

## DRILL STEM TEST REPORT

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

PO Box 399  
Garden City, KS 67846

ATTN: Jason Alm

### **Adrienne #2-18**

#### **18-19s-21w Ness,KS**

Start Date: 2011.12.01 @ 00:58:26

End Date: 2011.12.01 @ 06:34:26

Job Ticket #: 44698                      DST #: 1

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

Printed: 2011.12.06 @ 08:45:41

American Warrior, Inc.

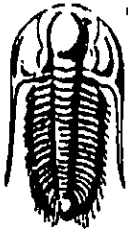
18-19s-21w Ness,KS

Adrienne #2-18

DST # 1

Cherokee Sand

2011.12.01



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

American Warrior, Inc.  
PO Box 399  
Garden City, KS 67846  
ATTN: Jason Alm

**18-19s-21w Ness, KS**  
**Adrienne #2-18**  
Job Ticket: 44698      DST#: 1  
Test Start: 2011.12.01 @ 00:58:26

### GENERAL INFORMATION:

Formation: **Cherokee Sand**  
Deviated: **No Whipstock**      ft (KB)  
Time Tool Opened: 03:11:11  
Time Test Ended: 06:34:26  
Interval: **4242.00 ft (KB) To 4265.00 ft (KB) (TVD)**  
Total Depth: **4265.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Test Type: **Conventional Bottom Hole (Initial)**  
Tester: **Jason McLemore**  
Unit No: **54**  
Reference Elevations: **2210.00 ft (KB)**  
**2205.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

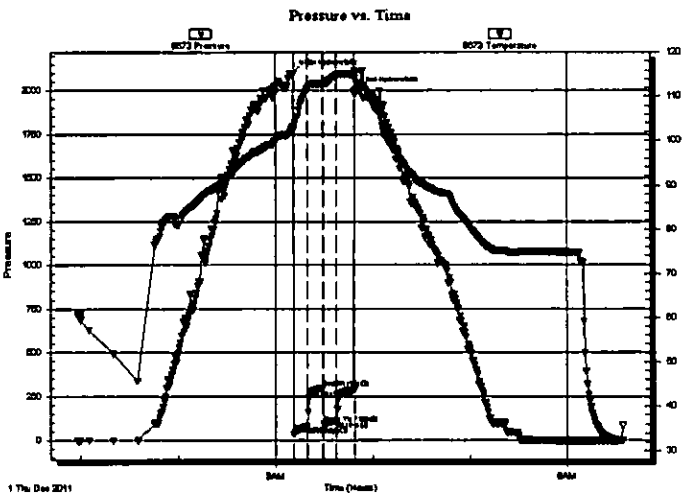
### Serial #: 8673

Inside

Press@RunDepth: **110.91 psig @ 4244.00 ft (KB)**  
Start Date: **2011.12.01**      End Date: **2011.12.01**  
Start Time: **00:58:28**      End Time: **06:34:26**

Capacity: **8000.00 psig**  
Last Calib.: **2011.12.01**  
Time On Btrm: **2011.12.01 @ 03:10:56**  
Time Off Btrm: **2011.12.01 @ 03:48:56**

TEST COMMENT: **IFP-Strong, BOB in 5 Mn.**  
**IS-Blow back Built to 1"**  
**FFP-Strong, BOB in 6 Mn.**  
**FSI-Blow back Built to 1-1/2"**



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2098.70	102.99	Initial Hydro-static
1	34.64	102.35	Open To Flow (1)
9	79.09	111.61	Shut-In(1)
19	296.82	112.82	End Shut-In(1)
19	95.37	112.82	Open To Flow (2)
27	110.91	114.75	Shut-In(2)
38	289.87	114.94	End Shut-In(2)
38	1999.85	114.88	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
180.00	GOCMW-20%G-25%O-50%W-5%M	1.44
50.00	HOCWM-40%O-20%W-40%M	0.70
0.00	300' Gas In Pipe	0.00

### Gas Rates

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





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

American Warrior, Inc.

