



## DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc**

PO Box 399  
Garden City, KS 67846

ATTN: Jason Alm

### **Jenetta #2-14**

#### **14 19s 25w Ness,KS**

Start Date: 2013.11.15 @ 21:15:00

End Date: 2013.11.16 @ 03:26:15

Job Ticket #: 55606                      DST #: 1

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

Printed: 2013.11.19 @ 13:17:43



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

**14 19s 25w Ness, KS**  
**Jenetta #2-14**  
 Job Ticket: 55606 **DST#: 1**  
 Test Start: 2013.11.15 @ 21:15:00

## GENERAL INFORMATION:

Formation: **Ft. Scott**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 23:59:45  
 Time Test Ended: 03:26:15  
 Interval: **4290.00 ft (KB) To 4355.00 ft (KB) (TVD)**  
 Total Depth: 4355.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Bradley Walter  
 Unit No: 69  
 Reference Elevations: 2394.00 ft (KB)  
 2383.00 ft (CF)  
 KB to GR/CF: 11.00 ft

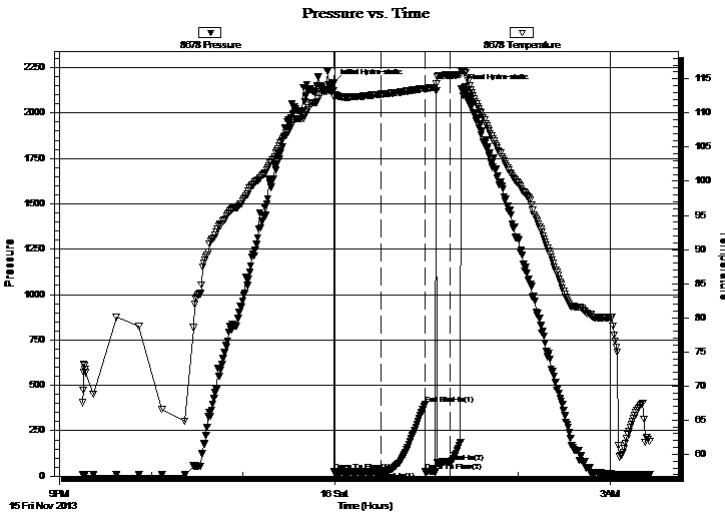
## Serial #: 8678

Inside

Press@RunDepth: 24.36 psig @ 4291.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.11.15 End Date: 2013.11.16 Last Calib.: 2013.11.16  
 Start Time: 21:15:05 End Time: 03:26:14 Time On Btm: 2013.11.15 @ 23:59:30  
 Time Off Btm: 2013.11.16 @ 01:22:45

TEST COMMENT: IF: Surface blow , Died @ 17 min.  
 IS: No return.  
 FF: No blow . Flushed tool, temporary loss of packer seat, blow died.  
 FS: Pulled test.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2164.25	113.25	Initial Hydro-static
1	23.98	112.33	Open To Flow (1)
31	24.36	112.74	Shut-In(1)
60	393.95	113.60	End Shut-In(1)
60	24.64	113.45	Open To Flow (2)
77	78.47	115.55	Shut-In(2)
84	2135.09	116.20	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	mud 100m (oil specs in tool)	0.44

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc

**14 19s 25w Ness, KS**

PO Box 399  
Garden City, KS 67846

**Jenetta #2-14**

Job Ticket: 55606

**DST#: 1**

ATTN: Jason Alm

Test Start: 2013.11.15 @ 21:15:00

## Tool Information

Drill Pipe:	Length: 4046.00 ft	Diameter: 3.80 inches	Volume: 56.75 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 250.00 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 57.98 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4290.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	92.00 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			4264.00	
Shut In Tool	5.00			4269.00	
Hydraulic tool	5.00			4274.00	
Jars	5.00			4279.00	
Safety Joint	2.00			4281.00	
Packer	5.00			4286.00	27.00 Bottom Of Top Packer
Packer	4.00			4290.00	
Stubb	1.00			4291.00	
Recorder	0.00	8678	Inside	4291.00	
Recorder	0.00	8522	Outside	4291.00	
Perforations	28.00			4319.00	
Change Over Sub	1.00			4320.00	
Drill Pipe	31.00			4351.00	
Change Over Sub	1.00			4352.00	
Bullnose	3.00			4355.00	65.00 Bottom Packers & Anchor

