

**CONFIDENTIAL**

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**

10/28/12

OPERATOR: License # 4058  
Name: American Warrior, Inc  
Address 1: P O Box 399  
Address 2: \_\_\_\_\_  
City: Garden City State: KS Zip: 67846 + \_\_\_\_\_  
Contact Person: Kevin Wiles, Sr  
Phone: (620) 275-2963  
CONTRACTOR: License # 5929  
Name: Duke Drilling Co  
Wellsite Geologist: Jason Alm  
Purchaser: NCRA

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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 #: \_\_\_\_\_  
9/6/10    9/14/10    10/22/10  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 083-21, 670 -0060  
Spot Description: NE-NW-NW-SE  
NE NW NW SE Sec. 18 Twp. 21 S. R. 24  East  West  
2,550 2579 Feet from  North /  South Line of Section  
2,000 2000 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Hodgeman  
Lease Name: Fuller Well #: 1-18  
Field Name: Wildcat  
Producing Formation: Mississippi Osage  
Elevation: Ground: 2323' Kelly Bushing: 2334'  
Total Depth: 4487' Plug Back Total Depth: 4490'  
Amount of Surface Pipe Set and Cemented at: 222 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1563 Feet  
If Alternate II completion, cement circulated from: Surface  
feet depth to: 1563' w/ 160 sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content: 18,500 ppm Fluid volume: 87 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: Jason Alm  
Title: Geologist Date: 10/27/10

**KCC Office Use ONLY**

Letter of Confidentiality Received  
Date: 10/28/10 - 10/28/12  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: NJ Date: 11-5-10

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Operator Name: American Warrior, Inc Lease Name: Fuller Well #: 1-18  
 Sec. 18 Twp. 21 S. R. 24  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 type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>GRNL</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:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Stone Corral</td> <td>1574'</td> <td>+781</td> </tr> <tr> <td>Base Stone Corral</td> <td>1608'</td> <td>+747</td> </tr> <tr> <td>Heebner</td> <td>3783'</td> <td>-1428</td> </tr> <tr> <td>Lansing</td> <td>3830'</td> <td>-1475</td> </tr> <tr> <td>Base Kansas City</td> <td>4185'</td> <td>-1830</td> </tr> <tr> <td>Cherokee</td> <td>4366'</td> <td>-2011</td> </tr> <tr> <td>Mississippi</td> <td>4433'</td> <td>-2078</td> </tr> </table>	Name	Top	Datum	Stone Corral	1574'	+781	Base Stone Corral	1608'	+747	Heebner	3783'	-1428	Lansing	3830'	-1475	Base Kansas City	4185'	-1830	Cherokee	4366'	-2011	Mississippi	4433'	-2078
Name	Top	Datum																							
Stone Corral	1574'	+781																							
Base Stone Corral	1608'	+747																							
Heebner	3783'	-1428																							
Lansing	3830'	-1475																							
Base Kansas City	4185'	-1830																							
Cherokee	4366'	-2011																							
Mississippi	4433'	-2078																							

CASING RECORD <input type="checkbox"/> New <input checked="" 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	12-1/4"	8-5/8"	23#	222'	Common	150	3%cc 2%gel
Production	8-7/8"	5-1/2"	15.5#	4485'	EA-2	125	Flocele

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
4	4484'-4489' <b>RECEIVED</b>	500 Gal 20% NEFE CH	Same
	<b>OCT 28 2010</b>		
	<b>KCC WICHITA</b>		

TUBING RECORD: Size: <u>2-3/8"</u> Set At: <u>4487'</u> Packer At: <u>4473'</u> Liner Run: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR: <u>N/A</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>N/A</u> Gas Mcf <u>N/A</u> Water Bbls. <u>N/A</u> Gas-Oil Ratio _____ Gravity _____

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" 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: _____ _____
--	--	--

**REQUEST FOR NEW WELL INFORMATION CONFIDENTIALITY**

**AMERICAN WARRIOR, INC**

We request the enclosed well information to be held confidential for as long as the law allows:

Fuller #1-18     Hodgeman County

Section 18     Township 21 South     Range24 West

Well #: 15-083-21, 670

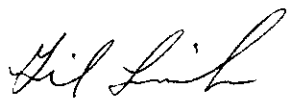
NE-NW-NW-SE     2550'FNL     2000'FWL

Spud Date: 9/7/2010

RTD Date: 9/15/2010

Completion Date: 10/22/10

Thank you,



Gil Linenberger, Geologist AWI

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# ALLIED CEMENTING CO., LLC. 036823

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

SERVICE POINT:  
Great Bend, KS

OCT 28 2010

DATE <u>9-7-10</u>	SEC. <u>18</u>	TWP. <u>21S</u>	RANGE <u>24</u> <del>CONFIDENTIAL</del>	ON LOCATION	JOB START <u>7:00 pm</u>	JOB FINISH <u>7:30 pm</u>
LEASE <u>Fuller</u>			WELL # <u>1-18</u>	LOCATION <u>Ness City KS South TO</u>	COUNTY <u>Hodgeman</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)			<u>RD # 8 west 1 south 2 1/2 East</u> <u>North into</u>			