18-19s-21w Ness, KS

PO Box 399  
Garden City, KS 67846

Adrienne #2-18

Job Ticket: 44698

DST#: 1

ATTN: Jason Alm

Test Start: 2011.12.01 @ 00:58:26

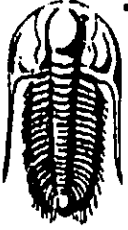
**Tool Information**

Drill Pipe:	Length: 4100.00 ft	Diameter: 3.80 inches	Volume: 57.51 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 58.10 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	4242.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4215.00	
Shut In Tool	5.00			4220.00	
Hydraulic tool	5.00			4225.00	
Jars	5.00			4230.00	
Safety Joint	2.00			4232.00	
Packer	5.00			4237.00	28.00 Bottom Of Top Packer
Packer	5.00			4242.00	
Stubb	1.00			4243.00	
Perforations	1.00			4244.00	
Recorder	0.00	8673	Inside	4244.00	
Recorder	0.00	8736	Outside	4244.00	
Perforations	18.00			4262.00	
Bullnose	3.00			4265.00	23.00 Bottom Packers & Anchor

**Total Tool Length: 51.00**



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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

American Warrior, Inc.

**18-19s-21w Ness,KS**

PO Box 399  
Garden City, KS 67846

**Adrienne #2-18**

Job Ticket: 44698

**DST#: 1**

ATTN: Jason Alm

Test Start: 2011.12.01 @ 00:58:26

**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:

27000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6600.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
180.00	GOCMW-20%G-25%O-50%W-5%M	1.441
50.00	HOCWM-40%O-20%W-40%M	0.701
0.00	300' Gas In Pipe	0.000