**Total Tool Length: 92.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc

**14 19s 25w Ness, KS**

PO Box 399  
Garden City, KS 67846

**Jenetta #2-14**

Job Ticket: 55606

**DST#: 1**

ATTN: Jason Alm

Test Start: 2013.11.15 @ 21:15:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 49.00 sec/qt  
Water Loss: 11.18 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 8500.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 0 deg API  
Water Salinity: 0 ppm

## Recovery Information

Recovery Table

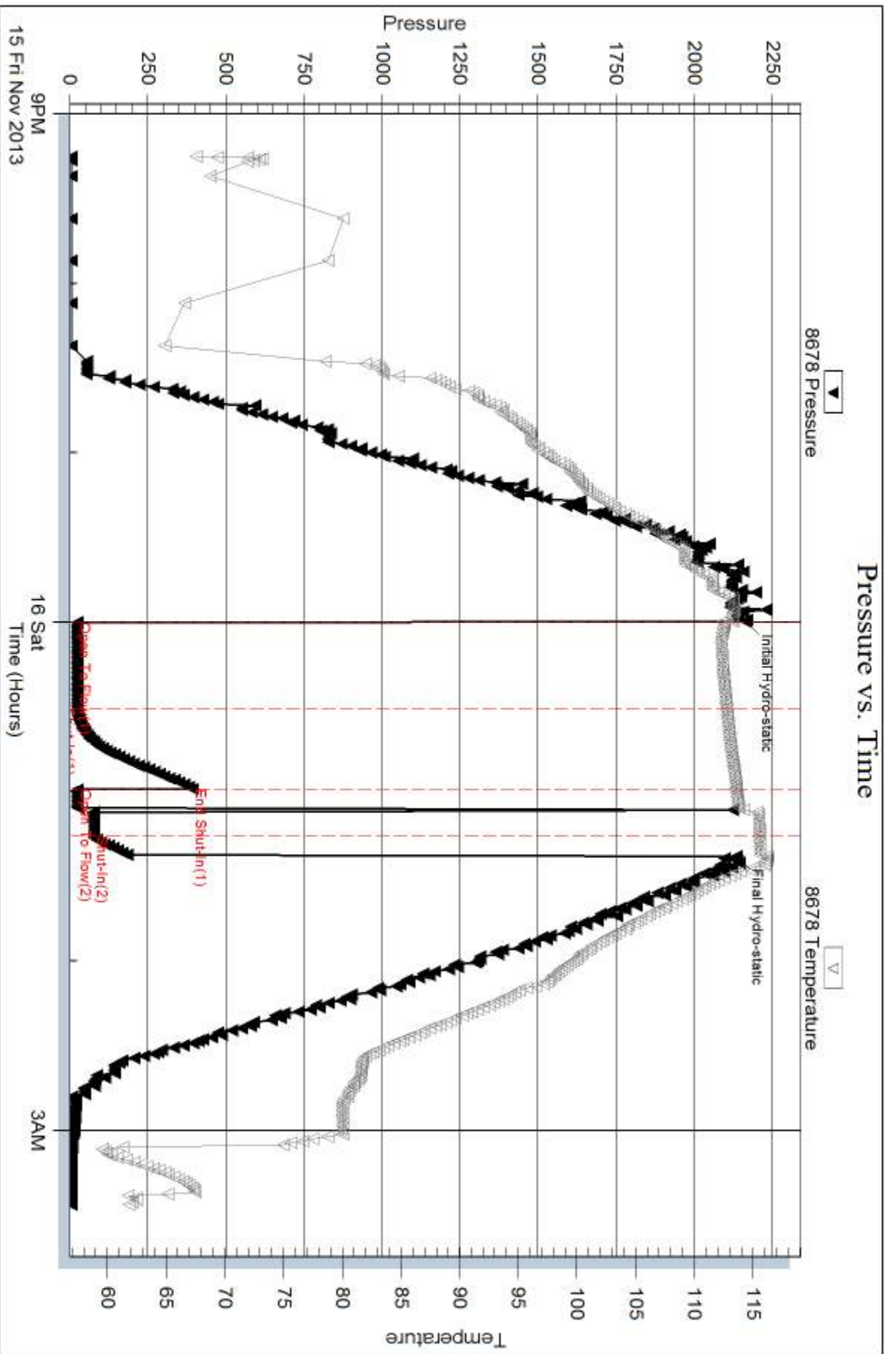
Length ft	Description	Volume bbl
90.00	mud 100m (oil specs in tool)	0.443

