



KANSAS CORPORATION COMMISSION 1091587  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 4058  
Name: American Warrior, Inc.  
Address 1: 3118 Cummings Rd  
Address 2: PO BOX 399  
City: GARDEN CITY State: KS Zip: 67846 +  
Contact Person: Joe Smith  
Phone: ( 620 ) 275-2963  
CONTRACTOR: License # 5929  
Name: Duke Drilling Co., Inc.  
Wellsite Geologist: Kevin Timson  
Purchaser:

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  WSW  SWD  SIOW  
 Gas  D&A  ENHR  SIGW  
 OG  GSW  Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic  Other (Core, Expl., etc.):

If Workover/Re-entry: Old Well Info as follows:  
Operator:  
Well Name:

Original Comp. Date: Original Total Depth:  
 Deepening  Re-perf.  Conv. to ENHR  Conv. to SWD  
 Conv. to GSW  
 Plug Back: Plug Back Total Depth  
 Commingled Permit #:  
 Dual Completion Permit #:  
 SWD Permit #:  
 ENHR Permit #:  
 GSW Permit #:

08/01/2012	08/08/2012	08/08/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-083-21824-00-00  
Spot Description:  
SW SE NE NE Sec. 23 Twp. 21 S. R. 23  East  West  
1066 Feet from  North /  South Line of Section  
337 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Hodgeman  
Lease Name: L & S Well #: 1-23  
Field Name:  
Producing Formation: None  
Elevation: Ground: 2357 Kelly Bushing: 2367  
Total Depth: 4575 Plug Back Total Depth:  
Amount of Surface Pipe Set and Cemented at: 266 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: Feet  
If Alternate II completion, cement circulated from:  
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)  
Chloride content: 14000 ppm Fluid volume: 45 bbls  
Dewatering method used: Evaporated  
Location of fluid disposal if hauled offsite:  
Operator Name:  
Lease Name: License #:  
Quarter Sec. Twp. S. R.  East  West  
County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Letter of Confidentiality Received  
Date:  
 Confidential Release Date:  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanne Garrison Date: 08/24/2012



1091587

Operator Name: American Warrior, Inc. Lease Name: L & S Well #: 1-23  
 Sec. 23 Twp. 21 S. R. 23  East  West County: Hodgeman

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name Attached	Top Attached	Datum Attached
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

**CASING RECORD**  New  Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.250	8.625	24	266	Class A	160	3%CC,2%gel

**ADDITIONAL CEMENTING / SQUEEZE RECORD**

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	L & S 1-23
Doc ID	1091587

Tops

Anhy	1555	+812
B/Anhy	1591	+776
Heebner	3860'	-1493
Lansing	3918	-1551
Stark	4169	-1802
B/KC	4256	-1889
Pawnee	4368	-2001
Ft.Scott	4441'	-2074
Mississippian	4542'	-2175

L S 1-23

# ALLIED OIL & GAS SERVICES, LLC 053763

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Leaswell

DATE <u>6-1-12</u>	SEC <u>23</u>	TWP <u>21S</u>	RANGE <u>23W</u>	CALLED OUT	ON LOCATION <u>10:00am</u>	JOB START <u>10:30</u>	JOB FINISH <u>11:00</u>
LEASE <u>Leas</u>	WELL # <u>1-23</u>	LOCATION <u>Testmoreys 9N 5E Shaw</u>			COUNTY <u>Harper</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)				10		11.45	

CONTRACTOR Duke Drilling Inc #9 OWNER \_\_\_\_\_

TYPE OF JOB Surface

HOLE SIZE 12 1/4 I.D.

CASING SIZE 6 5/8 DEPTH 266

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 1 1/2 DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSO. 15 fr

PERFS. \_\_\_\_\_

DISPLACEMENT 15.98 bbls Freshwater

EQUIPMENT

CEMENT AMOUNT ORDERED <u>160 SKS Class A 37cc</u>		
<u>2.19 gal</u>		
COMMON <u>160</u>	@ <u>16.25</u>	<u>2600.00</u>
POZMIX _____	@ _____	_____
GEL <u>3</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE <u>10</u>	@ <u>52.20</u>	<u>522.00</u>
ASC _____	@ _____	_____
HANDLING <u>173.01 #3</u>	@ <u>2.10</u>	<u>363.32</u>
MILEAGE <u>7.9 x 2.2 x</u>	<u>2.35</u>	<u>408.43</u>
<u>173.80</u>		TOTAL <u>3,784.70</u>

PUMP TRUCK CEMENTER Chaspa 1

# 398 HELPER John 1

BULK TRUCK # 341 DRIVER Kevin TWS

BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

Break circulation in the Big Bend

Run 5 bbls Freshwater

with 160 SKS Class A 37cc 27 gal

Displace 15.98 bbls Freshwater

Shut in

Leaswell circulation

plug down 11500

Big Bend

CHARGE TO: Amerson Wm

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB <u>266</u>		
PUMP TRUCK CHARGE _____		<u>1125.00</u>
EXTRA FOOTAGE _____	@ _____	_____
MILBAGE <u>HVM 22</u>	@ <u>7.00</u>	<u>154.00</u>
MANIFOLD _____	@ _____	_____
<u>LVM 22</u>	@ <u>4.00</u>	<u>88.00</u>
TOTAL		<u>4,367.00</u>

PLUG & FLOAT EQUIPMENT

_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
TOTAL		_____

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME X Eugenie Rojas

SIGNATURE X Eugenie Rojas

Thank You!!

