

ORIGINAL RECEIVED 8/15/13

CONFIDENTIAL

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

AUG 18 2011

Form ACO-1 June 2009

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

KCC WICHITA

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

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 Wellsite Geologist: James Musgrove Purchaser: NCRA

API No. 15 - 159-22,651-00-00 Spot Description: SE. sec.16-19s-10w NE\_SW\_SW\_SE Sec. 16 Twp. 19 S. R. 10 East West 409 Feet from North South Line of Section 2,193 Feet from East West Line of Section Footages Calculated from Nearest Outside Section Corner: NE NW SE SW County: Rice Lease Name: A.C. Pulliam Well #: 2-16 Field Name: Chase- Sillica Producing Formation: Congl. Elevation: Ground: 1765 Kelly Bushing: 1773 Total Depth: 3410 Plug Back Total Depth: 3377 Amount of Surface Pipe Set and Cemented at: 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.

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 #: 6-28-11 7-3-11 8-15-11 Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content: 12000 ppm Fluid volume: 400 bbls Dewatering method used: Evaporation Location of fluid disposal if hauled offsite: Operator Name: Lease Name: License #: Quarter Sec. Twp. East West County: Permit #

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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: Production Supt. Date: 8-15-11

KCC Office Use ONLY Letter of Confidentiality Received Date: 8/15/11 - 8/15/13 Confidential Release Date: Wireline Log Received Geologist Report Received UIC Distribution ALT I II III Approved by: Date: 8-29-11

Operator Name: American Warrior INC Lease Name: A.C. Pulliam Well #: 2-16  
 Sec. 16 Twp. 19 S. R. 10  East  West County: Rice

**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>DIL, DCDN, Micro</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>Topeka</td> <td>2559</td> <td>-786</td> </tr> <tr> <td>Heebner</td> <td>2839</td> <td>-1066</td> </tr> <tr> <td>Toronto</td> <td>2852</td> <td>-1079</td> </tr> <tr> <td>Douglas Sand</td> <td>2881</td> <td>-1108</td> </tr> <tr> <td>Lansing</td> <td>2980</td> <td>-1207</td> </tr> <tr> <td>BKC</td> <td>3248</td> <td>-1475</td> </tr> <tr> <td>ARB.</td> <td>3398</td> <td>-1625</td> </tr> </table>	Name	Top	Datum	Topeka	2559	-786	Heebner	2839	-1066	Toronto	2852	-1079	Douglas Sand	2881	-1108	Lansing	2980	-1207	BKC	3248	-1475	ARB.	3398	-1625
Name	Top	Datum																							
Topeka	2559	-786																							
Heebner	2839	-1066																							
Toronto	2852	-1079																							
Douglas Sand	2881	-1108																							
Lansing	2980	-1207																							
BKC	3248	-1475																							
ARB.	3398	-1625																							

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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	12-1/4"	8-5/8"	23#	353	common	250	2%cc/3%gel
Production	7-7/8	5-1/2"	14#	340	EA-2	150	1/4# 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	3299-3304, 3291'-3295'	2000 gals 15% NE-FE acid	same

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TUBING RECORD:	Size: <u>2-3/8"</u>	Set At: <u>3350'</u>	Packer At: <u>None</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>SI</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>SI</u>	Gas Mcf	Water Bbls.	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: <u>3299-3304, 3291-3295</u>
--	--	---

# ALLIED CEMENTING CO., LLC. 038768

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

SERVICE POINT:  
Great Bend KS

DATE <u>6-28-11</u>	SEC. <u>16</u>	TWP. <u>19S</u>	RANGE <u>10W</u>	CALLED OUT	ON LOCATION	JOB START <u>8:45 pm</u>	JOB FINISH <u>6:15 pm</u>
LEASE <u>Pulliam</u>	WELL # <u>2-16</u>	LOCATION <u>Chase St. west on 56 to Raymond Rd</u>			COUNTY <u>Osage</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)			<u>3rd 1/4 NW Northwest</u>				

CONTRACTOR Duke Reg # 8

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 353

CASING SIZE 9 5/8 DEPTH 353

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH 353

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 150L

PERFS.