CONTRACTOR Duke S OWNER American warrior

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 225

CASING SIZE 8 5/8 DEPTH 222

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

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

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

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

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

CEMENT LEFT IN CSG. 15

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

DISPLACEMENT 13 BBLs Fresh water

CEMENT

AMOUNT ORDERED 150SX Class A  
3% cc 2% Gel

COMMON <u>150</u>	@ <u>13.50</u>	<u>2025.00</u>
POZMIX _____	@ _____	_____
GEL <u>3</u>	@ <u>20.25</u>	<u>60.75</u>
CHLORIDE <u>5</u>	@ <u>51.50</u>	<u>257.50</u>
ASC _____	@ _____	_____
<b>RECEIVED</b>	@ _____	_____
<u>OCT 28 2010</u>	@ _____	_____
<b>KCC WICHITA</b>	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
HANDLING <u>150</u>	@ <u>2.25</u>	<u>337.50</u>
MILEAGE <u>150 x 2.28,10</u>		<u>330.00</u>
		<b>TOTAL <u>3016.75</u></b>

**EQUIPMENT**

PUMP TRUCK CEMENTER Wayne-D

# 181 HELPER Bob-R

BULK TRUCK

# 956 DRIVER Binh

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

Pipe on Bottom Break Circulation  
with Rigmud  
Hook up to Cement line mix 150SX  
Class A 3% cc 2% Gel  
Displace 13 BBLs Fresh water  
Cement did circulate.  
Shut in wash up Rig Down

**SERVICE**

DEPTH OF JOB <u>222</u>		
PUMP TRUCK CHARGE _____		<u>990.00</u>
EXTRA FOOTAGE _____	@ _____	_____
MILEAGE <u>22</u>	@ <u>7.00</u>	<u>154.00</u>
MANIFOLD _____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____

CHARGE TO: American warrior

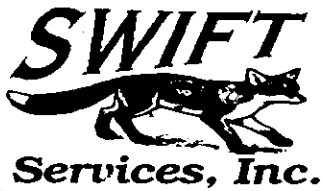
STREET \_\_\_\_\_

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

TOTAL 1144.00

**PLUG & FLOAT EQUIPMENT**

_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____



CHARGE TO: AMERICAN WARRIOR  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

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TICKET  
 19009

PAGE 1 OF 2

SERVICE LOCATIONS  
 1. NESS CITY, KS  
 WELL/PROJECT NO. FULLER 1-18  
 LEASE FULLER 1-18  
 COUNTY/PARISH HODGEMAN  
 STATE KS  
 CITY JEFFERSON  
 DATE 15 SEP 10  
 OWNER  
 2. TICKET TYPE  SERVICE  SALES  
 CONTRACTOR DART DRILLING RIG #5  
 RIG NAME/NO.  
 SHIPPED VIA  
 DELIVERED TO LOCATION  
 ORDER NO.  
 3. WELL TYPE OIL  
 WELL CATEGORY DEPARTMENT  
 JOB PURPOSE 5 1/2 LONGSTRINGS  
 WELL PERMIT NO.  
 WELL LOCATION NT, VAD, 100 15 2' 00" 3N  
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS 1/20, 1/20, 1/30, NT, VAD

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
575		1			MILEAGE #110	30				5.00	150.00	
578		1			PUMP CHARGE	1	4485	FT.		1400.00	1400.00	
402		1			CENTRALIGERS	9				55.00	495.00	
403		1			CEMENT BASSETS	2				200.00	400.00	
404		1			PORT COLLAR	1	1563	FT.		1900.00	1900.00	
407	KCC MICHITA OCT 28 2010 RECEIVED	1			TOSSER FLOAL SHOE LATCH DOWN	1				275.00	275.00	
400		1			LATCH DOWN PULLEY BITCH	1				225.00	225.00	
281		1			MUD FLUSH	500				1.00	500.00	
221		1			KIDING KOL	2				25.00	50.00	
419		1			MOUNTING HEAD BITCH	1				150.00	150.00	

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.  
 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS  
 X [Signature]  
 DATE SIGNED 15 SEP 10 TIME SIGNED 1030  
 A.M.  
 P.M.

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY  
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  
 WE UNDERSTOOD AND MET YOUR NEEDS?  
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?  
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  
 ARE YOU SATISFIED WITH OUR SERVICE?  
 YES  NO  
 CUSTOMER DID NOT WISH TO RESPOND

Price 1	5545.00
PAGE TOTAL	
Price 2	4016.25
PAGE 2	
TAX	
TOTAL	

**JOB LOG**

**SWIFT Services, Inc.**

DATE 15 SEP 10 PAGE NO. 1

CUSTOMER AMERICAN ENERGY SERVICES WELL NO. LEASE FULLER 1-18 JOB TYPE 5 1/2 LONGSTRING TICKET NO. 19009

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1040							ON LOCATION
	1145							START PIPE IN WELL 5 1/2 15.5'
								RID 4487 SET @ 4486'
								SHAPE ST. 17.87'
								FOR COLLAR TOP OF ST 76 @ 1563'
								CENTRALIZERS 1, 3, 5, 7, 9, 11, 13, 75, 77
								BASICS 2, 76
	1417							DROP BALL CIRCULATE
	1505	6	12		✓		100	Pump 500 gal MUD FLUSH
	1507	6	20		✓		100	Pump 20 BBL KCL FLUSH
	1511		7/5					PLUG RUN/INH (30% - 20%)
	1515	4	30		✓		100	MIN CEMENT 125% FA @ 15.5% FC
	1529							WASH OUT PUMP LINES
	1533							RELEASE PLUG
	1535	6	100		✓		400 GAL	START DISPLACEMENT
	1553	2	100 1/2		✓		1500	PLUG DOWN LATCH PLUG IN
	1556						5	RELEASE PRESSURE HOLD
	1600							WASH TRUCK
	1630							JOB COMPLETE
								THANKS #110
								JASON, JEFF, LANE.