SALES TAX (if Any) 224.46

TOTAL CHARGES 5,151.70

DISCOUNT 25% 1,287.93 IF PAID IN 30 DAYS

\$ 3863.77



# **Geological Report**

**American Warrior, Inc.**

**L & S #1-23**

**1066' FNL & 337' FEL**

**Sec. 23, T21s, R23w**

**Hodgeman County, Kansas**



**American Warrior, Inc.**

### General Data

Well Data: American Warrior, Inc.  
L & S # 1-23  
1066' FNL & 337' FEL  
Sec. 23, T21s, R23w  
Hodgeman County, Kansas  
API # 15-083-21821-00-00

Drilling Contractor: Duke Drilling Co. Rig #9

Geologist: Jason Alm, Kevin Timson

Spud Date: August 2, 2012

Completion Date: August 9, 2012

Elevation 2354' G.L.  
2367' K.B.

Directions: From Jetmore KS, go 9.1 mi North on Hwy 283,  
now go 5 mi East on V Rd, .2 mi South on 223 Rd,  
West 337' into location.

Casing: #24 8 5/8" surface casing @ 226

Samples: 3900' to RTD

Drilling Time: 3800' to RTD

Electric Logs: None

Drillstem Tests: Two, Trilobite Testing, Inc. "Bradley Walter"

Problems: None

Remarks: None

## Formation Tops

<b>Formation</b>	<b>American Warrior, Inc.</b>
	<b>L &amp; S #1-23</b>
	<b>Sec. 23, T21s, R23w</b>
	<b>1066' FNL &amp; 337' FEL</b>
Anhydrite	1555' +812
Base	1591' +776
Heebner	3860' -1493
Lansing	3918' -1551
Stark	4169' -1802
BKC	4256' -1889
Marmaton	4280' -1913
Pawnee	4368' -2001
Fort Scott	4441' -2074
Cherokee	4466' -2099
Mississippian	4542' -2175
Osage	4566' -2199
RTD	4575' -2208

## Sample Zone Descriptions

- Mississippian Warsaw (4542' -2175):**      Covered in DST #1  
Dolomite - Grey, Fine to medium grain, poor to fair vuggy porosity, good to fair stain, fair odor, slight show of free oil
- Mississippian Osage (4566' -2199):**      Covered in DST #2  
Chert - tripolitic, weathered, pin point vuggy porosity, light to fair stain, no show of free oil, fair to good odor.  
Dolomite - tan, fine crystalline, pin point vuggy porosity.



**Drill Stem Tests**  
Trilobite Testing Inc.  
"Bradley Walter"

**DST #1**

**Mississippian Warsaw**

Interval (4550' - 4560') Anchor Length 10'

IHP - 2275#

IFP - 30" - Surface blow died at 15 min - flush no blow 22-26#

ISI - 30" - None 858#

FFP - 10" - No blow - flush tool - no blow - pull tool 24-28#

FSIP - NA

FHP - 2249#

BHT - 121° F

Recovery: 5' mud (oil spots)

**DST #2**

**Mississippian Osage**

Interval (4560' - 4575') Anchor Length 15'

IHP - 2227#

IFP - 30" - BOB at 11" 32-188 #

ISI - 45" - No Return 1394 #

FFP - 30" - BOB at 15" 191-293 #

FSIP - 45" - No Return 1388 #

FHP - 2166 #

BHT - 131° F

Recovery: 600' SMCW (oil spots on top)

## Structural Comparison

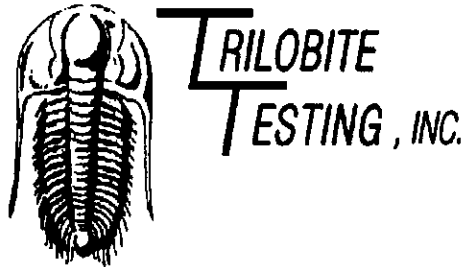
Formation	American Warrior, Inc. L. & S #1-23 Sec. 23, T21s, R23w 1066' FNL & 337' FEL	John J. Darrah & Viking Res. Rasmussen # 1 Sec. 24, T21s, R23w 4290' FSL & 4290' FEL	
Anhydrite	1555' +812	NA	NA
Base	1591' +776	NA	NA
Heebner	3860' -1493	3837' -1492	-1
Lansing	3918' -1551	3890' -1545	-6
Stark	4169' -1802	4142' -1797	-5
BKC	4256' -1889	4222' -1877	-12
Marmaton	4280' -1913	4252' -1907	-6
Pawnee	4368' -2001	4342' -1997	-4
Fort Scott	4441' -2074	4409' -2064	-10
Cherokee	4466' -2099	4436' -2091	-8
Mississippian	4542' -2175	4520' -2175	-
Osage	4566' -2199	4530' -2185	-14

## Summary

The location for the L & S #1-23 well was found via 3-D seismic survey. The new well ran structurally low to the highest producer. Two drill stem tests were conducted which were both negative. After all gathered data had been examined the decision was made to plug and abandon the L & S #1-23 well.

