

14-32s-19w

15-033-21181



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

P.O. Box 399

Garden City, KS 67846

STATE CORPORATION COMMISSION

ORIGINAL May 30 2001

ATTN: Al Downing

14-32s-19w Comanche

Lake #3

Start Date: 2001.01.28 @ 13:23:00

End Date: 2001.01.28 @ 22:50:00

Job Ticket #: 13640

DST #: 1

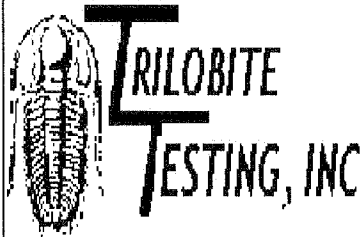
14-32s-19w
Comanche

Trilobite Testing Inc.

Box 362 Hays KS 67601

785.625.4778 trilobite@eaglecom.net

ORIGINAL



DRILL STEM TEST REPORT

American Warrior Inc

Lake #3

P.O.Box 399
Garden City, KS 67846

14-32s-19w Comanche

Job Ticket: 13640

DST#: 1

ATTN: Al Downing

Test Start: 2001.01.28 @ 13:23:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:55:05

Time Test Ended: 22:50:00

Interval: **5090.00 ft (KB) To 5208.00 ft (KB) (TVD)**

Total Depth: 5208.00 ft (KB)

Hole Diameter: 7.88 inches Hole Condition: Poor

RECEIVED
STATE CORPORATION COMMISSION
SA

MAY 30 2001

CONSERVATION DIVISION
WICHITA, KANSAS

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 13

Reference Elevations: 2026.00 ft (KB)

2013.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: **2342** Inside

Press@RunDepth: 90.72 psig @ 5108.01 ft (KB)

Start Date: 2001.01.28

End Date:

2001.01.28

Start Time: 13:23:36

End Time:

22:04:35

Capacity: 7000.00 psig

Last Calib.: 2001.01.05

Time On Btm: 2001.01.28 @ 15:51:05

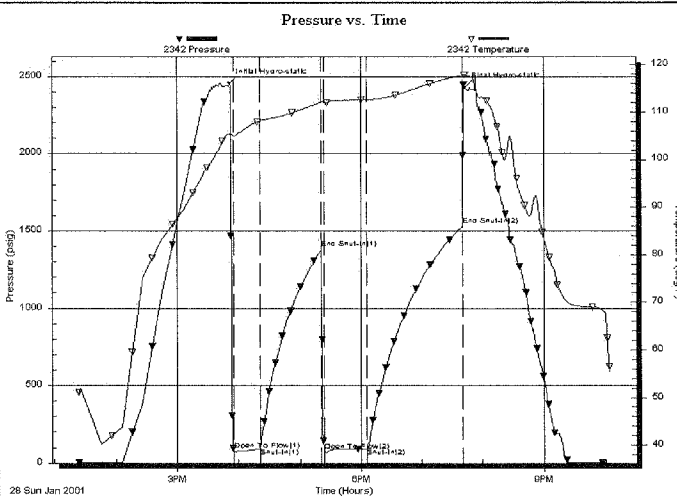
Time Off Btm: 2001.01.28 @ 19:43:05

TEST COMMENT: IF: Strong blow . GTS in 6 mins. (see gas volume report)

ISI: No blow .

FF: Strong blow . (see gas volume report)

FSI: No blow .