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PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 19009

CUSTOMER AMERICAN WARRIOR  
WELL  
DATE 15 SEP 10 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		QTY	UM	QTY	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DP										
283		1				SALT			900	lbs			15	135.00
284		1				CALSEAL			8	5x			30.00	240.00
292		1				HACAD 322			124	lbs			7.00	868.00
276		1				FLOCEL			44	lbs			1.50	66.00
290		1				TD-AIR			2	gal			35.00	70.00
325		1				STADARD CEMENT			175	5x			12.00	2100.00
531		1				SERVICE CHARGE							1.50	262.50
533		1											1.00	274.00

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MEASUREMENT CHARGE TOTAL WEIGHT 18318 LOADED MILES 30

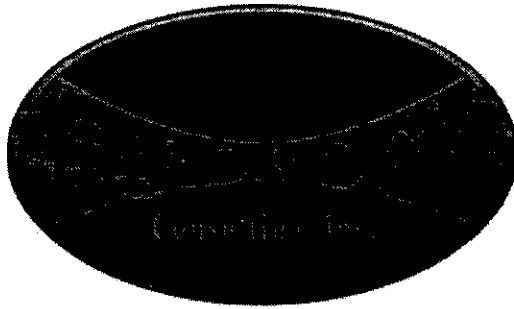
CUBIC FEET 1755x  
TON MILES 274.77

CONTINUATION TOTAL 4016.27

# Geological Report

American Warrior Inc.  
**Fuller #1-18**  
2550' FSL & 2000' FEL  
Sec. 18 T21s R24w  
Hodgeman County, Kansas

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**American Warrior, Inc.**



## General Data

Well Data: American Warrior, Inc.  
Fuller #1-18  
2550' FSL & 2000' FEL  
Sec. 18 T21s R24w  
Hodgeman County, Kansas  
API # 15-083-21670-0000

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Jason Alm, Harley Sayles

Spud Date: September 6, 2010

Completion Date: September 14, 2010

Elevation: 2323' Ground Level  
2334' Kelly Bushing

Directions: Jetmore KS, North on Hwy 283 to S rd. West on S rd. to 214 rd. North to U rd. West and North to V. rd. 1 mi. West, North into location.

Casing: 222' 8 5/8" surface casing  
4485' 5 1/2" production casing

Samples: 10' wet and dry, 3700' to RTD

Drilling Time: 3600' to RTD

Electric Logs: None

Drillstem Tests: Three, Trilobite Testing, Inc. "Jeff Brown"

Problems: None

Remarks: DST #1&2 were pulled early due to poor blows.

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## Formation Tops

Formation	American Warrior, Inc. Fuller #1-18 Sec. 18 T21s R24w 2550' FSL & 2000' FEL
Anhydrite	1574', +781
Base	1608', +747
Heebner	3783', -1428
Lansing	3830', -1475
Stark	4097', -1742
BKc	4185', -1830
Marmaton	4206', -1851
Pawnee	4291', -1936
Fort Scott	4341', -1986
Cherokee	4366', -2011
Mississippian	4433', -2078
Osage	4479', -2124
RTD	4487', -2132

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## Sample Zone Descriptions

- Mississippian Warsaw (4433', -2078): Covered in DST #1,2**  
 Dolo – Fine sucrosic crystalline with poor to fair vuggy and inter-crystalline porosity, light to heavy oil stain and saturation in porosity, show of free oil, fair to good yellow fluorescents, good odor, 16-21 units hotwire.
- Mississippian Osage (4479', -2124): Covered in DST #3**  
 Dolo – Δ – Fine sucrosic crystalline with fair vuggy porosity, heavy chert, triptolic, weathered with pinpoint vuggy porosity, light to fair oil stain, show of free oil, fair yellow fluorescents, good odor, 32 units hotwire.

**Drill Stem Tests**  
 Trilobite Testing Inc.  
 "Jeff Brown"

**DST #1**

**Mississippian:**

Interval (4387' – 4451') Anchor Length 64'

IHP	- 2246 #	
IFP	- 30" – Built to 1/4 in.	21-29 #
ISI	- 30" – Dead	798 #
FFP	- 15" – Dead	33-33 #
FHP	- 2118 #	
BHT	- 120°F	

Recovery:	1' HOCM	70% Oil
	4' SOCM	5% Oil

**DST #2**

**Mississippian:**

Interval (4458' – 4471') Anchor Length 13'

IHP	- 2216 #	
IFP	- 30" – Built to 1 in.	18-28 #
ISI	- 30" – Dead	1212 #
FFP	- 15" – Dead	29-29 #
FHP	- 2123 #	
BHT	- 118°F	

Recovery:	1' SOCM	5% Oil
	4' Mud w/ scum of oil	

**DST #3**

**Mississippian Osage**

Interval (4469' – 4483') Anchor Length 14'

IHP	- 2249 #	
IFP	- 45" – Built to 7 in.	21-149 #
ISI	- 45" – W.S.B.	1354 #
FFP	- 45" – B.O.B. 32 min.	160-206 #
FSI	- 45" – Built to ¼ in.	1339 #
FHP	- 2149 #	
BHT	- 129°F	