Respectfully Submitted,

Kevin Timson  
American Warrior, Inc.



## DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc**

PO Box 399  
Garden City, KS 67846

ATTN: Jason Alm

**L&S #1-23**

**23-21s-23w Hodgeman,KS**

Start Date: 2012.08.07 @ 04:28:00

End Date: 2012.08.07 @ 10:31:15

Job Ticket #: 48426                      DST #: 1

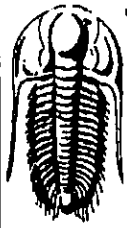
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.08.10 @ 15:32:21

American Warrior, Inc    23-21s-23w Hodgeman,KS    L&S #1-23    DST # 1    Mississipiplan    2012.08.07



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

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

**23-21s-23w Hodgeman, KS**

**L&S #1-23**

Job Ticket: 48426

**DST#: 1**

Test Start: 2012.08.07 @ 04:28:00

### GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 07:12:00

Time Test Ended: 10:31:15

Test Type: **Conventional Bottom Hole (Initial)**

Tester: **Bradley Walter**

Unit No: **53**

Interval: **4550.00 ft (KB) To 4560.00 ft (KB) (TVD)**

Total Depth: **4560.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2367.00 ft (KB)**

**2354.00 ft (CF)**

KB to GR/CF: **13.00 ft**

**Serial #: 8677**

**Inside**

Press@RunDepth: **26.39 psig @ 4551.00 ft (KB)**

Start Date: **2012.08.07**

End Date: **2012.08.07**

Capacity: **8000.00 psig**

Last Calib.: **2012.08.07**

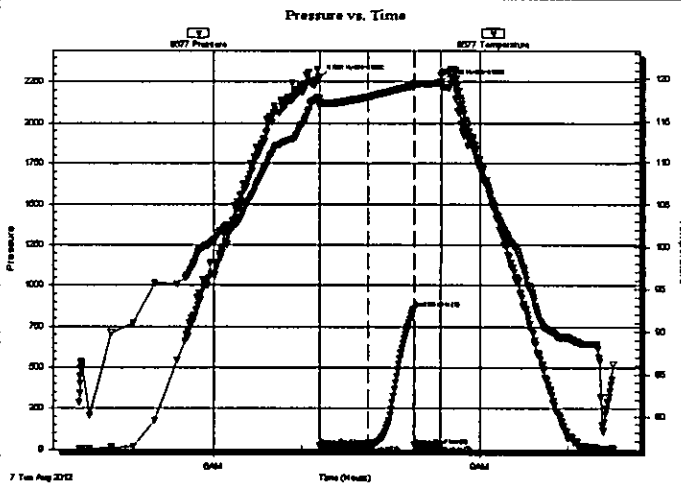
Start Time: **04:28:05**

End Time: **10:31:14**

Time On Btm: **2012.08.07 @ 07:11:45**

Time Off Btm: **2012.08.07 @ 08:33:45**

**TEST COMMENT:** IF: Surface blow, died @ 15 min, Flushed tool-no blow.  
IS: No return.  
FF: No blow, Flushed tool - No blow. Pulled test.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2274.84	117.66	Initial Hydro-static
1	22.38	116.70	Open To Flow (1)
33	26.39	117.82	Shut-In(1)
64	858.22	119.11	End Shut-In(1)
64	23.69	118.94	Open To Flow (2)
82	27.99	119.49	Shut-In(2)
82	2249.28	120.39	Final Hydro-static

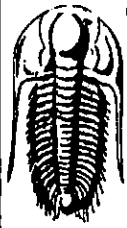
### Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud (oil spots)	0.02

### Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc

**23-21s-23w Hodgeman,KS**

PO Box 399  
Garden City, KS 67846

**L&S #1-23**

Job Ticket: 48426

**DST#: 1**

ATTN: Jason Alm

Test Start: 2012.08.07 @ 04:28:00

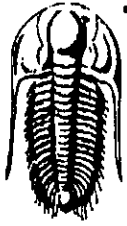
### Tool Information

Drill Pipe:	Length: 4359.00 ft	Diameter: 3.80 inches	Volume: 61.15 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: 188.00 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 62.07 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4550.00 ft			Final 76000.00 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	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4524.00	
Shut In Tool	5.00			4529.00	
Hydraulic tool	5.00			4534.00	
Jars	5.00			4539.00	
Safety Joint	2.00			4541.00	
Packer	5.00			4546.00	27.00 Bottom Of Top Packer
Packer	4.00			4550.00	
Stubb	1.00			4551.00	
Recorder	0.00	8677	Inside	4551.00	
Recorder	0.00	8522	Outside	4551.00	
Perforations	6.00			4557.00	
Bullnose	3.00			4560.00	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

**23-21s-23w Hodgeman, KS**  
**L&S #1-23**  
Job Ticket: 48426      **DST#: 1**  
Test Start: 2012.08.07 @ 04:28:00

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5500.00 ppm			
Filter Cake: 1.00 inches			