Total Length: 230.00 ft

Total Volume: 2.142 bbl

Num Fluid Samples: 0

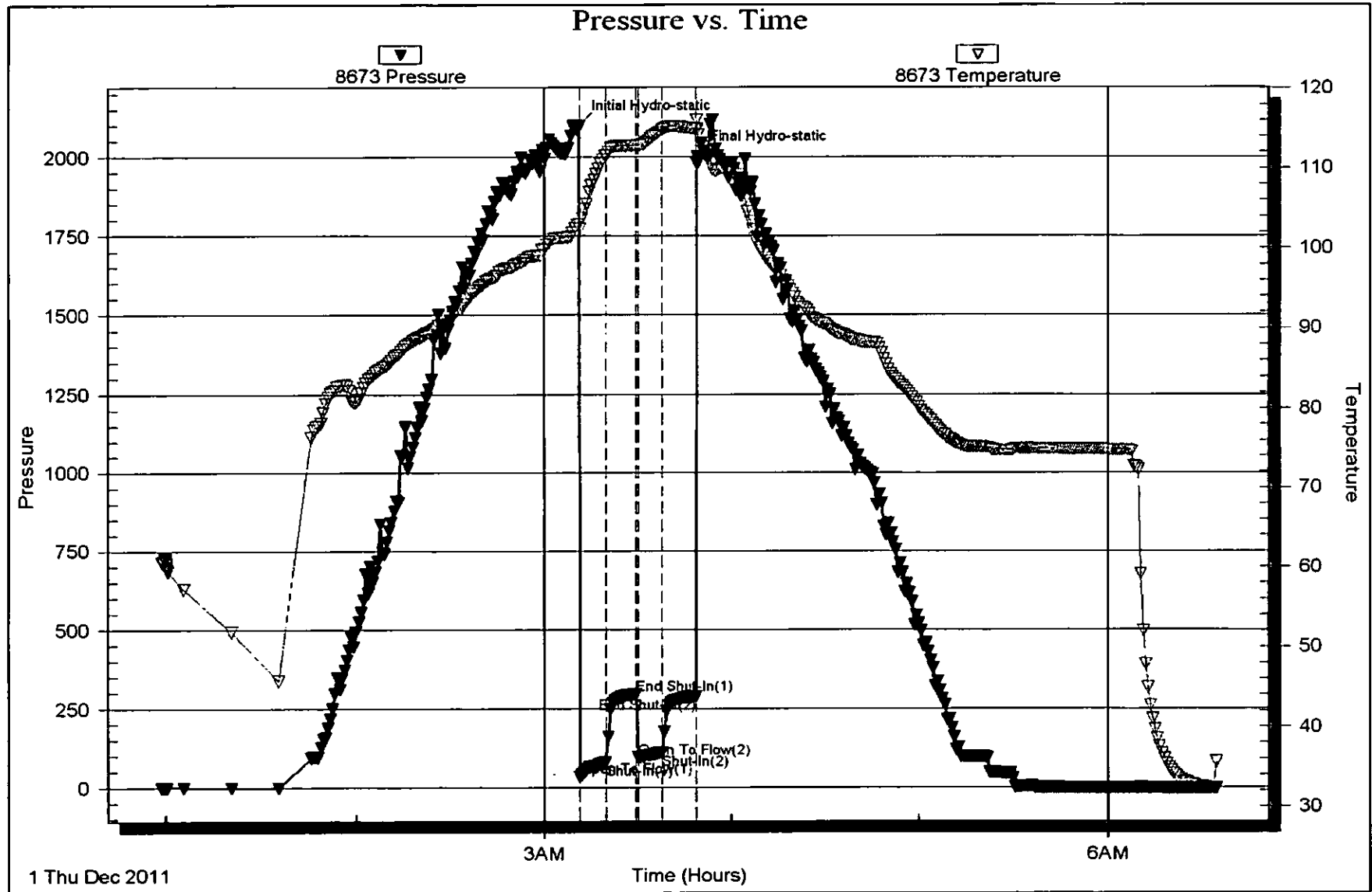
Num Gas Bombs: 0

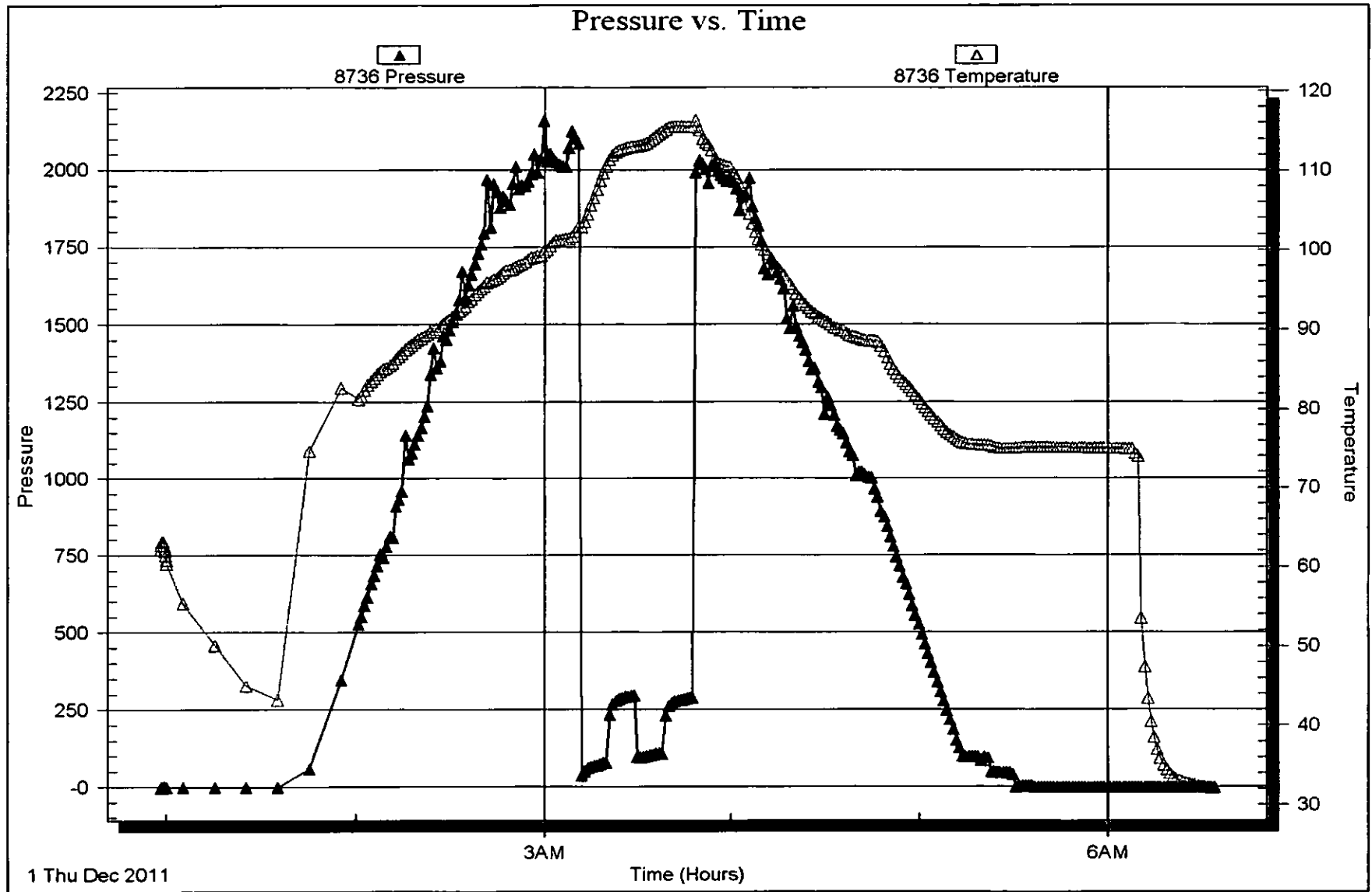
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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DEC 02 2011