Recovery:	141' GIP	
	267' GCO	
	126' MO	90% Oil
	126' HOCGM	40% Oil

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## Structural Comparison

	American Warrior, Inc. Fuller #1-18 Sec. 18 T21s R24w 2550' FSL & 2000' FEL	Hess Oil Co. King #1 Sec. 18 T21s R24w 3300' FSL & 1980' FWL		American Warrior, Inc. Jarred Nuss #1-17 Sec. 17 T21s R24w 662' FSL & 483' FWL	
<b>Formation</b>					
Anhydrite	1574', +781	1565', +773	(+8)	1555', +779	(+2)
Base	1608', +747	NA	NA	1588', +746	(+1)
Heebner	3783', -1428	3773', -1435	(+7)	3763', -1429	(+1)
Lansing	3830', -1475	3820', -1482	(+7)	3810', -1476	(+1)
Stark	4097', -1742	NA	NA	4078', -1744	(+2)
BKc	4185', -1830	4173', -1835	(+5)	4164', -1838	(+8)
Marmaton	4206', -1851	NA	NA	4187', -1853	(+2)
Pawnee	4291', -1936	NA	NA	4282', -1948	(+8)
Fort Scott	4341', -1986	4337', -1999	(+13)	4323', -1989	(+3)
Cherokee	4366', -2011	4367', -2029	(+18)	4349', -2015	(+4)
Mississippian	4433', -2078	4422', -2084	(+6)	4414', -2080	(+2)
Osage	4479', -2124	NR	NR	4428', -2094	(-30)

## Summary

The location for the Fuller #1-18 well was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Three drill stem tests were conducted one of which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 5 1/2 inch production casing to further evaluate the Fuller #1-18 well.

## Recommended Perforations

**Primary:**

Mississippian Osage:           (4479' – 4484')                           DST #3

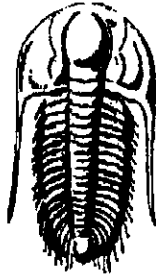
**Before Abandonment:**

Mississippian Warsaw:       (4451' – 4468')                           DST #1,2

Respectfully Submitted,

Jason Alm  
Hard Rock Consulting, Inc.

**RECEIVED**  
**OCT 28 2010**  
**KCC WICHITA**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

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

PO Box 399  
Garden City KS 67846

ATTN: Cecil O Brate

**18-21s24w HodgemanKS**

**Fuller # 1-18**

Start Date: 2010.09.13 @ 16:22:54

End Date: 2010.09.13 @ 22:27:09

Job Ticket #: 38519                      DST #: 1

**KCC  
OCT 28 2010  
CONFIDENTIAL**

**RECEIVED  
OCT 28 2010  
KCC WICHITA**

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

American Warrior, Inc.

Fuller # 1-18

18-21s24w HodgemanKS

DST # 1

Miss

2010.09.13



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.

**Fuller # 1-18**

PO Box 399  
Garden City KS 67846

**18-21s24w HodgemanKS**

ATTN: Cecil O Brate

Job Ticket: 38519

**DST#: 1**

Test Start: 2010.09.13 @ 16:22:54

## GENERAL INFORMATION:

Formation: **Miss**

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

Time Tool Opened: 18:49:39

Time Test Ended: 22:27:09

Test Type: **Conventional Bottom Hole**

Tester: **Jeff Brown**

Unit No: **44**

Interval: **4387.00 ft (KB) To 4461.00 ft (KB) (TVD)**

Total Depth: **4461.00 ft (KB) (TVD)**

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

Reference Elevations: **2355.00 ft (KB)**

**2344.00 ft (CF)**

KB to GR/CF: **11.00 ft**

**Serial #: 8654** Inside

Press@RunDepth: **29.23 psig @ 4392.00 ft (KB)**

Start Date: **2010.09.13**

End Date: **2010.09.13**

Capacity: **8000.00 psig**

Last Calib.: **2010.09.13**

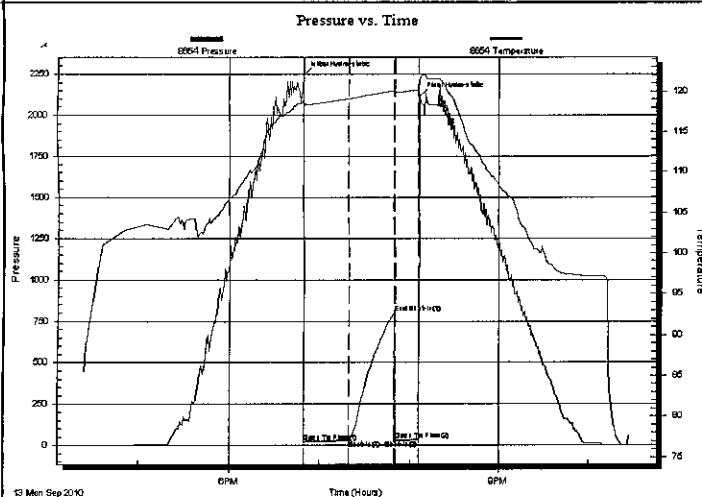
Start Time: **16:23:09**

End Time: **22:27:09**

Time On Btm: **2010.09.13 @ 18:49:24**

Time Off Btm: **2010.09.13 @ 20:06:39**

TEST COMMENT: IFP-Weak blow built to 1/4 in  
ISI-Dead no blow back  
FFP-Dead no blow



## PRESSURE SUMMARY

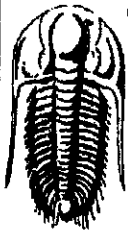
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2245.84	118.92	Initial Hydro-static
1	20.75	117.71	Open To Flow (1)
31	29.23	119.02	Shut-In(1)
61	797.80	120.03	End Shut-In(1)
61	32.81	119.83	Open To Flow (2)
77	32.60	120.16	Shut-In(2)
78	2118.11	121.54	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
4.00	SOCM5%O95%M	0.02
1.00	HOCM 30%O 70%M	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc.