PRESSURE SUMMARY

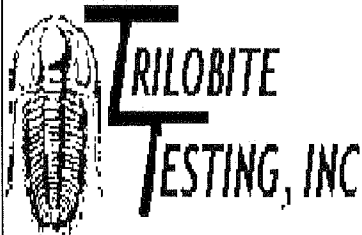
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
148	2457.48	105.39	Initial Hydro-static
152	78.46	105.01	Open To Flow (1)
178	94.16	108.16	Shut-In(1)
238	1382.20	112.09	End Shut-In(1)
240	74.60	112.07	Open To Flow (2)
283	90.72	112.59	Shut-In(2)
377	1528.40	117.80	End Shut-In(2)
380	2427.86	117.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	Gas in all fluid free pipe.	0.00
150.00	Drig. mud.	0.74

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	2.50	116.15
Last Gas Rate	0.25	14.00	45.90
Max. Gas Rate	0.25	14.00	45.90



DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

Lake #3

P.O.Box 399
Garden City, KS 67846

14-32s-19w Comanche

Job Ticket: 13640

DST#: 1

ATTN: Al Downing

Test Start: 2001.01.28 @ 13:23:00

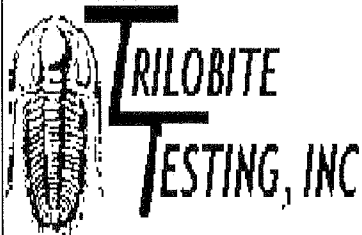
Tool Information

Drill Pipe:	Length: 4727.00 ft	Diameter: 3.80 inches	Volume: 66.31 bbl	Tool Weight: 2100.00 lb
Drill Collar:	Length: 360.00 ft	Diameter: 2.25 inches	Volume: 1.77 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: 105000.0 lb
Drill Pipe Above KB:	24.00 ft			Tool Chased 2.00 ft
Depth to Top Packer:	5085.00 ft			String Weight: Initial 81000.00 lb
Depth to Bottom Packer:	ft			Final 81000.00 lb
Interval between Packers:	ft			
Tool Length:	145.01 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			5064.00	
S.I. Tool	5.00			5069.00	
HMV	5.00			5074.00	
Jars	5.00			5079.00	
Safety Joint	2.00			5081.00	
Packer	4.00			5085.00	22.00 Bottom Of Top Packer
Packer	5.00			5090.00	
Stubb	1.00			5091.00	
Perforations	16.00			5107.00	
C.O. Sub	1.00			5108.00	
Recorder	0.01	2342	Inside	5108.01	
Blank Spacing	94.00			5202.01	
C.O. Sub	1.00			5203.01	
Recorder	0.00		Outside	5203.01	
Bullnose	5.00			5208.01	123.01 Bottom Packers & Anchor

Total Tool Length: 145.01



DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

Lake #3

P.O.Box 399
Garden City, KS 67846

14-32s-19w Comanche

Job Ticket: 13640

DST#: 1

ATTN: Al Dow ning

Test Start: 2001.01.28 @ 13:23:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API: -999999 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity: 6000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	Gas in all fluid free pipe.	0.000
150.00	Orig. mud.	0.738

Total Length: 150.00 ft

Total Volume: 0.740 bbl

Num Fluid Samples: 1

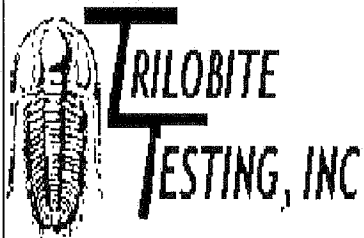
Num Gas Bombs: 0

Serial #: 2342

Laboratory Name: Caraw ay

Laboratory Location: Liberal KS

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

American Warrior Inc

Lake #3

P.O.Box 399
Garden City, KS 67846

14-32s-19w Comanche

Job Ticket: 13640

DST#: 1

ATTN: Al Downing

Test Start: 2001.01.28 @ 13:23:00

Gas Rates Information

Temperature: 40 (deg F)

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (kPaa)	Gas Rate (Mcf/d)
1	10	0.50	2.50	116.15
1	10	0.50	2.50	116.15
1	10	0.50	2.50	116.15
1	20	0.25	6.00	32.97
1	30	0.25	8.00	36.20
2	10	0.50	13.00	188.32
2	20	0.25	14.00	45.90

NATURAL GAS ANALYSIS REPORT

Sampled by:

Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:

Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number: 20010529**Analyzed: 02/01/01**

Sample From: Lake #3 DST 1

Pressure:

Producer: American Warrior, Inc.