DISPLACEMENT Freehater

OWNER American Warrior

CEMENT AMOUNT ORDERED 250 lbs Com 36cc 2% gel

EQUIPMENT

PUMP TRUCK # 224 CEMENTER Bobby Polby

BULK TRUCK # 341 HELPER Bobby Polby

BULK TRUCK # DRIVER Larry S

BULK TRUCK # DRIVER

COMMON	<u>250</u>	@	<u>16.25</u>	<u>4,062.50</u>
POZMIX		@		
GEL	<u>5</u>	@	<u>21.25</u>	<u>106.25</u>
CHLORIDE	<u>9</u>	@	<u>58.20</u>	<u>523.80</u>
ASC		@		
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HANDLING	<u>264</u>	@	<u>2.25</u>	<u>594.00</u>
MILEAGE	<u>2648.17 x .11</u>	@		<u>493.80</u>
				<b>TOTAL</b> <u>5,780.10</u>

REMARKS:

Great circulation with sig mud.  
Run 360 Freehater, mix 250 lbs class A 86cc  
2% gel with 39.75 lbs Freehater, shut  
down release plug and displace 2.65 bbls  
Freehater and shut in.  
Cement did circulate

CHARGE TO: American Warrior

STREET \_\_\_\_\_

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

SERVICE

DEPTH OF JOB	<u>363</u>			
PUMP TRUCK CHARGE				<u>1125.00</u>
EXTRA FOOTAGE		@		
MILEAGE Truck	<u>34</u>	@	<u>7.00</u>	<u>238.00</u>
MANIFOLD		@		
<u>high truck</u>	<u>34</u>	@	<u>4.00</u>	<u>136.00</u>
				<b>TOTAL</b> <u>1,499.00</u>

PLUG & FLOAT EQUIPMENT

wooden plug	@	<u>94.00</u>	<u>94.00</u>
<b>CONFIDENTIAL</b>			
<u>AUG 15 2013</u>			
<b>TOTAL</b> <u>94.00</u>			

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 Steve H. Stephens

SIGNATURE Steve H. Stephens

SALES TAX (If Any)			
TOTAL CHARGES	<u>7,373.10</u>		
DISCOUNT	<u>20%</u>		
			<u>1,474.00</u>
			<u>5,898.50</u>

IF PAID IN 30 DAYS



CHARGE TO: *American Warrior Inc*  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

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TICKET  
 19815

PAGE 1 OF 2

SERVICE LOCATIONS:  
 1. *Hays, Ks.*  
 2. *Ness City, Ks.*  
 3.  
 4.

WELL/PROJECT NO. *#2-16*  
 LEASE *AC Pulliam*  
 COUNTY/PARISH *Rice*  
 STATE *Ks*  
 CITY

TICKET TYPE  
 SERVICE  
 SALES

CONTRACTOR *Duke #8*  
 RIG NAME/NO.  
 SHIPPED VIA *CH*  
 DELIVERED TO *Location*

DATE *7-4-11*  
 OWNER *Same*  
 ORDER NO.

WELL TYPE *oil*  
 WELL CATEGORY *development*  
 JOB PURPOSE *Longstring*  
 WELL PERMIT NO.  
 WELL LOCATION

REFERRAL LOCATION  
 INVOICE INSTRUCTIONS

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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #111	75	mi			5.00	375.00
578		1			<del>1</del> Pump Charge (Longstring)	1	ea	3400'		1400.00	1400.00
221		1			KEL	2	gal			25.00	50.00
281		1			Mudflush	500	gal			1.00	500.00
290		1			D-Air	2	gal			35.00	70.00
402		1			Centralizers	6	ea	5 1/2"		65.00	390.00
403		1			Basket	1	ea			230.00	230.00
406		1			LD Plug & Baffle	1	ea			225.00	225.00
407		1			Insert Float Shoe w/ Pill	1	ea			300.00	300.00

**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 *7-4-11* TIME SIGNED *12:15*  A.M.  P.M.

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE		
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL 1	3540.00
WE UNDERSTOOD AND MET YOUR NEEDS?				page 2	4248.50
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				sub total	7788.50
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Rice TAX 17.3%	369.75
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	8158.25
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR *[Signature]* APPROVAL *[Signature]*

Thank You!



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

TICKET CONTINUATION

TICKET No. 19815

CUSTOMER American Warrior Inc WELL 2-16 ACPullians DATE 7-4-11 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	U/M	QTY.	U/M		
325		2				Standard Cement	175	sk			12.00	2100.00
276		2				Flocele	50	#	3/4	#/sk	1.50	75.00
283		2				Salt	900	#	10	%	15	135.00
284		2				Calseal	8	sk	5	%	30.00	240.00
292		2				Halad-322	100	#	3/4	%	7.50	750.00
581		2				SERVICE CHARGE					1.50	202.50
583		2				MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES		1.00	686.00
							19300	75	686			

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CONTINUATION TOTAL 4248.50

JOB LOG

SWIFT Services, Inc.

