

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

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: P.O. Box 399  
Address 2: \_\_\_\_\_  
City: Garden City State: Ks. Zip: 67846 + \_\_\_\_\_  
Contact Person: Jody Smith  
Phone: ( 620 ) 275-2963  
CONTRACTOR: License # 5929  
Name: Duke Drilling Co.Inc.  
Wellsite Geologist: Harley Sayles  
Purchaser: \_\_\_\_\_

**RECEIVED**

**APR 13 2012**

**KCC WICHITA**

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SLOW
- 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 #: \_\_\_\_\_  
3/29/12      4/5/12      4/6/12  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date           Recompletion Date

API No. 15 - 083-21767-0000

Spot Description: \_\_\_\_\_  
SW\_NE\_NE\_NE Sec. 9 Twp. 23 S. R. 22  East  West  
335 Feet from  North /  South Line of Section  
335 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Hodgeman  
Lease Name: Housman Well #: 1-X  
Field Name: Hanston-Oppy Southeast

Producing Formation: \_\_\_\_\_  
Elevation: Ground: 2197' Kelly Bushing: 2208  
Total Depth: 4500 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 1289' 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: 14,000 ppm Fluid volume: 80 bbls  
Dewatering method used: Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**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.

Signature: \_\_\_\_\_  
Title: Foreman Date: 4/11/12

**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: Dlg Date: 4/24/12

Operator Name: American Warrior Inc. Lease Name: Housman Well #: 1-8  
 Sec. 9 Twp. 23 S. R. 22  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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Dual Induction, Micro, Porosity and Sonic.</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhy</td> <td>1316'</td> <td>+892</td> </tr> <tr> <td>B/Anhy</td> <td>1348'</td> <td>+860</td> </tr> <tr> <td>Heebner</td> <td>3753'</td> <td>-1545</td> </tr> <tr> <td>Lansing</td> <td>3821'</td> <td>-1613</td> </tr> <tr> <td>B/KC</td> <td>4180'</td> <td>-1972</td> </tr> <tr> <td>Marmaton</td> <td>4201'</td> <td>-1993</td> </tr> <tr> <td>Mississippian</td> <td>4434'</td> <td>-2226</td> </tr> </table>	Name	Top	Datum	Anhy	1316'	+892	B/Anhy	1348'	+860	Heebner	3753'	-1545	Lansing	3821'	-1613	B/KC	4180'	-1972	Marmaton	4201'	-1993	Mississippian	4434'	-2226
Name	Top	Datum																							
Anhy	1316'	+892																							
B/Anhy	1348'	+860																							
Heebner	3753'	-1545																							
Lansing	3821'	-1613																							
B/KC	4180'	-1972																							
Marmaton	4201'	-1993																							
Mississippian	4434'	-2226																							

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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	121/4	85/8	24#	1289'	Class A & Lite	200&450	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input 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
		<b>RECEIVED</b>  <b>APR 13 2012</b>  <b>KCC WICHITA</b>	

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. _____	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <b>D&amp;A</b>
---	---	--

# ALLIED OIL & GAS SERVICES, LLC 053504

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

SERVICE POINT:  
Gregg, KS

DATE <u>2-30-12</u>	SEC <u>9</u>	TWP. <u>27s</u>	RANGE <u>22w</u>	CALLED OUT	ON LOCATION	JOB START <u>4:45 pm</u>	JOB FINISH <u>5:45 pm</u>
LEASE <u>Hoasman</u>		WELL # <u>1</u>	LOCATION <u>Henston, KS 3500th</u>		COUNTY	STATE	
OLD OR NEW (Circle one)			<u>West south into</u>				

CONTRACTOR Duke-H  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 1289  
 CASING SIZE 8 3/4 23rd DEPTH 1289  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 44.42  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 79.28

**EQUIPMENT**

PUMP TRUCK # <u>262</u>	CEMENTER <u>Gregg</u>
BULK TRUCK # <u>344/1170</u>	HELPER <u>Shane</u>
BULK TRUCK # <u>412/188</u>	DRIVER <u>Kevin W</u>
	DRIVER <u>Kevin</u>

**REMARKS:**

See  
Job  
Log

CHARGE TO: American Warrior  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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 / - R, KTH III - U.E  
 SIGNATURE X / [Signature]

Thank You!