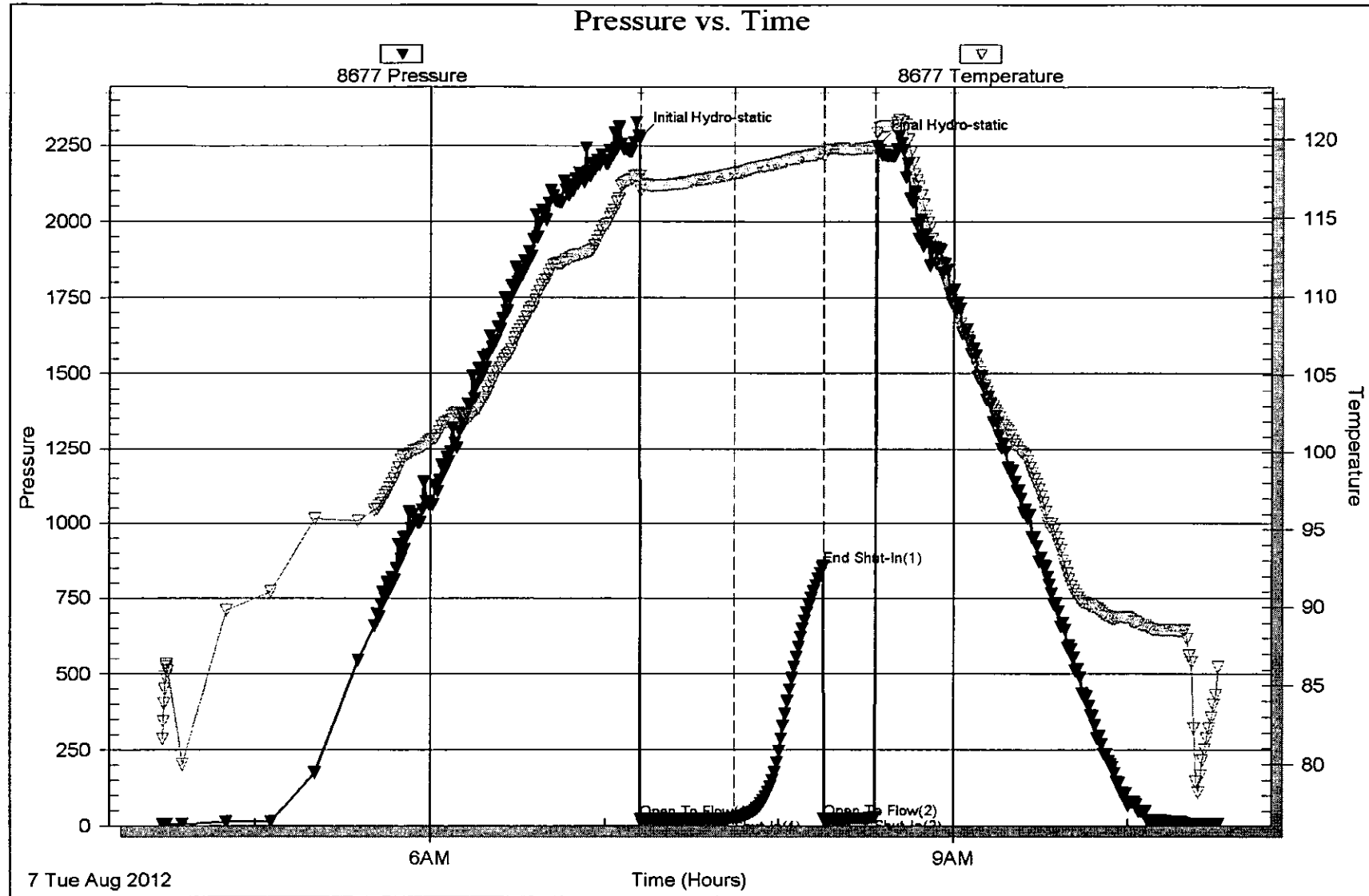
**Recovery Information**

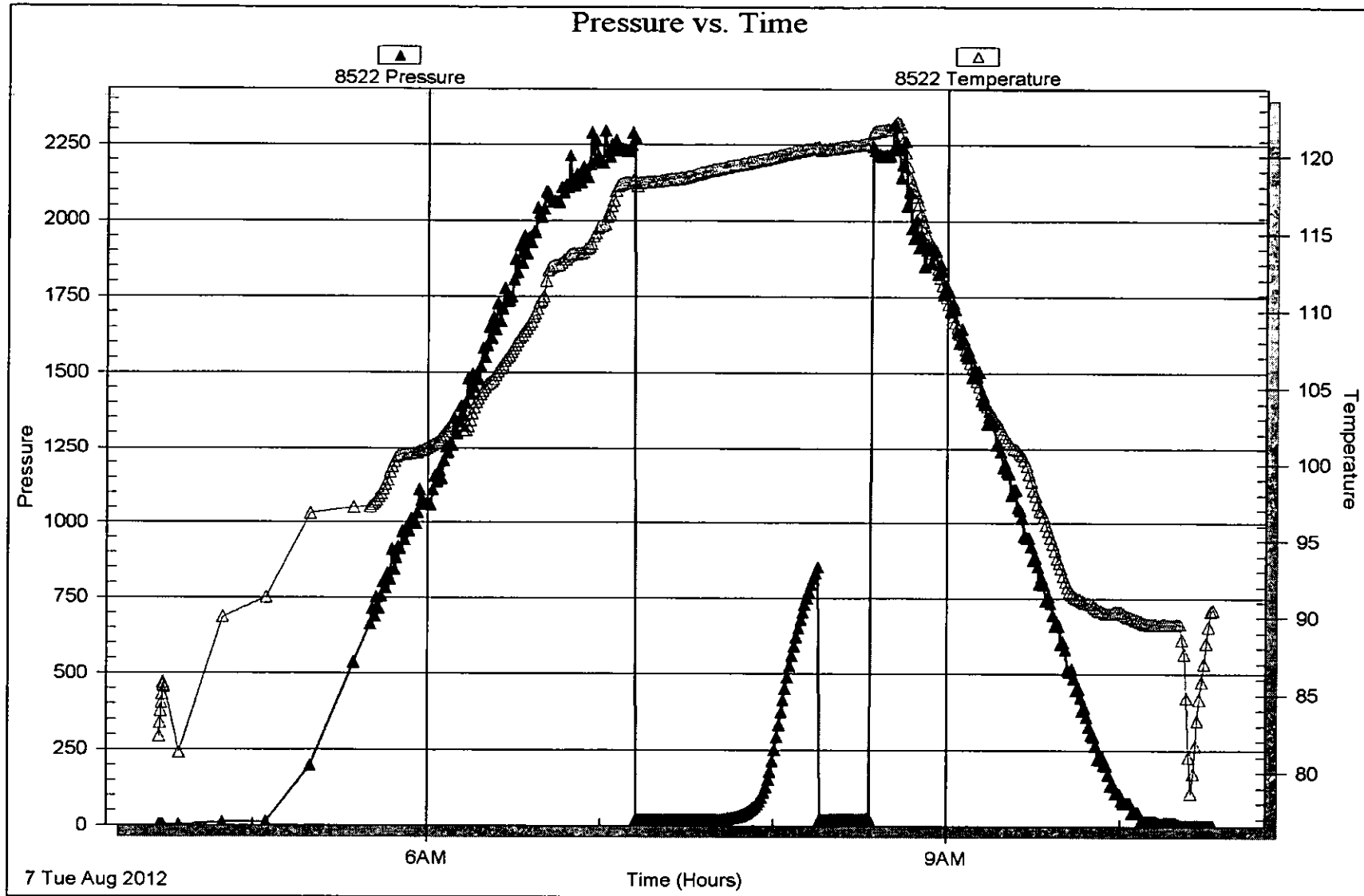
Recovery Table

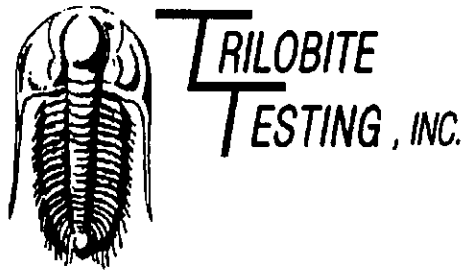
Length ft	Description	Volume bbl
5.00	mud (oil spots)	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:









## DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc**

PO Box 399  
Garden City, KS 67846

ATTN: Jason Alm

**L&S #1-23**

**23-21s-23w Hodgeman,KS**

Start Date: 2012.08.07 @ 18:09:00

End Date: 2012.08.08 @ 01:19:30

Job Ticket #: 48427                      DST #: 2

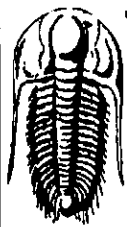
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.08.10 @ 15:31:36

American Warrior, Inc    23-21s-23w Hodgeman,KS    L&S #1-23    DST # 2    Osage    2012.08.07



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

American Warrior, Inc

23-21s-23w Hodgeman, KS

PO Box 399  
Garden City, KS 67846

L&S #1-23

Job Ticket: 48427

DST#: 2

ATTN: Jason Alm

Test Start: 2012.08.07 @ 18:09:00

### GENERAL INFORMATION:

Formation: **Osage**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:23:30

Time Test Ended: 01:19:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 53

Interval: **4550.00 ft (KB) To 4575.00 ft (KB) (TVD)**

Total Depth: 4575.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2367.00 ft (KB)

2354.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8677

Inside

Press@RunDepth: 292.98 psig @ 4561.00 ft (KB)