Total Length: 90.00 ft      Total Volume: 0.443 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: Took on most of the fluid durring Tool flush





## DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc**

PO Box 399  
Garden City, KS 67846

ATTN: Jason Alm

### **Jenetta #2-14**

#### **14 19s 25w Ness,KS**

Start Date: 2013.11.16 @ 15:26:00

End Date: 2013.11.16 @ 23:44:30

Job Ticket #: 55607                      DST #: 2

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

Printed: 2013.11.19 @ 13:16:52



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

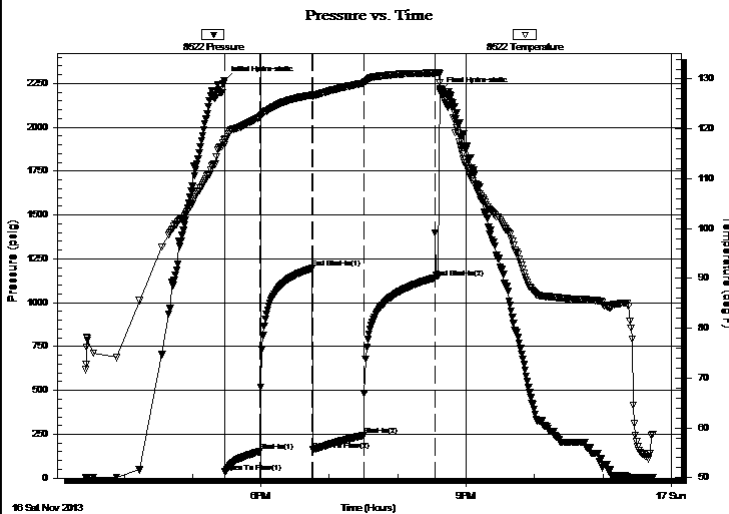
**14 19s 25w Ness, KS**  
**Jenetta #2-14**  
 Job Ticket: 55607 **DST#: 2**  
 Test Start: 2013.11.16 @ 15:26:00

## GENERAL INFORMATION:

Formation: **Mississippian**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 17:28:15 Tester: Bradley Walter  
 Time Test Ended: 23:44:30 Unit No: 69  
 Interval: **4425.00 ft (KB) To 4435.00 ft (KB) (TVD)** Reference Elevations: 2394.00 ft (KB)  
 Total Depth: 4435.00 ft (KB) (TVD) 2383.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

**Serial #: 8522 Outside**  
 Press@RunDepth: 244.55 psig @ 4426.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.11.16 End Date: 2013.11.16 Last Calib.: 2013.11.16  
 Start Time: 15:26:05 End Time: 23:44:29 Time On Btm: 2013.11.16 @ 17:28:00  
 Time Off Btm: 2013.11.16 @ 20:37:15

TEST COMMENT: IF: BOB @ 8 min.  
 IS: Surface return.  
 FF: BOB @ 13 min.  
 FS: Surface return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2266.52	117.72	Initial Hydro-static
1	35.07	116.84	Open To Flow (1)
31	153.26	122.38	Shut-In(1)
77	1195.64	126.77	End Shut-In(1)
78	161.86	126.48	Open To Flow (2)
123	244.55	129.18	Shut-In(2)
185	1141.39	131.19	End Shut-In(2)
190	2202.60	128.03	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	gmco 20g 30m 50o	0.30
570.00	gsmco 20g 2m 78o	6.26
0.00	180' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc

**14 19s 25w Ness, KS**

PO Box 399  
Garden City, KS 67846

**Jenetta #2-14**

Job Ticket: 55607

**DST#: 2**

ATTN: Jason Alm

Test Start: 2013.11.16 @ 15:26:00

## Tool Information

Drill Pipe:	Length: 4173.00 ft	Diameter: 3.80 inches	Volume: 58.54 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 250.00 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: 83000.00 lb
			<u>Total Volume: 59.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4425.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	37.00 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			4399.00	
Shut In Tool	5.00			4404.00	
Hydraulic tool	5.00			4409.00	
Jars	5.00			4414.00	
Safety Joint	2.00			4416.00	
Packer	5.00			4421.00	27.00 Bottom Of Top Packer
Packer	4.00			4425.00	
Stubb	1.00			4426.00	
Recorder	0.00	8678	Inside	4426.00	
Recorder	0.00	8522	Outside	4426.00	
Perforations	6.00			4432.00	
Bullnose	3.00			4435.00	10.00 Bottom Packers & Anchor