OWNER American Warrior

CEMENT AMOUNT ORDERED 450 yds 65/25 6% gel  
2% cc 1/4 fl. - 200 yds  
Clear 3% cc 2% gel

COMMON	@	_____
POZMIX	@	_____
GEL	@	_____
CHLORIDE	@	_____
ASC	@	_____
	@	_____
	@	_____
	@	_____
	@	_____
	@	_____
	@	_____
	@	_____
HANDLING	@	_____
MILEAGE	@	_____
TOTAL		_____

**SERVICE**

DEPTH OF JOB \_\_\_\_\_  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE @ \_\_\_\_\_  
 MILEAGE @ APR 13 2012  
 MANIFOLD @ \_\_\_\_\_  
 @ KCC WICHITA

TOTAL \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

<u>8 3/4 insert</u>	@	_____
<u>Rubber Plug</u>	@	_____
	@	_____
	@	_____

TOTAL \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

# ALLIED CEMENTING CO., LLC. 042461

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

SERVICE POINT: Great Bend, KS

DATE <u>4-6-12</u>	SEC. <u>9</u>	TWP. <u>23</u>	RANGE <u>22</u>	CALLED OUT	ON LOCATION	JOB START <u>10:30</u>	JOB FINISH <u>11:30</u>
LEASE <u>Horsman</u>		WELL# <u>1</u>	LOCATION <u>Horsman, KS 45026 1st</u>			COUNTY <u>Hodgeman</u>	STATE <u>Kansas</u>
OLD OR NEW (Circle one) <u>NEW</u>			S. 1070				

CONTRACTOR Duke R. G. S  
 TYPE OF JOB Rotary Plug  
 HOLE SIZE 12 1/4 T.D. 1360  
 CASING SIZE 16 5/8 DEPTH  
 TUBING SIZE DEPTH  
 DRILL PIPE 4 1/2 DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG.  
 PERFS.  
 DISPLACEMENT

OWNER  
 CEMENT  
 AMOUNT ORDERED 190 SKS 60/140 4/1.901  
 COMMON @  
 POZMIX @  
 GEL @  
 CHLORIDE @  
 ASC @  
 HANDLING @  
 MILEAGE  
 TOTAL

**EQUIPMENT**

PUMP TRUCK CEMENTER Passin C  
 # 398 HELPER Kevin F  
 BULK TRUCK  
 # DRIVER  
 BULK TRUCK  
 # DRIVER

**REMARKS:**

Fill Hole with Big Mad  
1st plug 1380 FT 20 SKS  
2nd plug 1300 FT 60 SKS  
3rd plug 500 FT 50 SKS  
4th plug 60 FT 20 SKS  
RH 30 SKS  
MH 20 SKS  
plug down 11:30 AM

CHARGE TO: American Warriner  
 STREET  
 CITY STATE ZIP

**SERVICE**

DEPTH OF JOB  
 PUMP TRUCK CHARGE  
 EXTRA FOOTAGE @  
 MILEAGE @  
 MANIFOLD @  
 TOTAL

**PLUG & FLOAT EQUIPMENT**

@  
 @  
 @  
 @  
 @  
 TOTAL

To Allied Cementing Co., 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 KENNETH M GIVRE  
 SIGNATURE X Kenneth M Givre

SALES TAX (If Any)  
 TOTAL CHARGES  
 DISCOUNT IF PAID IN 30 DAYS

Thank You!!

# **Geological Report**

American Warrior Inc.

**Housman #1-9**

335' FNL & 335' FEL

Sec. 9 T23s R22w

Hodgeman County, Kansas



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**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Housman #1-9  
335' FNL & 335' FEL  
Sec. 9 T23s R22w  
Hodgeman County, Kansas  
API # 15-083-21767-0000

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Harley Sayles

Spud Date: March 29, 2012

Completion Date: April 5, 2012

Elevation: 2197' Ground Level  
2208' Kelly Bushing

Directions: Hanston KS, 3.8 mi South on Bazine Rd North to  
228 Rd, then 1.1 mile West on 228 Rd, South into  
location

Casing: 23# 8 5/8" surface casing @ 1289

Samples: 10' wet and dry, 3850' to RTD

Drilling Time: 3800' to RTD

Electric Logs: Dual Induction, Microresistivity, Dual  
Compensated Porosity, Sonic