DATE 7-4-11 PAGE NO. 1

CUSTOMER American Warrior Inc WELL NO. # 2-16 LEASE Pulliam JOB TYPE Longstring TICKET NO. 19825

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0730							on loc w/FE
								RTD 3410'
								5 1/2" x 14" x 3408' x 20'
								Cent. 2, 5, 7, 9, 11, 14
								Back 3
	0900							start FE
	1030							Break Circ
	1130							Plug RH & MH 30/20 EA-2
	1140	4.5	0			150		start Mud Flush
		4.5	12/0			150		start KCK flush
	1147	5.5	20/0			200		Start Cement 125 sks EA-2
	1254		36					End Cement
								Wash P+L
								Drop LD Plug
	1157	6.5	0			200		start Displacement
	1207	5	64			250		Catch Cement
	1210		82.5			500/1300		Land Plug
								Release Pressure
								Float Held

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Thank you

Nick, Josh + Shane

**JAMES C. MUSGROVE**

Petroleum Geologist  
212 Main Street  
P.O. Box 215  
Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 587-3444

American Warrior Inc.  
A.C. Pulliam #2-16  
NE-SW-SW-SE (409' FSL & 2193' FEL)  
Section 16-19s-10w  
Rice County, Kansas  
Page 1

**5 1/2" Production Casing Set**

**Contractor:** Duke Drilling Company (Rig #8)

**Commenced:** June 28, 2011

**Completed:** July 3, 2011

**Elevation:** 1773' K.B; 1771 D.F; 1765' G.L.

**Casing program:** Surface; 8 5/8" @ 353'  
Production; 5 1/2" @ 3409'

**Sample:** Samples saved and examined 2500' to the Rotary Total Depth.

**Drilling time:** One (1) foot drilling time recorded and kept 2500 ft to the Rotary Total Depth.

**Measurements:** All depths measured from the Kelly Bushing.

**Drill Stem Tests:** There were two (2) Drill Stem Tests ran by Trilobite Testing.

**Electric Log:** By Log Tech; Dual Induction, Dual Compensated Porosity, Micro and Sonic Log.

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<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Topeka	2559	-786
Heebner	2839	-1066
Toronto	2852	-1079
Douglas	2863	-1090
Douglas Sand	2881	-1108
Brown Lime	2952	-1179
Lansing	2980	-1207
Base Kansas City	3248	-1475
Conglomerate	3268	-1495
Conglomerate Sand	3291	-1518
Arbuckle	3398	-1625
Rotary Total Depth	3410	-1637
Log Total Depth	3408	-1635

(All tops and zones corrected to Electric Log measurements).

**SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.**

**TOPEKA SECTION**

2559-2839' There were several zones of well-developed porosity encountered in the drilling of the Topeka Section but no show of oil and/or gas was noted (see attached Drilling Time and Sample Log).

**TORONTO SECTION**

2852-2862' Limestone; cream, tan, fine and medium crystalline, few granular, slightly dolomite, no shows.

**DOUGLAS SECTION**

2881-2900' Sand; brown and gray to white, fine grained, few medium grained, sub rounded, well sorted, friable, fair intergranular porosity, good stain and saturation, trace of free oil and fair to good odor in fresh samples.

**LANSING SECTION**

2980-2986' Limestone; gray, brown and cream, finely crystalline, fossiliferous, poor porosity, no shows.

2998-3008' Limestone; white/cream and gray, finely crystalline, slightly chalky, trace stain, trace of free oil plus trace white chert.

3018-3021' Limestone; cream, brown to light tan, fine to medium crystalline, oolitic in part, no shows.

3033-3036' Limestone; as above, slightly oolitic, questionable stain, no show of free oil and faint odor in fresh samples.

3055-3066' Limestone; cream, tan, oomoldic, oolitic, good oomoldic porosity, good stain, fair show of free oil and good odor in fresh samples.

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**Drill Stem Test #1 3045-3066'**

**Times: 30-30-45-60**

**Blow: Strong**

**Recovery: 1146' gas in pipe  
20' very slightly oil and gas cut mud**

**Pressures: ISIP 292 psi  
FSIP 390 psi  
IFP 16-33 psi  
FFP 18-24 psi  
HSH 1496-1429 psi**

3066-3080' Limestone; as above, cream, tan, finely crystalline, oolitic, oomoldic, no shows.

3118-3124' Limestone; cream, tan, gray, finely crystalline, oolitic, oomoldic, trace stain, show of free oil samples broken, and faint odor in fresh samples.

3134-3150' Limestone; cream, tan, white, finely crystalline, fossiliferous, few with fine vuggy porosity, chalky in part, no shows.

3150-3170' Limestone; white, cream, sub oomoldic, fossiliferous, trace stain, trace fine oil, no odor.



3188-3210' Limestone; cream, tan, granular, chalky, poor porosity, no shows.

3224-3226' Limestone; cream, tan, finely crystalline, oolitic, chalky, no shows.

**CONGLOMERATE SECTION**

3291-3304' Sand; medium grained, sub rounded, friable, fair intergranular porosity, fair light brown stain, show of free oil and faint odor in fresh samples.

**ARBUCKLE SECTION**

3308-3326' Dolomite; white, cream, finely crystalline, few medium crystalline, poorly developed porosity, trace poor stain, no show of free oil and questionable odor in fresh samples.