## Test Ticket

NO. 44698

Well Name & No. Adrienne #2-18 Test No. 1 Date 12-1-11  
 Company American Warrior, Inc. Elevation 2210 KB 2205 GL  
 Address PO Box 399, Garden City, KS. 67846  
 Co. Rep / Geo. Jason Alm Rig Petro mark #1  
 Location: Sec. 18 Twp. 19s Rge. 21w Co. Ness State KS

Interval Tested 4242 - 4265 Zone Tested Cherokee Sand  
 Anchor Length 23' Drill Pipe Run 4100 Mud Wt. 9.0  
 Top Packer Depth 4237 Drill Collars Run 119 Vis 43  
 Bottom Packer Depth 4242 Wt. Pipe Run 0 WL 7.2  
 Total Depth 4265 Chlorides 6,600 ppm System LCM Trace  
 Blow Description IFP - Strong, BOB in 5 min.  
ISI. 1" Blowback  
FFP - Strong, BOB in 6 min.  
FSI. 1 1/2" Blowback

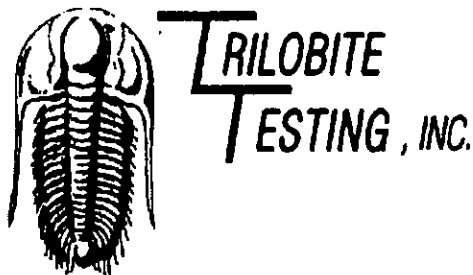
Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>HOC MW</u>	<u>25</u>	<u>20</u>	<u>45</u>	<u>10</u>
<u>60</u>	<u>60C MW</u>	<u>25</u>	<u>20</u>	<u>45</u>	<u>10</u>
<u>120</u>	<u>60C MW</u>	<u>15</u>	<u>30</u>	<u>50</u>	<u>5</u>
<u>300'</u>	<u>GIP</u>				

Rec Total \_\_\_\_\_ BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW 560 @ 35 °F Chlorides 27,000 ppm

(A) Initial Hydrostatic <u>2099</u>	<input checked="" type="checkbox"/> Test <u>1225'</u>	T-On Location <u>23:50</u>
(B) First Initial Flow <u>35</u>	<input checked="" type="checkbox"/> Jars <u>250'</u>	T-Started <u>24:56</u>
(C) First Final Flow <u>79</u>	<input checked="" type="checkbox"/> Safety Joint <u>75'</u>	T-Open <u>3:06</u>
(D) Initial Shut-In <u>297</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>3:38</u>
(E) Second Initial Flow <u>95</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>6:34</u>
(F) Second Final Flow <u>111</u>	<input checked="" type="checkbox"/> Mileage <u>118 rt 165.20</u>	Comments _____
(G) Final Shut-In <u>290</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2000</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>5</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>10</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>7</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>10</u>	<input type="checkbox"/> Day Standby _____	Total <u>1715.20</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc'l _____
	Sub Total <u>1715.20</u>	

Approved By \_\_\_\_\_ Our Representative Jason M. Jamon Thank You

TriLOBite Testing Inc. shall not be liable for damaged 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.