**Total Tool Length: 37.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**14 19s 25w Ness,KS**  
**Jenetta #2-14**  
Job Ticket: 55607      **DST#: 2**  
Test Start: 2013.11.16 @ 15:26:00

## Mud and Cushion Information

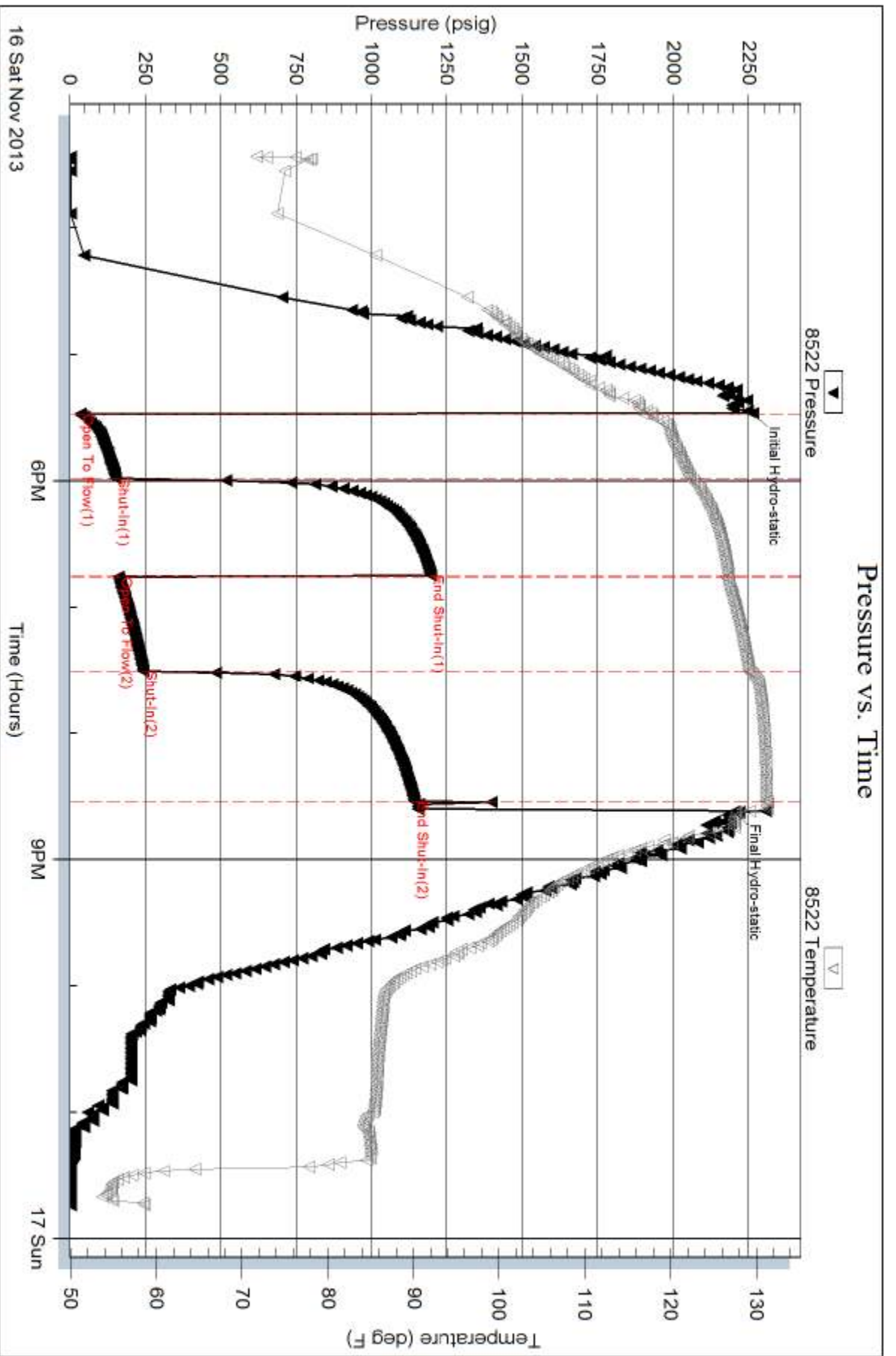
Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 62.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.39 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 6800.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	gmco 20g 30m 50o	0.295
570.00	gsmco 20g 2m 78o	6.265
0.00	180' GIP	0.000