Temperature:

Date: Location: 24-32-19

Time:

County: Comanche

Sampler:

State: Kansas

Source:

Formation: Miss

	Mole %	GPM
Helium	He: 0.081	0.000
Hydrogen	H2: 0.010	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 1.144	0.000
Carbon Dioxide	CO2: 0.063	0.000
Methane	C1: 93.816	0.000
Ethane	C2: 2.788	0.746
Propane	C3: 0.971	0.268
Iso Butane	iC4: 0.155	0.051
Normal Butane	nC4: 0.317	0.100
Iso Pentane	iC5: 0.115	0.042
Normal Pentane	nC5: 0.125	0.045
Hexanes Plus	C6+: 0.415	0.181

TOTAL: 100.000 1.432

Z Fact: 0.9977

SP.GR.: 0.6060

BTU (SAT): 1053.8 @ 14.73 psia

BTU (DRY): 1072.5 @ 14.73 psia

OCTANE RATING: 126.4

COMMENTS:

0.000

Pressure vs. Time

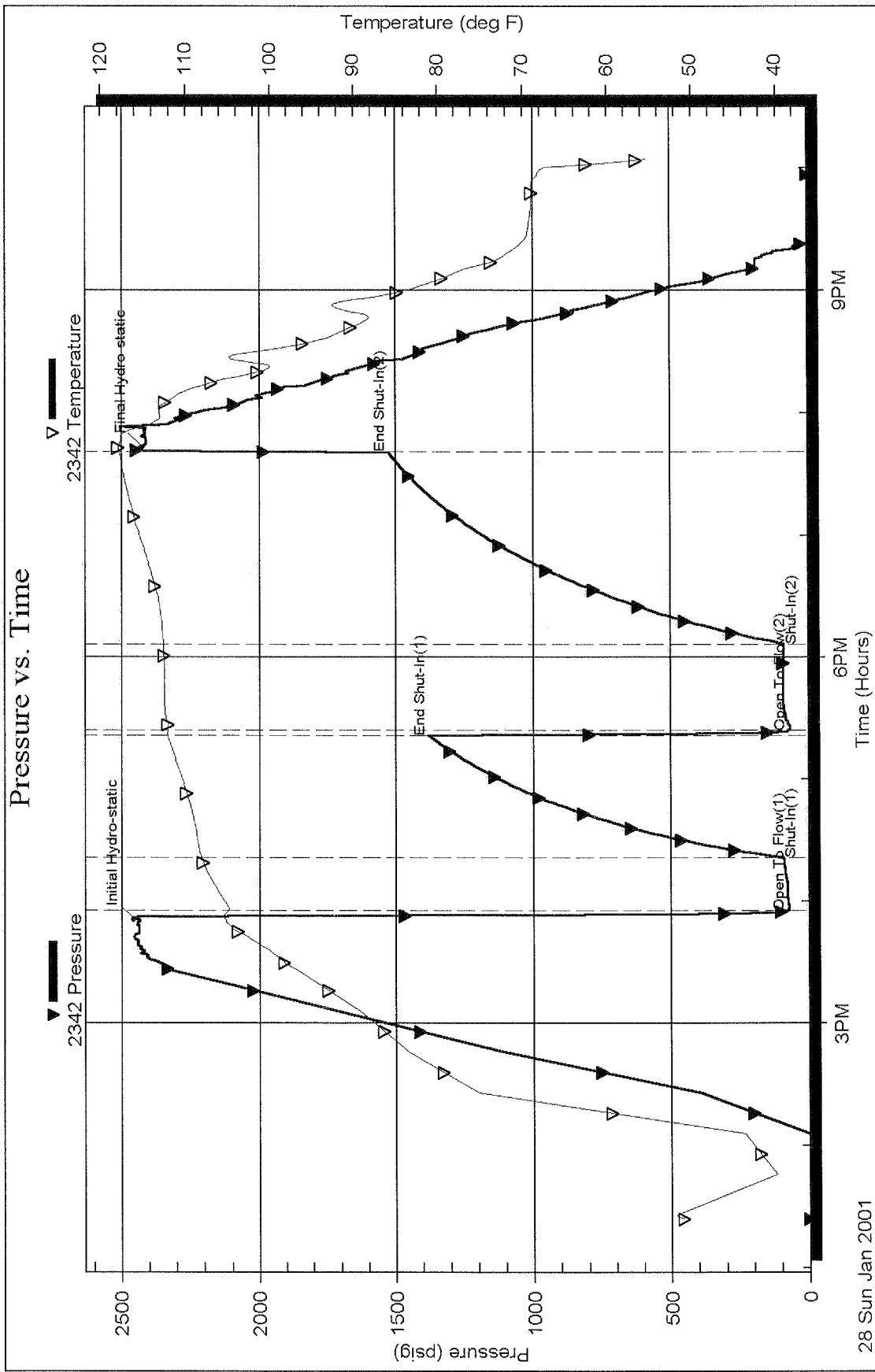
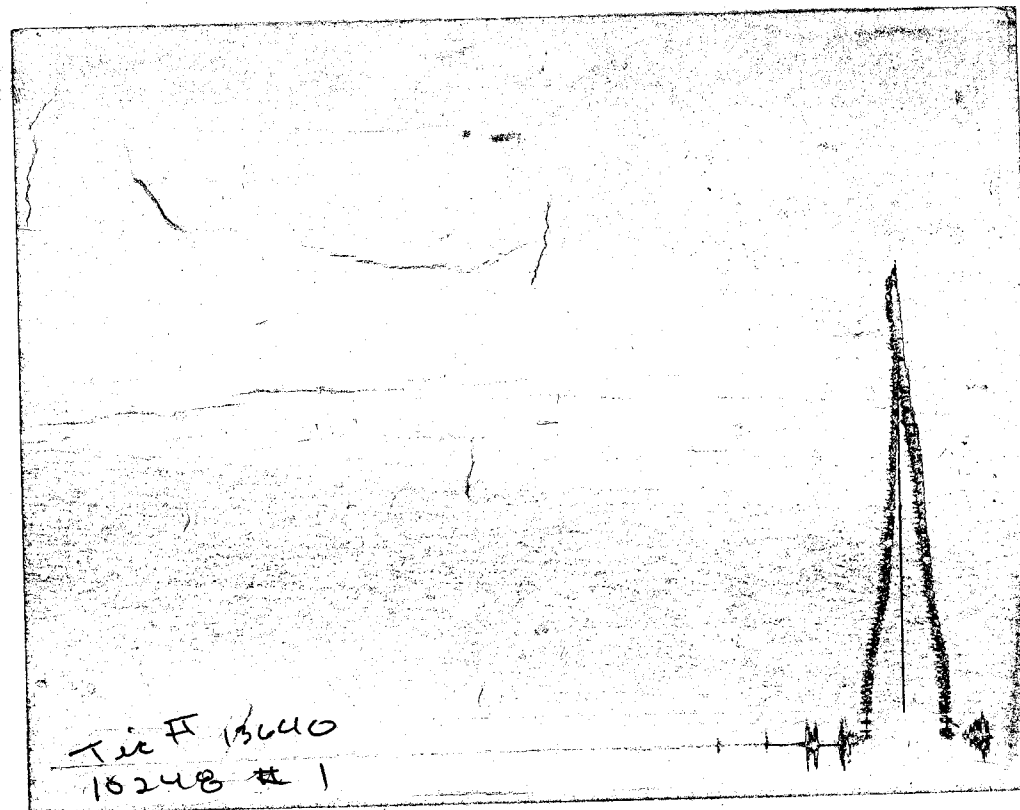


CHART PAGE



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



GAS VOLUME REPORT

GAS VOLUME REPORT
American Warrior Inc. Lake # 3

DST NO.