**Drill Stem Test #2 3230-3326'**

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Times: 30-30-30-45

Blow: Fair to good

Recovery: 661' gas in pipe  
 27' heavy oil and gas cut mud  
 (50% gas, 30% oil, 20% mud)  
 63' oil and gas cut mud  
 (50% gas, 20% oil, 30% mud)

Pressures: ISIP 1083 psi  
 FSIP 1086 psi  
 IFP 59-69 psi  
 FFP 69-86 psi  
 HSH 1681-1627 psi

3326-3350' Dolomite; white, cream, fine and medium crystalline, poor visible porosity, no shows.

3350-3370' Dolomite; as above, few scattered intercrystalline porosity, no shows, plus trace white chert.

3370-3410' Dolomite and chert as above.

Rotary Total Depth 3410 (-1637)  
 Log Total Depth 3408 (-1635)

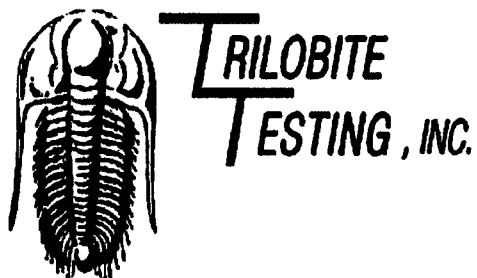
**Recommendations:**

5 1/2" production casing was set and cemented and the following zones should be tested in the A.C. Pulliam #2-16:

1. Conglomerate Sand 3299-3304
2. Conglomerate Sand 3291-3295
3. Lansing 'G' Zone 3056-3067
4. Douglas Sand 2882-2900

Respectfully submitted;

*James C. Musgrove & Kurt Talbott*  
 James C. Musgrove and  
 Kurt Talbott,  
 Petroleum Geologists



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399  
Garden City, KS 67846

ATTN: Cecil O Brate

**16-19s-10w Rice,KS**

**AC Pulliam #2-16**

Start Date: 2011.07.02 @ 08:49:01

End Date: 2011.07.02 @ 14:48:01

Job Ticket #: 44178      DST #: 1

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Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

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Printed: 2011.07.11 @ 14:48:16 Page 1

American Warrior Inc

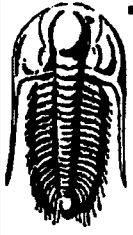
AC Pulliam #2-16

16-19s-10w Rice,KS

DST # 1

Lansing-G

2011.07.02



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

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

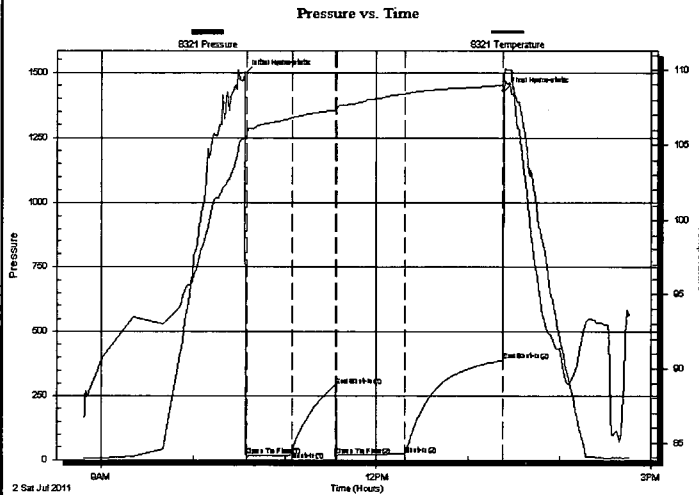
**AC Pulliam #2-16**  
**16-19s-10w Rice,KS**  
 Job Ticket: 44178      DST#: 1  
 Test Start: 2011.07.02 @ 08:49:01

## GENERAL INFORMATION:

Formation: **Lansing-G**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 10:35:01  
 Time Test Ended: 14:48:01  
 Interval: **3045.00 ft (KB) To 3066.00 ft (KB) (TVD)**  
 Total Depth: 3066.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole  
 Tester: Jeff Brown  
 Unit No: 44  
 Reference Elevations: 1773.00 ft (KB)  
 1765.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 8321 Inside**  
 Press@RunDepth: 23.61 psig @ 3048.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.07.02 End Date: 2011.07.02 Last Calib.: 2011.07.02  
 Start Time: 08:49:02 End Time: 14:47:01 Time On Btm: 2011.07.02 @ 10:34:01  
 Time Off Btm: 2011.07.02 @ 13:23:31