Drillstem Tests: One, "Andy Carreira"

Problems: None

Remarks: Mississippian Warsaw and Osage barren

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## Formation Tops

Formation	American Warrior, Inc. Housman #1-9 Sec. 9 T23s R22w 335' FNL & 335' FEL
Anhydrite	1316', +892
Base	1348', +860
Heebner	3753', -1545
Lansing	3821', -1613
Stark	4076', -1868
BKc	4180', -1972
Marmaton	4201', -1993
Pawnee	4268', -2060
Fort Scott	4354', -2146
Cherokee	4380', -2172
Mississippian	4434', -2226
Osage	4459', -2251
LTD	4499', -2291

## Sample Zone Descriptions

<b>Warsaw</b>	<b>(4434', -2226):</b> not tested	Dolo- Off white to light gray, fine to sub crystalline, poor intercrystalline porosity, poor vuggy porosity, dense, very slightly glauconitic, very cherty, fresh to weathered, white, no odor, barren
<b>Osage</b>	<b>(4459', -2251):</b> not tested	Δ-Dolo- Cream to tan to off white, fine crystalline, good intercrystalline porosity, poor vuggy porosity, mostly chert in sample, white to opaque, fresh, no odor, barren
<b>Fort Scott</b>	<b>(4354', -2146):</b> Covered in DST #1	Ls- Cream, fine to sub crystalline, poor intercrystalline and vuggy porosity, slight show of free oil, very weak odor, very dull florescence, partial saturation and stain, 16 units hotwire

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**Drill Stem Tests**  
Trilobite Testing Inc.  
"Andy Carreira"

**DST #1**      **Fort Scott**

Interval (4357' – 4396') Anchor Length 39', tail pipe 103'

IHP    – 2188 #

IFP    – 30" – surface blow died in 3 min

19-25 #

ISI    – 30" – no return

77 #

FFP    – 10" – no blow

26-26 #

FHP    – 2197 #

BHT    – 118 °F

Recovery:    5' SOSGM

**Structural Comparison**

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	American Warrior, Inc. Housman #1-9 Sec. 9 T23s R22w 335' FNL & 335' FEL	Trek Resources, Inc. Delker #1 Sec. 9 T23s R22w 989' FSL & 1237' FEL		Tomlinson Oil Company, Inc. Housman #1 Sec. 9 T23s R22w 867' FNL & 475' FEL	
<b>Formation</b>					
Anhydrite	1316', +892	1317', +893	(-1)	1318', +892	flat
Base	1348', +860	1345', +865	flat	1350', +860	flat
Heebner	3753', -1545	3752', -1542	(-2)	3754', -1544	(-1)
Lansing	3821', -1613	3818', -1608	(-5)	3821', -1611	(-2)
Stark	4076', -1868	4071', -1861	(-7)	4075', -1865	(-3)
BKc	4180', -1972	4173', -1963	(-8)	4183', -1973	(+1)
Marmaton	4201', -1993	4193', -1983	(-10)	4203', -1993	flat
Pawnee	4268', -2060	4267', -2057	(-10)	4270', -2060	flat
Fort Scott	4354', -2146	4348', -2138	(-8)	4354', -2144	(-2)
Cherokee	4380', -2172	4373', -2163	(-9)	4380', -2170	(-2)
Mississippian	4447', -2239	4437', -2227	(-12)	4432', -2222	(-17)
Osage	4459', -2251	4448', -2238	(-13)	4444', -2234	(-17)
LTD	4499', -2291				

### Summary

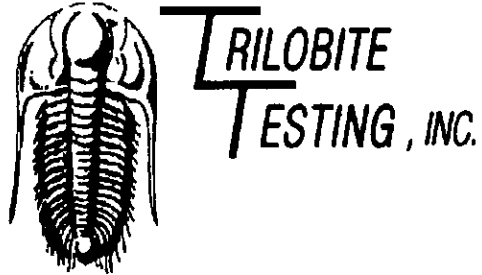
The location for the Housman #1-9 well was found via 3-D seismic survey. The new well ran structurally as expected via the survey. A seismic map was not made of the Mississippian horizon. The one drill stem test was conducted, which was negative. After all gathered data had been examined the decision was made to run plug and abandon the Housman #1-9 well.

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Respectfully Submitted,

Harley K. Sayles  
American Warrior Inc.