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 13640

Test Ticket

Well Name & No.	<u>Lake #3</u>	Test No.	<u>1</u>	Date	<u>01-28-2001</u>
Company	<u>American Warrior Inc.</u>	Zone Tested	<u>Miss</u>		
Address	<u>P.O. Box 399, Gordon City Ky. 47846</u>				
Co. Rep / Geo.	<u>Al Downing</u>	Cont.	<u>Dulse Dely</u>	Est. Ft. of Pay	<u>25</u> Por. %
Location: Sec.	<u>14</u>	Twp.	<u>32 S</u>	Rge.	<u>19 W</u>
No. of Copies	<u>5</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u></u>
				Evaluation (Y, N)	<u></u>

Interval Tested	<u>5090 - 5208</u>	Initial Str Wt./Lbs.	<u>81,000</u>	Unseated Str Wt./Lbs.	<u>81,000</u>
Anchor Length	<u>118'</u>	Wt. Set Lbs.	<u>20,000</u>	Wt. Pulled Loose/Lbs.	<u>94,000</u>
Top Packer Depth	<u>5085'</u>	Tool Weight	<u>2100 lb</u>		
Bottom Packer Depth	<u>5090'</u>	Hole Size — 7 7/8"	<u>✓</u>	Rubber Size — 6 3/4"	<u>✓</u>
Total Depth	<u>5208'</u>	Wt. Pipe Run	<u>None</u>	Drill Collar Run	<u>360</u>
Mud Wt.	<u>9.0</u> LCM <u>5th</u> Vis. <u>S3</u> WL <u>80cc</u>	Drill Pipe Size	<u>4 1/2" X 14'</u>	Ft. Run	<u>4727</u>
Blow Description <u>IF: Strong blow. CTS in 6 mins. (see gas volume report) IST: No blow.</u>					
<u>FF: Strong blow. (see gas volume report) ESI: No blow</u>					
<u>Comment: approx 20' fill fill @ btm prod.</u>					
Recovery — Total Feet	<u>150</u>	GIP	<u>yes</u>	Ft. in DC	<u>150</u>
Rec.	<u>150</u>	Feet Of	<u>Dely. Mud</u>	%gas	%oil
Rec.		Feet Of		%gas	%oil
Rec.		Feet Of		%gas	%oil
Rec.		Feet Of		%gas	%oil
Rec.		Feet Of		%gas	%oil
BHT	<u>118</u>	°F Gravity	<u>N/A</u>	°API D@	<u>N/A</u>
RW	<u>N.C. @</u>	°F Chlorides	<u>6,000</u> ppm	Recovery	<u>6,000</u> ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	2457	PSI	Recorder No.	2342	T-On Location	1310
(B) First Initial Flow Pressure			28	PSI	(depth)	5108'	T-Started	1323
(C) First Final Flow Pressure			94	PSI	Recorder No.	10248	T-Open	1555
(D) Initial Shut-In Pressure			1382	PSI	(depth)	5203'	T-Pulled	1937
(E) Second Initial Flow Pressure			75	PSI	Recorder No.		T-Out	2250
(F) Second Final Flow Pressure			91	PSI	(depth)		T-Off Location	0005
(G) Final Shut-in Pressure			1528	PSI	Initial Opening	30	Test	✓ 900 ⁰⁰
(Q) Final Hydrostatic Mud			2428	PSI	Initial Shut-in	40	Jars	✓ 200 ⁰⁰
					Final Flow	43	Safety Joint	✓ 50 ⁰⁰
					Final Shut-in	90	Straddle	
							Circ. Sub	
							Sampler	
							Extra Packer	
							Elec. Rec.	✓ 150 ⁰⁰
							Mileage	✓ 65
							Other	
							TOTAL PRICE \$	✓ 1365 ⁰⁰

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

Cony P. [Signature]