PO Box 399  
Garden City KS 67846

ATTN: Cecil O Brate

**Fuller # 1-18**

**18-21s24w HodgemanKS**

Job Ticket: 38519

**DST#: 1**

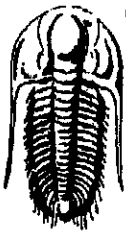
Test Start: 2010.09.13 @ 16:22:54

### Tool Information

Drill Pipe:	Length: 4067.00 ft	Diameter: 3.80 inches	Volume: 57.05 bbl	Tool Weight: 22000.00 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: 307.00 ft	Diameter: 2.25 inches	Volume: 1.51 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 58.56 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	4387.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.00 ft			
Tool Length:	102.00 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			4360.00	
Shut In Tool	5.00			4365.00	
Hydraulic tool	5.00			4370.00	
Jars	5.00			4375.00	
Safety Joint	3.00			4378.00	
Packer	4.00			4382.00	28.00 Bottom Of Top Packer
Packer	5.00			4387.00	
Stubb	1.00			4388.00	
Perforations	3.00			4391.00	
Change Over Sub	1.00			4392.00	
Recorder	0.00	8654	Inside	4392.00	
Recorder	0.00	8166	Outside	4392.00	
Drill Pipe	62.00			4454.00	
Change Over Sub	1.00			4455.00	
Perforations	3.00			4458.00	
Bullnose	3.00			4461.00	74.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>102.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.

**Fuller # 1-18**

PO Box 399  
Garden City KS 67846

**18-21s24w HodgemanKS**

Job Ticket: 38519

**DST#: 1**

ATTN: Cecil O Brate

Test Start: 2010.09.13 @ 16:22:54

## 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:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.54 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4800.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	SOCM5%O95%M	0.020
1.00	HOCM 30%O 70%M	0.005

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

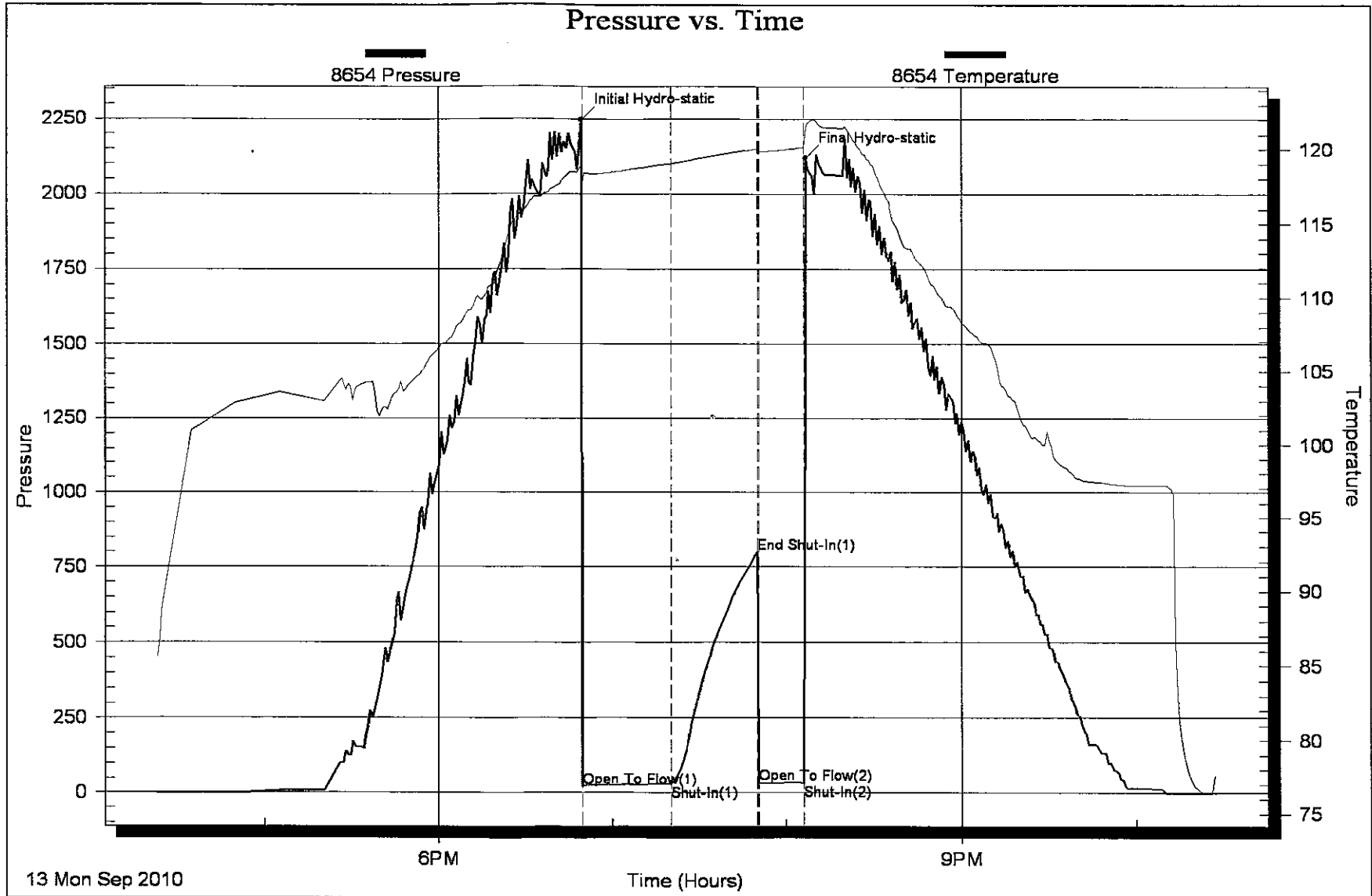
Serial #:

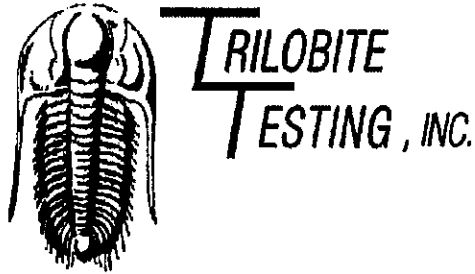
Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

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

PO Box 399  
Garden City KS 67846

ATTN: Cecil O Brate

**18-21s24w HodgemanKS**

**Fuller # 1-18**

Start Date: 2010.09.14 @ 05:10:08

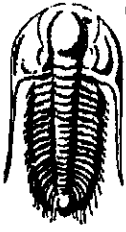
End Date: 2010.09.14 @ 10:24:23

Job Ticket #: 38520                      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.  
PO Box 399  
Garden City KS 67846  
ATTN: Cecil O Brate

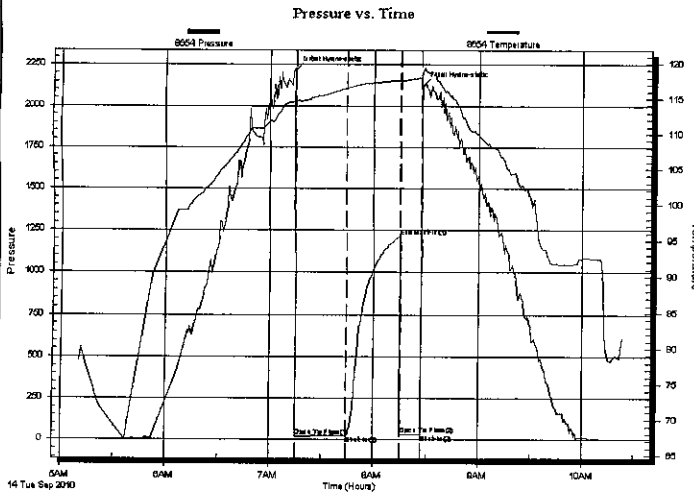
**Fuller # 1-18**  
**18-21s24w HodgemanKS**  
Job Ticket: 38520      DST#: 2  
Test Start: 2010.09.14 @ 05:10:08

## GENERAL INFORMATION:

Formation: **Miss**  
Deviated: **No** Whipstock:                      ft (KB)  
Time Tool Opened: 07:14:38  
Time Test Ended: 10:24:23  
Interval: **4458.00 ft (KB) To 4471.00 ft (KB) (TVD)**  
Total Depth: **4471.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Good**  
Test Type: **Conventional Bottom Hole**  
Tester: **Jeff Brown**  
Unit No: **44**  
Reference Elevations: **2355.00 ft (KB)**  
**2344.00 ft (CF)**  
KB to GR/CF: **11.00 ft**

**Serial #: 8654**      **Inside**  
Press@RunDepth: **27.70 psig @ 4459.00 ft (KB)**      Capacity: **8000.00 psig**  
Start Date: **2010.09.14**      End Date: **2010.09.14**      Last Calib.: **2010.09.14**  
Start Time: **05:10:23**      End Time: **10:24:23**      Time On Btm: **2010.09.14 @ 07:14:23**  
Time Off Btm: **2010.09.14 @ 08:27:38**

**TEST COMMENT:** IFF-Weak blow built to 1 in  
ISI-Dead No blow back  
FFP-Dead no blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2215.98	114.93	Initial Hydro-static
1	17.58	114.16	Open To Flow (1)
30	27.70	116.49	Shut-In(1)
61	1211.90	117.65	End Shut-In(1)
61	29.41	117.38	Open To Flow (2)
73	30.49	118.01	Shut-In(2)
74	2123.41	118.86	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
4.00	Mud with a scum of oil	0.02
1.00	SOCM5%O95%M	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc.

**Fuller # 1-18**

PO Box 399  
Garden City KS 67846

**18-21s24w HodgemanKS**

ATTN: Cecil O Brate

Job Ticket: 38520

**DST#: 2**

Test Start: 2010.09.14 @ 05:10:08

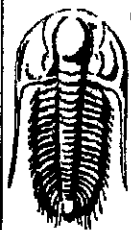
### Tool Information

Drill Pipe:	Length: 4129.00 ft	Diameter: 3.80 inches	Volume: 57.92 bbl	Tool Weight:	22000.00 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: 307.00 ft	Diameter: 2.25 inches	Volume: 1.51 bbl	Weight to Pull Loose:	79000.00 lb
			<b>Total Volume: 59.43 bbl</b>	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	72000.00 lb
Depth to Top Packer:	4458.00 ft			Final	72000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	13.00 ft				
Tool Length:	41.00 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			4431.00	
Shut In Tool	5.00			4436.00	
Hydraulic tool	5.00			4441.00	
Jars	5.00			4446.00	
Safety Joint	3.00			4449.00	
Packer	4.00			4453.00	28.00 Bottom Of Top Packer
Packer	5.00			4458.00	
Stubb	1.00			4459.00	
Recorder	0.00	8654	Inside	4459.00	
Recorder	0.00	8166	Outside	4459.00	
Perforations	9.00			4468.00	
Bullnose	3.00			4471.00	13.00 Bottom Packers & Anchor