Start Date: 2012.08.07

End Date: 2012.08.08

Capacity: 8000.00 psig

Last Calib.: 2012.08.08

Start Time: 18:09:05

End Time: 01:19:29

Time On Btrr: 2012.08.07 @ 20:23:15

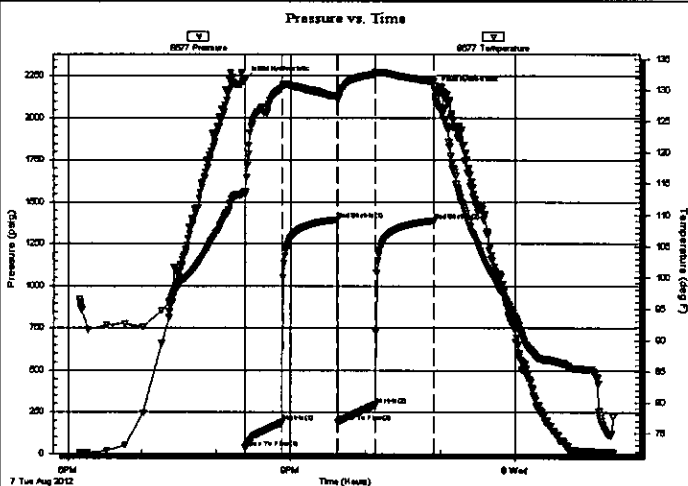
Time Off Btrr: 2012.08.07 @ 22:55:00

TEST COMMENT: IF: BOB @ 11 min.

ISI: No return.

FF: BOB @ 15 min.

FSI: No return.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2227.28	113.69	Initial Hydro-static
1	31.51	113.22	Open To Flow (1)
30	187.58	130.36	Shut-in(1)
74	1393.97	128.93	End Shut-in(1)
75	190.60	128.42	Open To Flow (2)
105	292.98	132.59	Shut-in(2)
152	1387.74	131.43	End Shut-in(2)
152	2165.52	130.57	Final Hydro-static

### Recovery

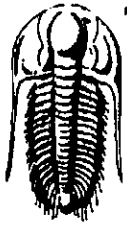
Length (ft)	Description	Volume (bbl)
600.00	smcw 2m 98w (oil spots on top)	6.70

\* 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

**23-21s-23w Hodgeman,KS**

PO Box 399  
Garden City, KS 67846

**L&S #1-23**

Job Ticket: 48427

**DST#: 2**

ATTN: Jason Alm

Test Start: 2012.08.07 @ 18:09:00

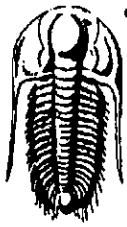
### Tool Information

Drill Pipe:	Length: 4359.00 ft	Diameter: 3.80 inches	Volume: 61.15 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: 188.00 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose: 90000,00 lb
			<u>Total Volume: 62.07 bbl</u>	Tool Chased 0,00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 76000,00 lb
Depth to Top Packer:	4560.00 ft			Final 78000,00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	42.00 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			4534.00	
Shut In Tool	5.00			4539.00	
Hydraulic tool	5.00			4544.00	
Jars	5.00			4549.00	
Safety Joint	2.00			4551.00	
Packer	5.00			4556.00	27.00 Bottom Of Top Packer
Packer	4.00			4560.00	
Stubb	1.00			4561.00	
Recorder	0.00	8677	Inside	4561.00	
Recorder	0.00	8522	Outside	4561.00	
Perforations	11.00			4572.00	
Bullnose	3.00			4575.00	15.00 Bottom Packers & Anchor

**Total Tool Length: 42.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**23-21s-23w Hodgeman,KS**  
**L&S #1-23**  
Job Ticket: 48427      **DST#: 2**  
Test Start: 2012.08.07 @ 18:09:00

