder	0.00	3302	Inside	3597.00	
Anchor	20.00			3617.00	
Recorder	0.00	10991	Outside	3617.00	
Bullnose	3.00			3620.00	29.00 Bottom Packers & Anchor

Total Tool Length: 50.00



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FLUID SUMMARY

American Warrior, Inc.

Gates#1-34

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

34-21S-14W

Job Ticket: 16340

DST#: 1

ATTN: Ron Nelson

Test Start: 2002.11.02 @ 12:39:01

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: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

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
20.00	102 - Oil cut Mud	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

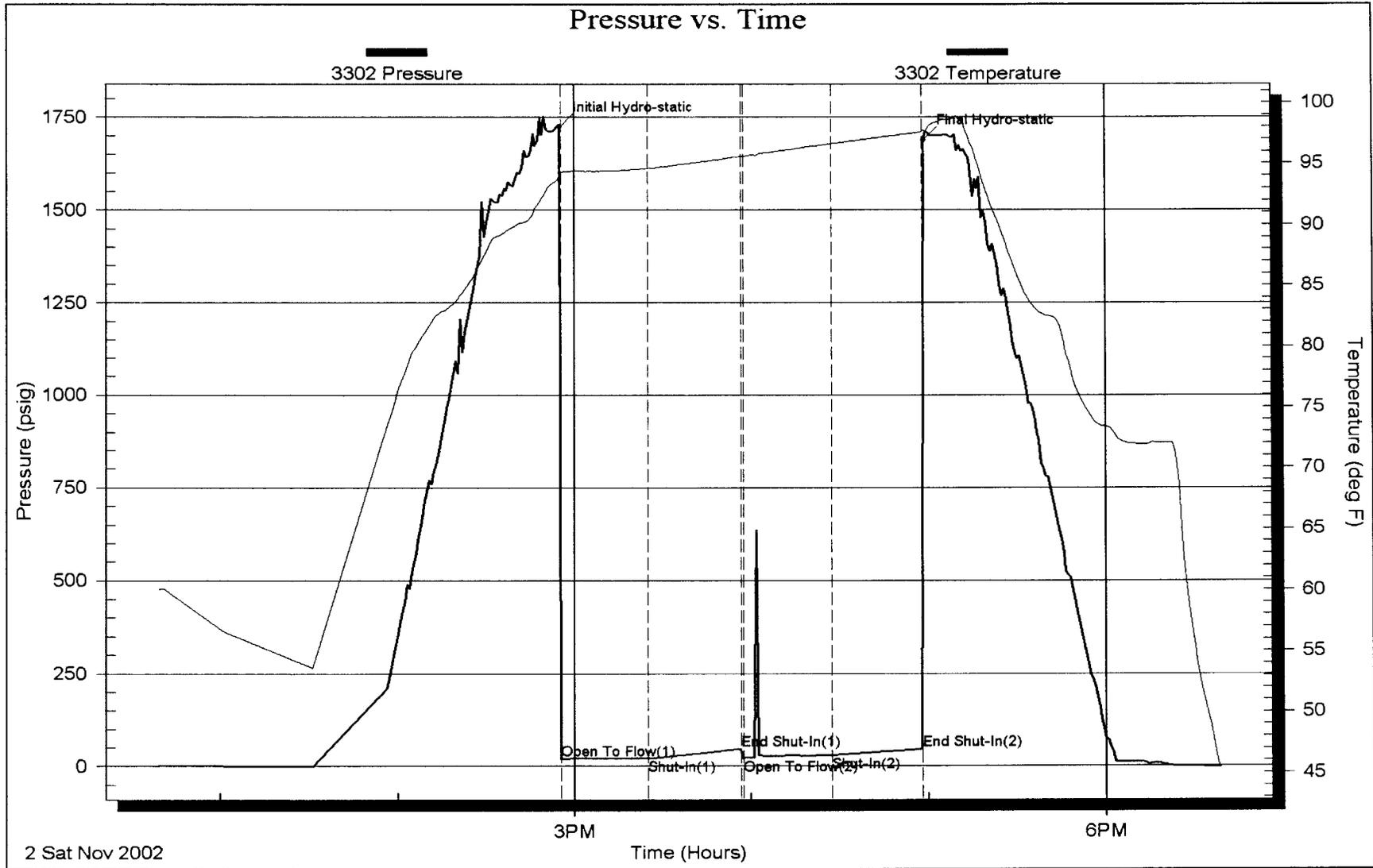
Num Gas Bombs: 0

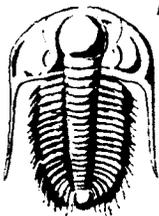
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

IN # 5723
#892

No 16340

Test Ticket

Well Name & No. Gates 1-34 Test No. # 1 Date 11-02-02
 Company American Warrior Inc. Zone Tested Lansing "J"
 Address P.O. box 399 Garden City, KS. 67846 Elevation 1928 KB 1920 GL
 Co. Rep / Geo. Ron Nelson Cont. Discovery # 2 Est. Ft. of Pay Por. %
 Location: Sec. 34 Twp. 215 Rge. 14 W Co. Stafford State Ks
 No. of Copies 5 Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 3591 - 3620 Initial Str Wt./Lbs. 45,000 Unseated Str Wt./Lbs. 45,000
 Anchor Length 29' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 55,000
 Top Packer Depth 3586' Tool Weight 2100
 Bottom Packer Depth 3591' Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 3620' Wt. Pipe Run N/A Drill Collar Run 30.69
 Mud Wt. 9.1 LCM Vis. 43 WL 9.6 Drill Pipe Size 4 1/2 x H Ft. Run 356731

Blow Description IF: Weak surface blow built to 1/4" in #120 bucket.
ISI: Bled down for 1 min. No blow back.
FF: Weak surface blow wait 5 mins flush tool built to 1/4" in #120 bucket.
FST: Bled down for 2 mins. No blow back.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>20</u>	<u>N/A</u>	<u>20'</u>	<u>N/A</u>
Rec. <u>20'</u> Feet Of <u>USOCM</u>	%gas <u>4</u>	%oil <u> </u>	%water <u>96</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 98° °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>1723</u>	<u> </u>	<u>3302</u>	<u>1130</u>
(B) First Initial Flow Pressure	<u>19</u>	<u> </u>	(depth) <u>3597'</u>	T-Started <u>1239</u>
(C) First Final Flow Pressure	<u>22</u>	<u> </u>	PSI Recorder No. <u>10991</u>	T-Open <u>1452</u>
(D) Initial Shut-In Pressure	<u>45</u>	<u> </u>	(depth) <u>3617'</u>	T-Pulled <u>1652</u>
(E) Second Initial Flow Pressure	<u>20</u>	<u> </u>	PSI Recorder No. <u> </u>	T-Out <u>1838</u>
(F) Second Final Flow Pressure	<u>29</u>	<u> </u>	(depth) <u> </u>	T-Off Location <u>1915</u>
(G) Final Shut-in Pressure	<u>45</u>	<u> </u>	PSI Initial Opening <u>30</u>	Test <u> </u> <u>700</u>
(Q) Final Hydrostatic Mud	<u>1715</u>	<u> </u>	PSI Initial Shut-in <u>30</u>	Jars <u> </u>

Final Flow 30 Safety Joint
 Final Shut-in 30 Straddle
 Circ. Sub
 Sampler

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Approved By Dator

Our Representative Darren J. Amisano

Extra Packer
 Elec. Rec. 150
 Mileage 42 42
 Other
 TOTAL PRICE \$ \$ 292

CHART PAGE

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