**Total Tool Length: 41.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.

**Fuller # 1-18**

PO Box 399  
Garden City KS 67846

**18-21s24w HodgemanKS**

Job Ticket: 38520

**DST#: 2**

ATTN: Cecil O Brate

Test Start: 2010.09.14 @ 05:10:08

### 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:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.53 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4800.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	Mud w ith a scum of oil	0.020
1.00	SOCM5%O95%M	0.005

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

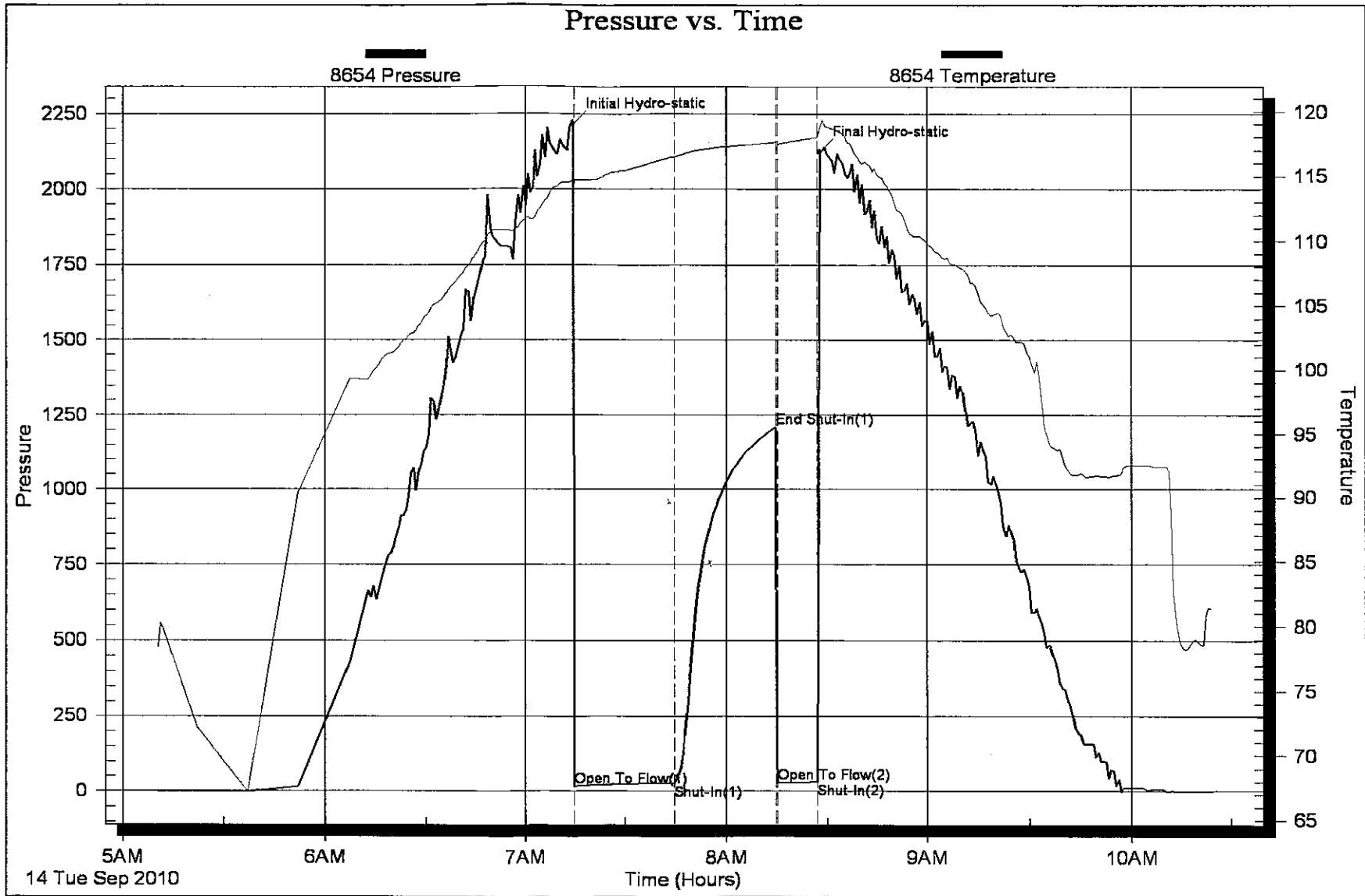
Num Gas Bombs: 0

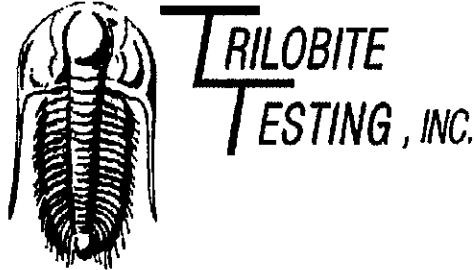
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





## DRILL STEM TEST REPORT

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

PO Box 399  
Garden City KS 67846

ATTN: Cecil O Brate

**18-21s24w HodgemanKS**

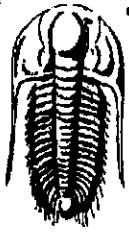
**Fuller # 1-18**

Start Date: 2010.09.14 @ 17:13:49

End Date: 2010.09.15 @ 01:15:19

Job Ticket #: 38521                      DST #: 3

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.