TEST COMMENT: IFF-Strong blow BOB in 2 1/2 min  
 ISI-Dead no blow back  
 FFF-Strong blow BOB in 2 1/2 min  
 FSI-Dead no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1496.06	105.60	Initial Hydro-static
1	16.23	105.84	Open To Flow (1)
31	32.60	106.82	Shut-In(1)
59	291.76	107.32	End Shut-In(1)
60	17.76	107.41	Open To Flow (2)
105	23.61	108.41	Shut-In(2)
169	389.75	108.97	End Shut-In(2)
170	1428.91	109.44	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	VSOQM 2%O98%M	0.28
0.00	1146 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  
PO Box 399  
Garden City, KS 67846  
  
ATTN: Cecil O Brate

**AC Pulliam #2-16**  
**16-19s-10w Rice,KS**  
Job Ticket: 44178      **DST#: 1**  
Test Start: 2011.07.02 @ 08:49:01

**Tool Information**

Drill Pipe:	Length: 3049.00 ft	Diameter: 3.80 inches	Volume: 42.77 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 44000.00 lb
		<b>Total Volume:</b>	<b>42.77 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3045.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	41.00 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			3026.00	
Shut In Tool	5.00			3031.00	
Hydraulic tool	5.00			3036.00	
Packer	4.00			3040.00	20.00      Bottom Of Top Packer
Packer	5.00			3045.00	
Stubb	1.00			3046.00	
Perforations	2.00			3048.00	
Recorder	0.00	8321	Inside	3048.00	
Recorder	0.00	8679	Outside	3048.00	
Perforations	15.00			3063.00	
Blank Spacing	3.00			3066.00	21.00      Bottom Packers & Anchor

**Total Tool Length: 41.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

American Warrior Inc

**AC Pulliam #2-16**

PO Box 399  
Garden City, KS 67846

**16-19s-10w Rice,KS**

Job Ticket: 44178      DST#: 1

ATTN: Cecil O Brate

Test Start: 2011.07.02 @ 08:49:01

**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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

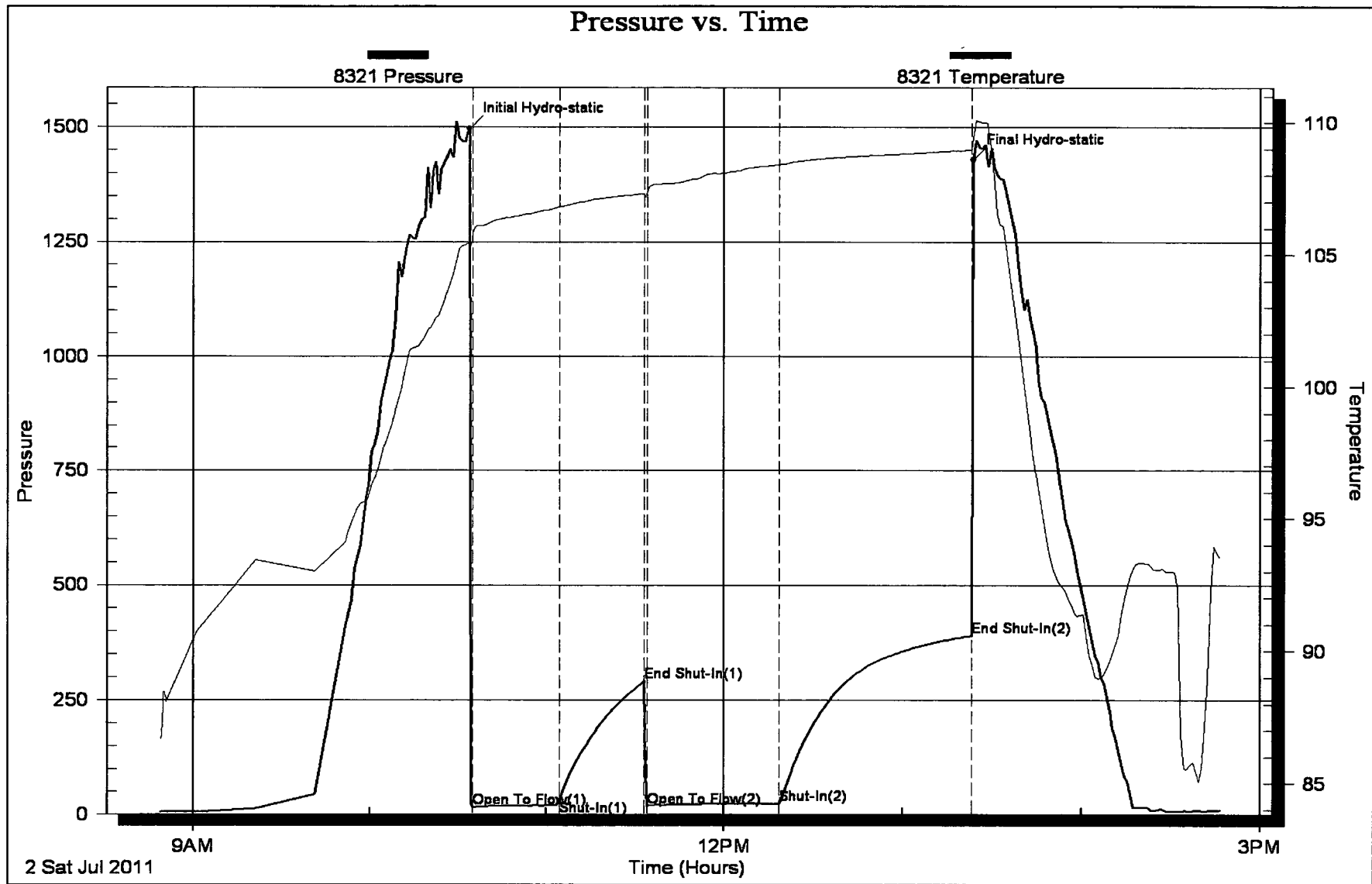
Length ft	Description	Volume bbl
20.00	VSOOM 2%O98%M	0.281
0.00	1146 GIP	0.000