Total Length: 630.00 ft      Total Volume: 6.560 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:



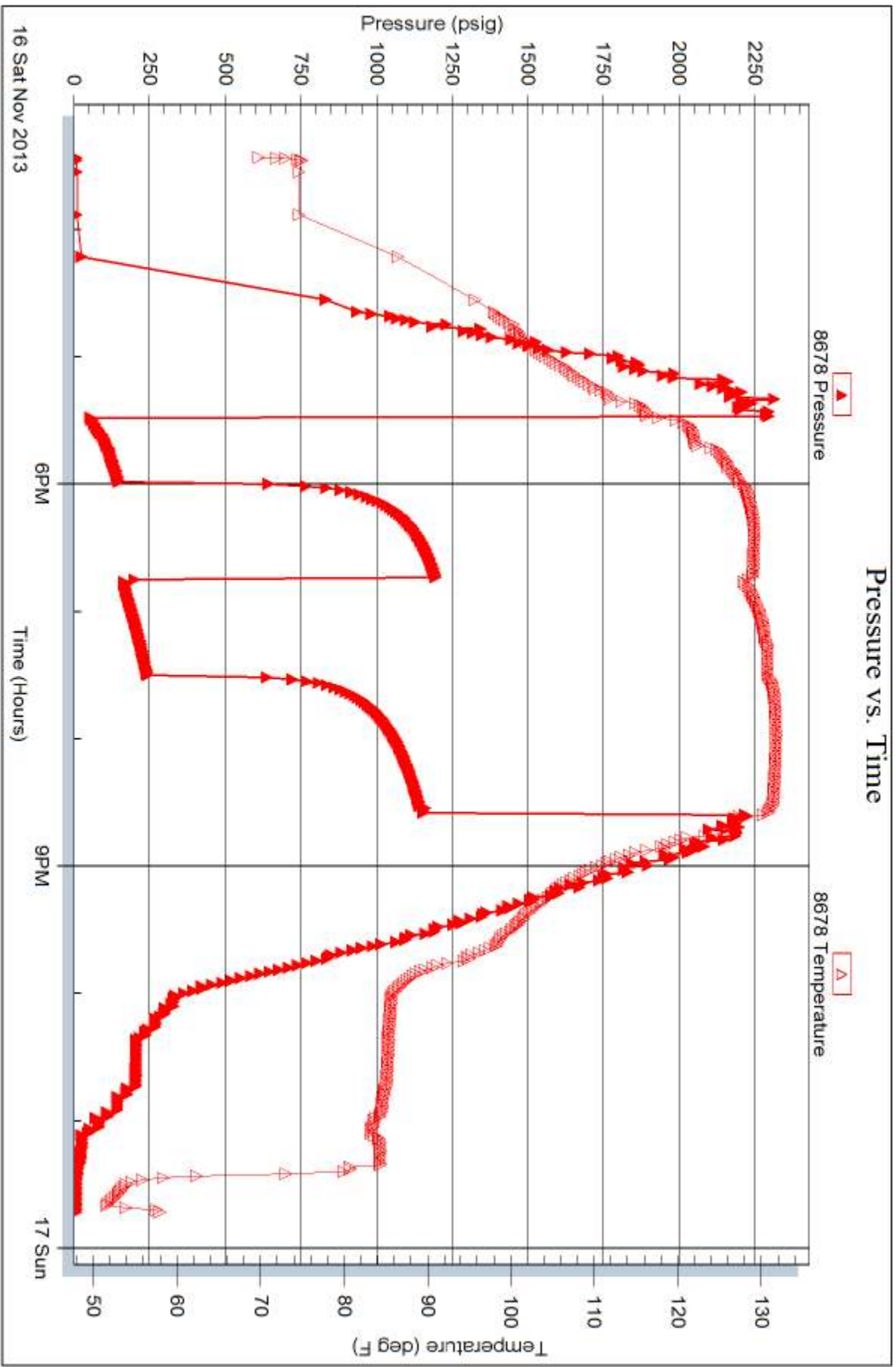
Serial #: 8678

Inside

American Warrior, Inc

Jenetta #2-14

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 55607

Printed: 2013.11.19 @ 13:16:54



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **55606**

Well Name & No. Jenetta #2-14 Test No. 1 Date 11/16/13  
 Company American Warrior, Inc Elevation 2394 KB 2383 GL  
 Address P.O. Box 399 Garden City, Ks 67846  
 Co. Rep / Geo. Jason Alm Rig Duke #5  
 Location: Sec. 14 Twp. 19s Rge. 25w Co. Ft. Hess State Ks

Interval Tested 4290 4355 Zone Tested Ft Scott  
 Anchor Length 65' Drill Pipe Run 4046 Mud Wt. 9.4  
 Top Packer Depth 4285 Drill Collars Run 250 Vis 49  
 Bottom Packer Depth 4290 Wt. Pipe Run 0 WL 11.2  
 Total Depth 4355 Chlorides 8500 ppm System LCM 1#

Blow Description IF: Surface blow died @ 17 min.  
ISI: No return.  
FF: No blow, Flushed tool, Temp Packer seat loss, blow died  
FST: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>MUD</u>			<u>100</u>	
	<u>OIL spec's in tool</u>				

Rec Total 90 BHT 116 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2164</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1930</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>2115</u>
(C) First Final Flow <u>24</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0001 11/16</u>
(D) Initial Shut-In <u>394</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>0115</u>
(E) Second Initial Flow <u>25</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0326</u>
(F) Second Final Flow <u>78</u>	<input checked="" type="checkbox"/> Mileage <u>102 RT 158.10</u>	Comments
(G) Final Shut-In	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2135</u>	<input type="checkbox"/> Straddle	
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Extra Packer	<input checked="" type="checkbox"/> Ruined Packer <u>320</u>
Initial Open <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
Final Flow <u>10</u>	<input type="checkbox"/> Accessibility	Total <u>2053.10</u>