### Mud and Cushion Information

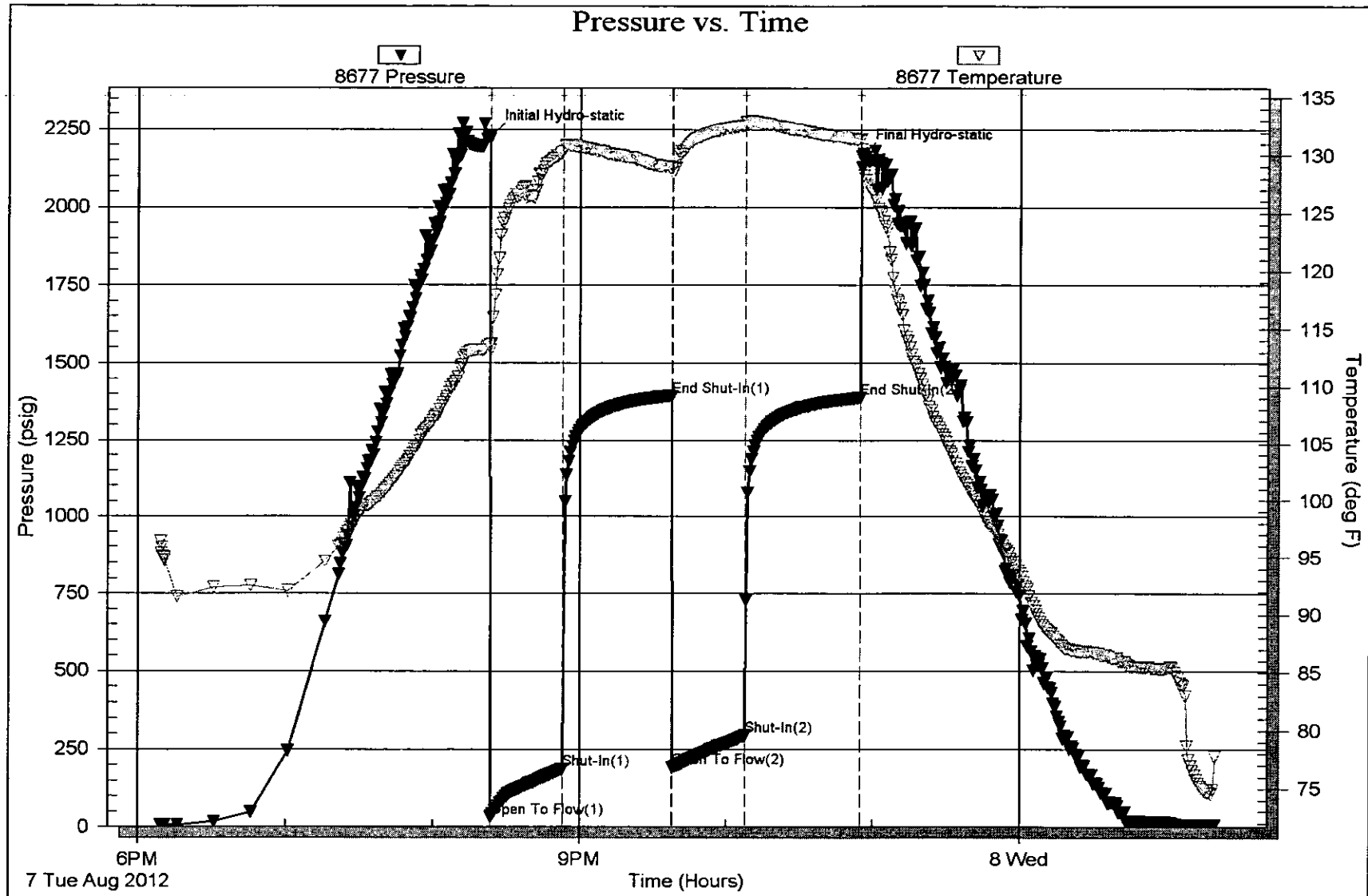
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	21000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 14.38 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5500.00 ppm			
Filter Cake: 2.00 inches			