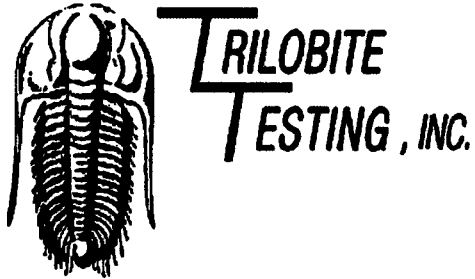
Total Length: 20.00 ft      Total Volume: 0.281 bbl

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

**16-19s-10w Rice,KS**

**AC Pulliam #2-16**

Start Date: 2011.07.03 @ 09:00:31

End Date: 2011.07.03 @ 14:34:01

Job Ticket #: 44179                      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

American Warrior Inc

AC Pulliam #2-16

16-19s-10w Rice,KS

DST # 2

Arbuckle

2011.07.03



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc

**AC Pulliam #2-16**

PO Box 399  
Garden City, KS 67846

**16-19s-10w Rice,KS**

ATTN: Cecil O Brate

Job Ticket: 44179

DST#: 2

Test Start: 2011.07.03 @ 09:00:31

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:40:01

Time Test Ended: 14:34:01

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 44

Interval: **3230.00 ft (KB) To 3326.00 ft (KB) (TVD)**

Total Depth: 3326.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1773.00 ft (KB)

1765.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 8321**

**Inside**

Press@RunDepth: 86.13 psig @ 3303.00 ft (KB)

Start Date: 2011.07.03

End Date:

2011.07.03

Start Time: 09:00:32

End Time:

14:34:01

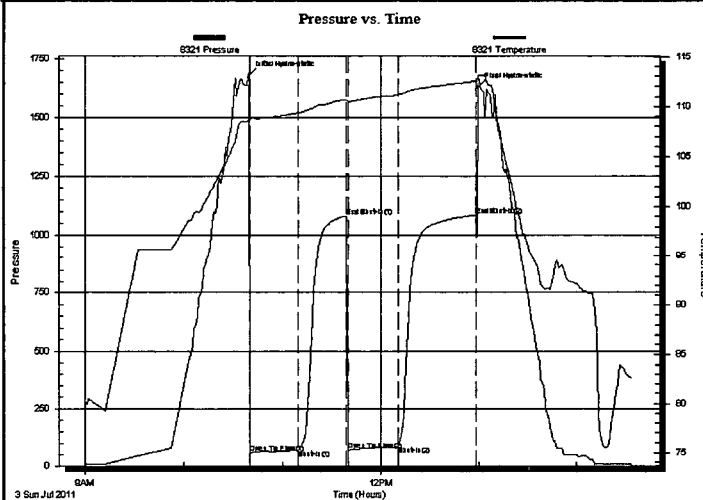
Capacity: 8000.00 psig

Last Calib.: 2011.07.03

Time On Btm: 2011.07.03 @ 10:39:31

Time Off Btm: 2011.07.03 @ 12:59:31

**TEST COMMENT:** IFF-Good blow BOB in 14 1/2 min  
ISI-Dead no blow back  
FFP-Good blow BOB in 5 min  
FSI-Weak blow back built to 3 1/2 in



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1681.34	108.69	Initial Hydro-static
1	58.51	108.73	Open To Flow (1)
30	69.46	109.38	Shut-In(1)
60	1082.93	110.70	End Shut-In(1)
61	69.14	110.51	Open To Flow (2)
91	86.13	111.16	Shut-In(2)
139	1085.91	112.56	End Shut-In(2)
140	1629.27	112.92	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	OCGM 20%O50%G30%M	0.88
27.00	HOCGM 30%O50%G20%M	0.38
0.00	661 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  
 PO Box 399  
 Garden City, KS 67846  
 ATTN: Cecil O Brate