**Fuller # 1-18**

PO Box 399  
Garden City KS 67846

**18-21s24w HodgemanKS**

ATTN: Cecil O Brate

Job Ticket: 38521

**DST#: 3**

Test Start: 2010.09.14 @ 17:13:49

## GENERAL INFORMATION:

Formation: **Miss**

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

Time Tool Opened: 19:12:19

Time Test Ended: 01:15:19

Test Type: **Conventional Bottom Hole**

Tester: **Jeff Brown**

Unit No: **44**

Interval: **4469.00 ft (KB) To 4483.00 ft (KB) (TVD)**

Total Depth: **4483.00 ft (KB) (TVD)**

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

Reference Elevations: **2355.00 ft (KB)**

**2344.00 ft (CF)**

KB to GR/CF: **11.00 ft**

**Serial #: 8654** **Inside**

Press@RunDepth: **206.43 psig @ 4471.00 ft (KB)**

Start Date: **2010.09.14**

End Date: **2010.09.15**

Start Time: **17:14:04**

End Time: **01:15:19**

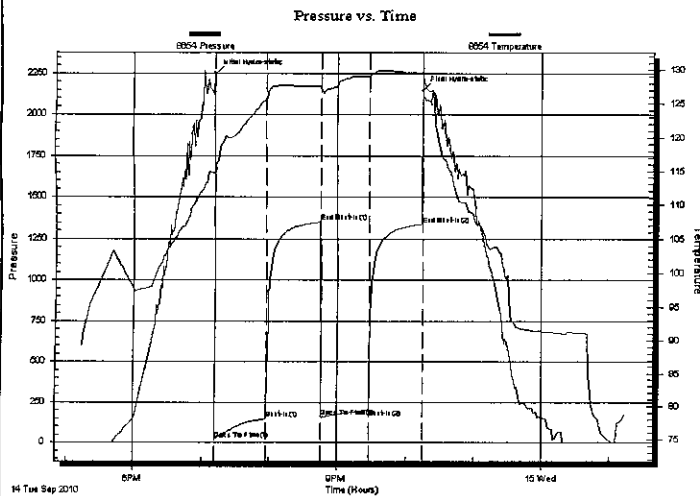
Capacity: **8000.00 psig**

Last Calib.: **2010.09.15**

Time On Btm: **2010.09.14 @ 19:12:04**

Time Off Btm: **2010.09.14 @ 22:14:34**

**TEST COMMENT:** IFF-Fair blow built to 7 in  
ISI-Weak surface blow died out in 20 min  
FFP-Strong blow BOB in 32 min  
FSI-Weak surface blow built to 1/4 in. died out in 33 min



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2249.17	114.97	Initial Hydro-static
1	20.51	114.20	Open To Flow (1)
46	149.01	125.63	Shut-In(1)
94	1354.03	127.48	End Shut-In(1)
94	159.83	126.92	Open To Flow (2)
136	206.43	129.02	Shut-In(2)
183	1338.60	129.45	End Shut-In(2)
183	2148.71	129.89	Final Hydro-static

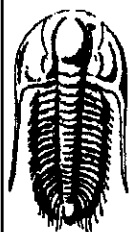
## Recovery

Length (ft)	Description	Volume (bbl)
267.00	Free G Oil	1.31
126.00	MO10%M90%O	1.40
126.00	HOCGM 40%O10%G50%M	1.77
0.00	141 GIP	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc.

**Fuller # 1-18**

PO Box 399  
Garden City KS 67846

**18-21s24w HodgemanKS**

Job Ticket: 38521      **DST#: 3**

ATTN: Cecil O Brate

Test Start: 2010.09.14 @ 17:13:49

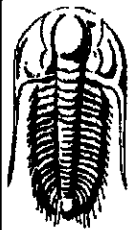
### Tool Information

Drill Pipe:	Length: 4160.00 ft	Diameter: 3.80 inches	Volume: 58.35 bbl	Tool Weight: 22000.00 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: 307.00 ft	Diameter: 2.25 inches	Volume: 1.51 bbl	Weight to Pull Loose: 79000.00 lb
		<b>Total Volume:</b>	<b>59.86 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4469.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 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			4442.00	
Shut In Tool	5.00			4447.00	
Hydraulic tool	5.00			4452.00	
Jars	5.00			4457.00	
Safety Joint	3.00			4460.00	
Packer	4.00			4464.00	28.00      Bottom Of Top Packer
Packer	5.00			4469.00	
Stubb	1.00			4470.00	
Perforations	1.00			4471.00	
Recorder	0.00	8654	Inside	4471.00	
Recorder	0.00	8166	Outside	4471.00	
Perforations	9.00			4480.00	
Bullnose	3.00			4483.00	14.00      Bottom Packers & Anchor

**Total Tool Length: 42.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.

**Fuller # 1-18**

PO Box 399  
Garden City KS 67846

**18-21s24w HodgemanKS**

ATTN: Cecil O Brate

Job Ticket: 38521      **DST#: 3**  
Test Start: 2010.09.14 @ 17:13:49

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4800.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
267.00	Free G Oil	1.313
126.00	MO10%M90%O	1.403
126.00	HOCGM40%O10%G50%M	1.767
0.00	141 GIP	0.000

Total Length: 519.00 ft      Total Volume: 4.483 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