### Recovery Information

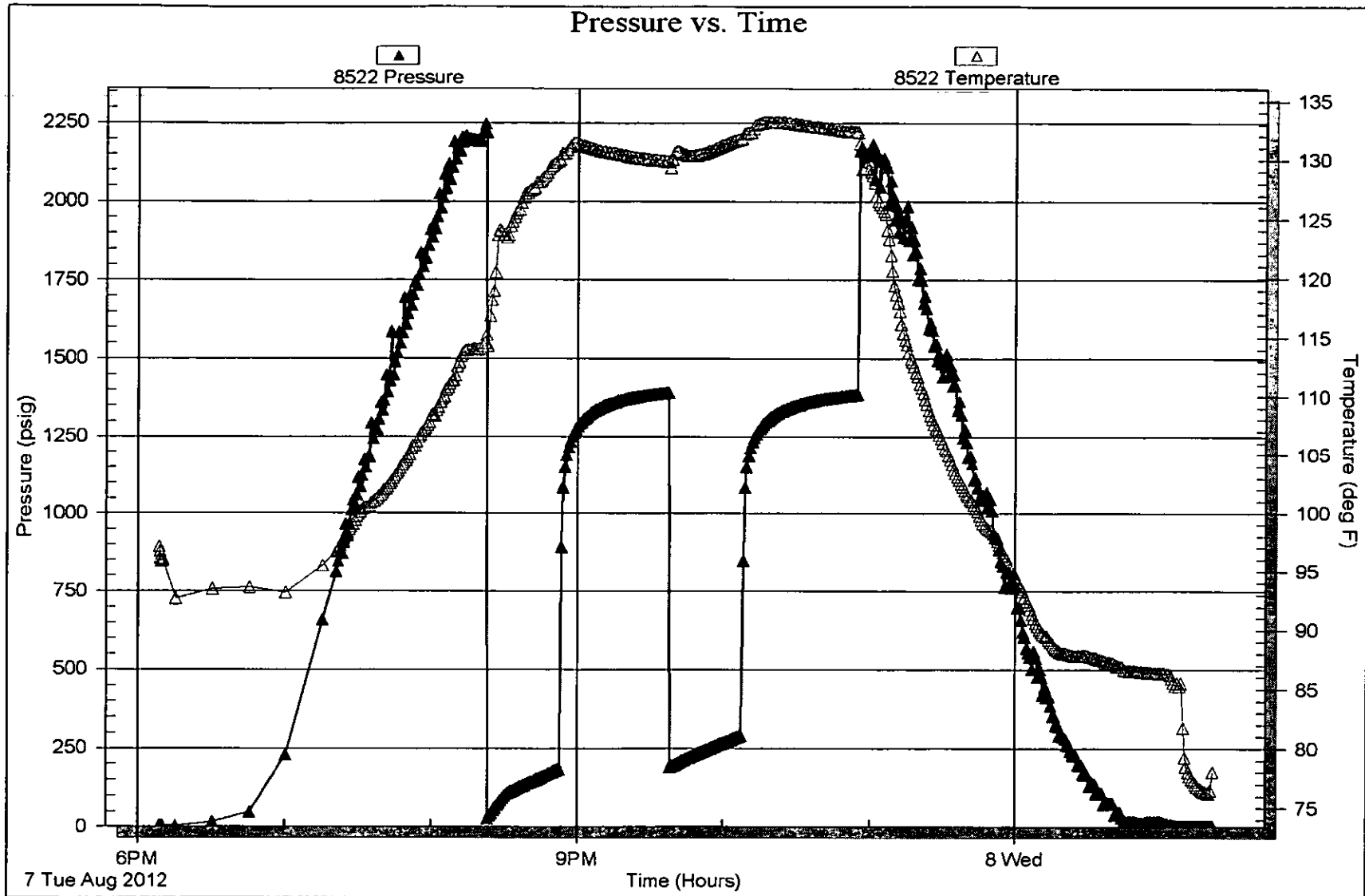
Recovery Table

Length ft	Description	Volume bbl
600.00	smcw 2m 98w (oil spots on top)	6.704

Total Length: 600.00 ft      Total Volume: 6.704 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: rw is .301 @ 73F = 21000ppm









# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 48426

Well Name & No. X<sup>n</sup> LES #1-23 Test No. 1 Date 8/7/12  
 Company American Warrior, Inc Elevation 2367 KB 2354 GL  
 Address 3118 Cummins Rd Garden City, Mo 67846  
 Co. Rep / Geo. Jason Alm Rig Duke #9  
 Location: Sec. 23 Twp. 21S Rge. 23W Co. Hodgeman State Ks

Interval Tested 4550 Zone Tested Mississippian  
 Anchor Length 4560 Drill Pipe Run 4359 Mud Wt. 9.3  
 Top Packer Depth 4345 Drill Collars Run 188 Vis 50  
 Bottom Packer Depth 4550 Wt. Pipe Run 8 WL 11.2  
 Total Depth 4560 Chlorides 5500 ppm System LCM Ø

Blow Description IF: Surface blow, died @ 15 min. Flushed tool - no hole  
ISS: No return.  
FF: No blow - Flushed tool - No blow - Pulled test

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>MUD (OIL SPOTS)</u>			<u>100</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 5 BHT 121 Gravity - API RW - @ - °F Chlorides - ppm

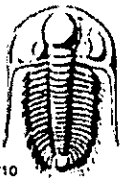
(A) Initial Hydrostatic 2275  Test 0400 T-On Location  
 (B) First Initial Flow 22  Jars 250 T-Started 0526  
 (C) First Final Flow 26  Safety Joint 75 T-Open 0713  
 (D) Initial Shut-In 858  Circ Sub/L 0830 T-Pulled  
 (E) Second Initial Flow 24  Hourly Standby 1031 T-Out  
 (F) Second Final Flow 28  Mileage 150 4T 232.50  
 (G) Final Shut-In -  Sampler  
 (H) Final Hydrostatic 2249  Straddle  
 Shale Packer  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 10 flush 0.11  
 Final Shut-In -

Sub Total 1807.50

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 sustained 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.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 48421

Well Name & No. LES #1-23 Test No. 2 Date 8/8/12  
 Company AMERICAN WARRIOR, Inc Elevation 23 KB \_\_\_\_\_ GL \_\_\_\_\_  
 Address 3118 Cummings Rd Wichita, KS 67246 Garden city, Ks 67846  
 Co. Rep / Geo. Jason Alm Rig Duke #9  
 Location: Sec. 23 Twp. 21S Rge. 23W Co. Hodgeman State Ks

Interval Tested 4560 - 4575 Zone Tested Osage  
 Anchor Length 15' Drill Pipe Run 4359 Mud Wt. 9.3  
 Top Packer Depth 4555 Drill Collars Run 198 Vis 48  
 Bottom Packer Depth 4560 Wt. Pipe Run 0 WL 14.4  
 Total Depth 4575 Chlorides 5500 ppm System LCM 0

Blow Description IP: BOB @ 11 min.  
IST: No return  
FF: BOB @ 15 min.  
FSI: No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>600</u>	<u>S.M.C.W</u>			<u>98%</u>	<u>2%</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 600 BHT 131 Gravity — API RW 130 @ 73 °F Chlorides 21000 ppm

(A) Initial Hydrostatic 2227  Test \_\_\_\_\_ T-On Location 1800  
 (B) First Initial Flow 32  Jars 250 T-Started 1809  
 (C) First Final Flow 188  Safety Joint 75 T-Open 2024  
 (D) Initial Shut-In 1394  Circ Sub N/C T-Pulled 2250  
 (E) Second Initial Flow 191  Hourly Standby \_\_\_\_\_ T-Out 0120  
 (F) Second Final Flow 293  Mileage 150 RT 232.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 1388  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2166  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_

Initial Open 30  Extra Packer \_\_\_\_\_  
 Initial Shut-In 45  Extra Recorder \_\_\_\_\_  
 Final Flow 30  Day Standby \_\_\_\_\_  
 Final Shut-In 45  Accessibility \_\_\_\_\_  
 Sub Total 1807.50

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.