**AC Pulliam #2-16**  
**16-19s-10w Rice,KS**  
 Job Ticket: 44179      **DST#: 2**  
 Test Start: 2011.07.03 @ 09:00:31

### Tool Information

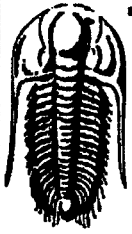
Drill Pipe:	Length: 3237.00 ft	Diameter: 3.80 inches	Volume: 45.41 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 44000.00 lb
		Total Volume: 45.41 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3230.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	96.00 ft			
Tool Length:	116.00 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			3211.00	
Shut In Tool	5.00			3216.00	
Hydraulic tool	5.00			3221.00	
Packer	4.00			3225.00	20.00      Bottom Of Top Packer
Packer	5.00			3230.00	
Stubb	1.00			3231.00	
Perforations	7.00			3238.00	
Change Over Sub	1.00			3239.00	
Drill Pipe	63.00			3302.00	
Change Over Sub	1.00			3303.00	
Recorder	0.00	8321	Inside	3303.00	
Recorder	0.00	8679	Outside	3303.00	
Perforations	20.00			3323.00	
Blank Spacing	3.00			3326.00	96.00      Bottom Packers & Anchor

**Total Tool Length: 116.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**AC Pulliam #2-16**  
**16-19s-10w Rice,KS**  
 Job Ticket: 44179      **DST#: 2**  
 Test Start: 2011.07.03 @ 09:00:31

## 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: 68.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3900.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

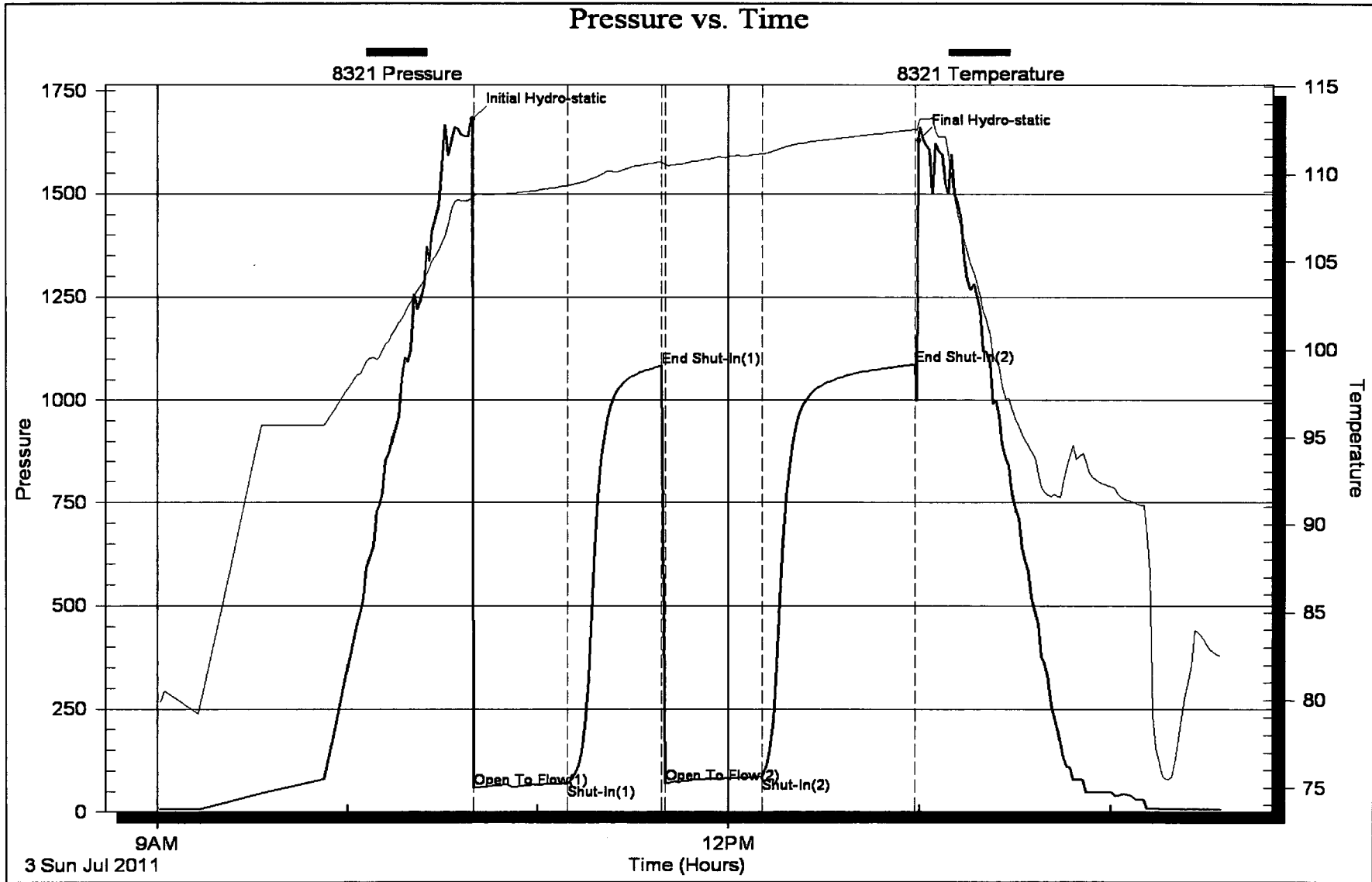
Length ft	Description	Volume bbl
63.00	OCCGM 20%O50%G30%M	0.884
27.00	HOCGM 30%O50%G20%M	0.379
0.00	661 GIP	0.000