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APR 13 2012  
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## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399  
Garden City KS 67846

ATTN: Harley Sayles

**Housman #1-9**

**9-23s-22w Hodgeman,KS**

Start Date: 2012.04.05 @ 16:56:05

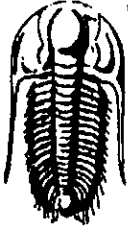
End Date: 2012.04.05 @ 23:10:09

Job Ticket #: 47251                      DST #: 1

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

Printed: 2012.04.11 @ 10:35:00



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

American Warrior Inc.  
PO Box 399  
Garden City KS 67846  
  
ATTN: Harley Sayles

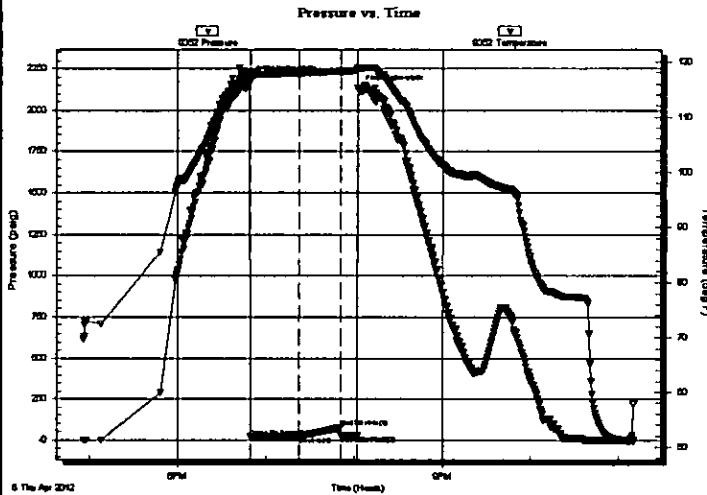
9-23s-22w Hodgeman, KS  
**Housman #1-9**  
Job Ticket: 47251      DST#: 1  
Test Start: 2012.04.05 @ 16:56:05

### GENERAL INFORMATION:

Formation: **Ft. Scott**  
Deviated: **No Whipstock**      ft (KB)  
Time Tool Opened: 18:49:40  
Time Test Ended: 23:10:09  
  
Interval: **4357.00 ft (KB) To 4396.00 ft (KB) (TVD)**  
Total Depth: **4499.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: Fair  
  
Test Type: **Conventional Straddle (Initial)**  
Tester: **Andy Carreira**  
Unit No: **39**  
  
Reference Elevations: **2208.00 ft (KB)**  
**2197.00 ft (CF)**  
KB to GR/CF: **11.00 ft**

**Serial #: 8352**      **Outside**  
Press@RunDepth: **25.89 psig @ 4363.00 ft (KB)**      Capacity: **8000.00 psig**  
Start Date: **2012.04.05**      End Date: **2012.04.05**      Last Calib.: **2012.04.05**  
Start Time: **16:56:05**      End Time: **23:10:10**      Time On Btrr: **2012.04.05 @ 18:48:40**  
Time Off Btrr: **2012.04.05 @ 20:02:40**

**TEST COMMENT:** F:(30min) Blow Died in 3 min.  
IS:(30min) No Return  
FF:(10min) No Blow . Pulled Tool



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2188.94	118.03	Initial Hydro-static
1	19.97	117.60	Open To Flow (1)
34	25.89	117.95	Shut-In(1)
62	77.28	118.27	End Shut-In(1)
63	26.74	118.25	Open To Flow (2)
74	26.51	118.38	Shut-In(2)
75	2128.27	118.80	Final Hydro-static

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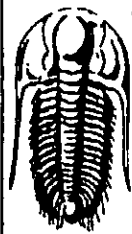
### Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOSGM	0.02

### Gas Rates

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





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior Inc.  
 PO Box 399  
 Garden City KS 67846  
 ATTN: Harley Sayles