Final Shut-In <u>PULL</u>	Sub Total <u>1733.10</u>	MP/DST Disc't

Approved By \_\_\_\_\_ Our Representative [Signature]  
 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.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **55607**

Well Name & No. Jenetta #2-14 Test No. 2 Date 11/16/13  
 Company American Warrior, Inc Elevation 2394 KB 2383 GL  
 Address PO Box 399 Garden City, Ks 67846  
 Co. Rep / Geo. Jason Alm Rig Duke #5  
 Location: Sec. 14 Twp. 19S Rge. 25W Co. Ness State Ks

Interval Tested 4425 4435 Zone Tested Mississippian  
 Anchor Length 10 Drill Pipe Run 4173 Mud Wt. 9.4  
 Top Packer Depth 4420 Drill Collars Run 250 Vis 62  
 Bottom Packer Depth 4425 Wt. Pipe Run 0 WL 10.4  
 Total Depth 4435 Chlorides 6800 ppm System LCM 1st

Blow Description IF: BOB @ 8 min  
ISI: ~~No~~ Surface Return.  
FF: BOB @ 13 min.  
FSI: Surface return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>570</u>	<u>GSMCO</u>	<u>20</u>	<u>78</u>	<u>2</u>	
<u>60</u>	<u>G MCO</u>	<u>20</u>	<u>50</u>	<u>30</u>	
	<u>180' GIP</u>				

Rec Total 630 BHT 131 Gravity 37 API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic <u>2267</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1430</u>
(B) First Initial Flow <u>35</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1526</u>
(C) First Final Flow <u>153</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1729</u>
(D) Initial Shut-In <u>1196</u>	<input checked="" type="checkbox"/> Circ Sub <u>1/2</u>	T-Pulled <u>2029</u>
(E) Second Initial Flow <u>162</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2345</u>
(F) Second Final Flow <u>245</u>	<input checked="" type="checkbox"/> Mileage <u>102 RT 158.10</u>	Comments
(G) Final Shut-In <u>1141</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2203</u>	<input type="checkbox"/> Straddle	

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
	<input type="checkbox"/> Day Standby	Total <u>1733.10</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1733.10</u>	

Approved By \_\_\_\_\_ Our Representative [Signature]

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.