## DRILL STEM TEST REPORT

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

PO Box 399  
Garden City, KS 67846

ATTN: Jason Alm

**Adrienne #2-18**

**18-19s-21w Ness,KS**

Start Date: 2011.12.01 @ 17:58:15

End Date: 2011.12.02 @ 02:11:30

Job Ticket #: 44699                      DST #: 2

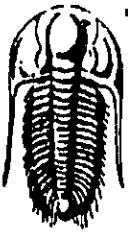
Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2011.12.06 @ 08:44:52

American Warrior, Inc. 18-19s-21w Ness,KS Adrienne #2-18 DST # 2 Mississippi 2011.12.01







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc.

**18-19s-21w Ness,KS**

PO Box 399  
Garden City, KS 67846

**Adrienne #2-18**

Job Ticket: 44699

**DST#: 2**

ATTN: Jason Alm

Test Start: 2011.12.01 @ 17:58:15

### Tool Information

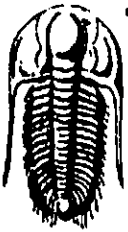
Drill Pipe:	Length: 4224.00 ft	Diameter: 3.80 inches	Volume: 59.25 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 59.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4340.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.00 ft			
Tool Length:	36.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4313.00	
Shut In Tool	5.00			4318.00	
Hydraulic tool	5.00			4323.00	
Jars	5.00			4328.00	
Safety Joint	2.00			4330.00	
Packer	5.00			4335.00	28.00 Bottom Of Top Packer
Packer	5.00			4340.00	
Stubb	1.00			4341.00	
Perforations	1.00			4342.00	
Recorder	0.00	8673	Inside	4342.00	
Recorder	0.00	8736	Outside	4342.00	
Perforations	3.00			4345.00	
Bullnose	3.00			4348.00	8.00 Bottom Packers & Anchor

**Total Tool Length: 36.00**



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**FLUID SUMMARY**

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**18-19s-21w Ness,KS**

PO Box 399  
Garden City, KS 67846

**Adrienne #2-18**

Job Ticket: 44699

**DST#: 2**

ATTN: Jason Alm

Test Start: 2011.12.01 @ 17:58:15

## 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:

31000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7100.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	VSOCMW-5%O-60%W-35%M	0.295

Total Length: 60.00 ft      Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

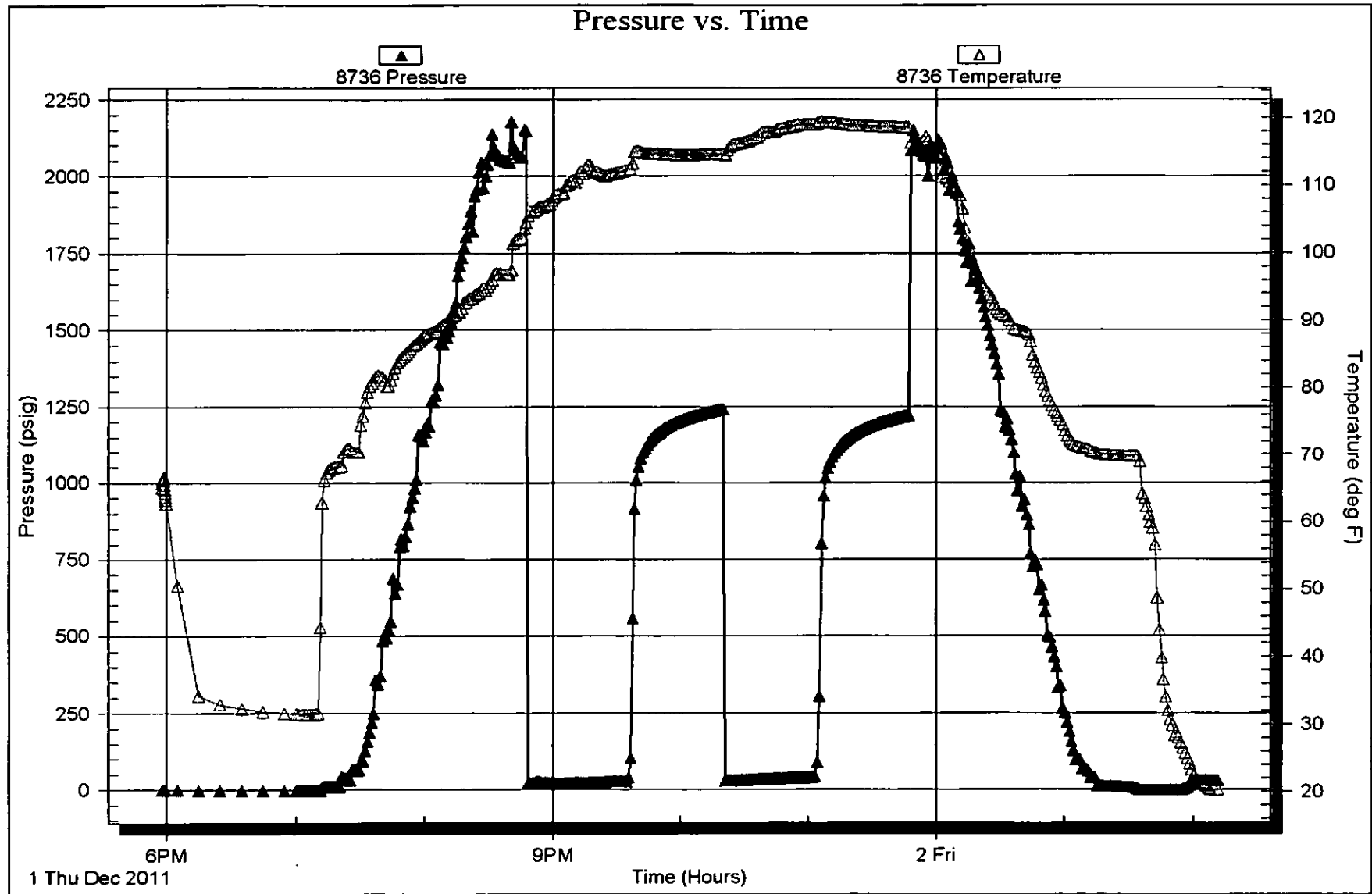
Serial #:

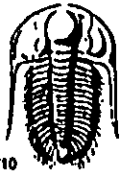
Laboratory Name:

Laboratory Location:

Recovery Comments:







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P.O. Box 1733 • Hays, Kansas 67601

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DEC 02 2011  
BY: \_\_\_\_\_

## Test Ticket

NO. 44699

Well Name & No. Adrienne #2-18 Test No. 2 Date 12-1-11  
 Company American Warrior Inc. Elevation 2210 KB 2205 GL  
 Address PO Box 399, Garden City, KS. 67846  
 Co. Rep / Geo. Jason Alm Rig Petromark #1  
 Location: Sec. 18 Twp. 19s Rge. 21w Co. Ness State KS

Interval Tested 4340-4348 Zone Tested Mississippi  
 Anchor Length 8' Drill Pipe Run \_\_\_\_\_ Mud Wt. 4.0  
 Top Packer Depth 4335 Drill Collars Run 119 Vis 57  
 Bottom Packer Depth 4340 Wt. Pipe Run 0 WL 8.0  
 Total Depth 4348 Chlorides 7100 ppm System \_\_\_\_\_ LCM Ø  
 Blow Description IFP-Weak, Built to 2 1/4"  
ISI-Dead  
FFP-Weak Blow, Built to 1 1/2"  
FSI-Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>USOCMW</u>		<u>5</u>	<u>60</u>	<u>35</u>
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 60 BHT 116° Gravity \_\_\_\_\_ API RW .783 @ 23° F Chlorides 31,000 ppm  
 (A) Initial Hydrostatic 2149 ~~Test~~ 1225 T-On Location 17:47  
 (B) First Initial Flow 21 ~~Jars~~ 250 T-Started 17:56  
 (C) First Final Flow 29 ~~Safety Joint~~ 75 T-Open 20:42  
 (D) Initial Shut-In 1242  Circ Sub \_\_\_\_\_ T-Pulled 23:42  
 (E) Second Initial Flow 30  Hourly Standby \_\_\_\_\_ T-Out 2:12  
 (F) Second Final Flow 42 ~~Mileage~~ 118 rt 165.20 Comments \_\_\_\_\_  
 (G) Final Shut-In 1222  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2147  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1715.20

Initial Open 45  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 45

Approved By \_\_\_\_\_ Our Representative Jason Mc Lemmon  
 Thank you

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