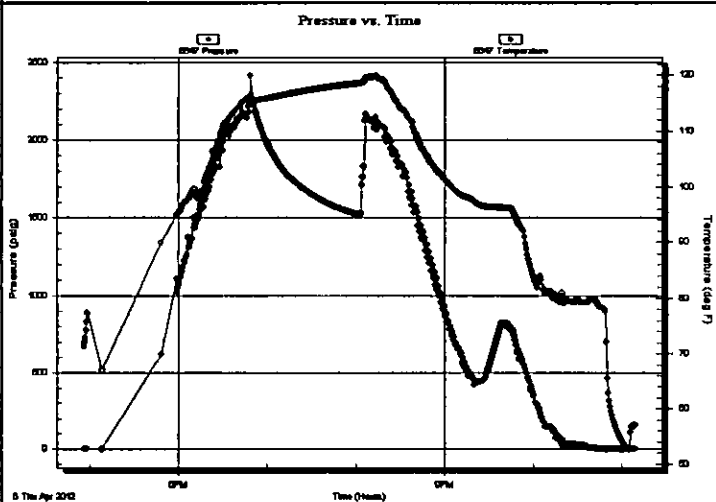
**9-23s-22w Hodgeman,KS**  
**Housman #1-9**  
 Job Ticket: 47251      DST#: 1  
 Test Start: 2012.04.05 @ 16:56:05

## GENERAL INFORMATION:

Formation: Ft. Scott  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:49:40  
 Time Test Ended: 23:10:09  
 Interval: 4357.00 ft (KB) To 4396.00 ft (KB) (TVD)  
 Total Depth: 4499.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Straddle (Initial)  
 Tester: Andy Carreira  
 Unit No: 39  
 Reference Elevations: 2208.00 ft (KB)  
 2197.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8647 Below (Straddle)**  
 Press@RunDepth: psig @ 4404.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2012.04.05      End Date: 2012.04.05      Last Calib.: 2012.04.05  
 Start Time: 16:56:05      End Time: 23:08:50      Time On Btm:  
 Time Off Btm:

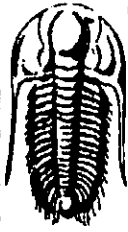
**TEST COMMENT:** IF:(30min) Blow Died in 3 min.  
 IS:(30min) No Return  
 FF:(10min) No Blow. Pulled Tool



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery		
Length (ft)	Description	Volume (bbl)
5.00	SOSGM	0.02

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



**TRILOBITE  
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## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Inc.  
PO Box 399  
Garden City KS 67846  
  
ATTN: Harley Sayles

9-23s-22w Hodgeman, KS  
Housman #1-9  
Job Ticket: 47251      DST#: 1  
Test Start: 2012.04.05 @ 16:56:05

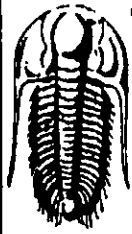
### Tool Information

Drill Pipe:	Length: 4077.00 ft	Diameter: 3.80 inches	Volume: 57.19 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 271.73 ft	Diameter: 2.25 inches	Volume: 1.34 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 58.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.73 ft			String Weight: Initial 85000.00 lb
Depth to Top Packer:	4357.00 ft			Final 85000.00 lb
Depth to Bottom Packer:	4396.00 ft			
Interval between Packers:	39.00 ft			
Tool Length:	175.00 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			4330.00	
Shut In Tool	5.00			4335.00	
Hydraulic tool	5.00			4340.00	
Jars	5.00			4345.00	
Safety Joint	3.00			4348.00	
Packer	5.00			4353.00	28.00      Bottom Of Top Packer
Packer	4.00			4357.00	
Stubb	1.00			4358.00	
Perforations	5.00			4363.00	
Recorder	0.00	8017	Inside	4363.00	
Recorder	0.00	8352	Outside	4363.00	
Perforations	28.00			4391.00	
Blank Off Sub	1.00			4392.00	
Blank Spacing	4.00			4396.00	39.00      Tool Interval
Packer	4.00			4400.00	
Stubb	1.00			4401.00	
Perforations	2.00			4403.00	
Change Over Sub	1.00			4404.00	
Recorder	0.00	8647	Below	4404.00	
Drill Pipe	95.00			4499.00	
Change Over Sub	1.00			4500.00	
Perforations	1.00			4501.00	
Bullnose	3.00			4504.00	108.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>175.00</b>				

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TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

American Warrior Inc.  
PO Box 399  
Garden City KS 67846  
  
ATTN: Harley Sayles

9-23s-22w Hodgeman,KS  
  
Housman #1-9  
Job Ticket: 47251      DST#: 1  
Test Start: 2012.04.05 @ 16:56:05

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7700.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
5.00	SOSGM	0.025

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

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