Total Length: 90.00 ft      Total Volume: 1.263 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 44178

RECEIVED  
JUL 05 2011  
BY: \_\_\_\_\_

Well Name & No. AC Pulliam #2-1L0 Test No. 1 Date 7-2-11  
 Company American Warrior INC Elevation 1773 KB 1765 GL  
 Address PO Box 399 Garden City KS 67840  
 Co. Rep / Geo. Kurt Talbot Rig Duke #8  
 Location: Sec. 1L0 Twp. 19 S Rge. 10 W Co. Rice State KS

Interval Tested 3045-3060 Zone Tested Lansing-G  
 Anchor Length 21 Drill Pipe Run 3049 Mud Wt. 8.6  
 Top Packer Depth 3040 Drill Collars Run 0 Vis 49  
 Bottom Packer Depth 3045 Wt. Pipe Run 0 WL 8.8  
 Total Depth 3060 Chlorides 2000 ppm System LCM 0

Blow Description IF-Strong Blow BOB IN 2 1/2 min  
IS-Dead No Blow Back  
FF-Strong Blow BOB IN 2 1/2 min  
FS-Dead No Blow Back

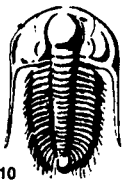
Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>USOCM</u>		<u>2</u>		<u>98</u>
	<u>114L0 CoIP</u>				

Rec Total 20 BHT 109 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 149L0  Test 1125- T-On Location 6:59  
 (B) First Initial Flow 1L0  Jars \_\_\_\_\_ T-Started 8:49  
 (C) First Final Flow 33  Safety Joint \_\_\_\_\_ T-Open 10:35  
 (D) Initial Shut-In 292  Circ Sub \_\_\_\_\_ T-Pulled 13:20  
 (E) Second Initial Flow 18  Hourly Standby \_\_\_\_\_ T-Out 14:48  
 (F) Second Final Flow 24  Mileage 140RT, 190- Comments \_\_\_\_\_  
 (G) Final Shut-In 390  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1429  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 30  Day Standby \_\_\_\_\_ Total 1321-  
 Final Flow 45  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 200 Sub Total 1321-

Approved By \_\_\_\_\_ Our Representative Jeff Brown

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.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
JUL 05 2011

## Test Ticket

NO. 44179

Well Name & No. AC Pulliam #2-1L BY: \_\_\_\_\_ Test No. 2 Date 7-3-11  
 Company American Warrior INC Elevation 1773 KB 1765 GL \_\_\_\_\_  
 Address Po Box 399 Garden City ks 67734  
 Co. Rep / Geo. Kurt Talbott Rig Duke #8  
 Location: Sec. 1L Twp. 19S Rge. 10W Co. Rice State KS

Interval Tested 3230-332L Zone Tested Arbuckle  
 Anchor Length 9L Drill Pipe Run 3237 Mud Wt. 9.1  
 Top Packer Depth 3225 Drill Collars Run 0 Vis 6.8  
 Bottom Packer Depth 3230 Wt. Pipe Run 0 WL 8.8  
 Total Depth 332L Chlorides 3900 ppm System LCM 0

Blow Description FP-GOOD Blow BOB IN 14 1/2 min  
ISI-Dead No Blow Back  
FP-GOOD Blow BOB IN 5 min  
FST-Break Blow Built To 3 1/2 IN

Rec	Feet of	%gas	%oil	%water	%mud
<u>27</u>	<u>HOC Gm</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>0</u>
<u>63</u>	<u>OC Gm</u>	<u>50</u>	<u>20</u>	<u>30</u>	<u>0</u>
	<u>LAL GIP</u>				

Rec Total 90 BHT 113 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic	<u>1L 81</u>	<input checked="" type="checkbox"/> Test	<u>1125</u>	T-On Location	<u>8:2L</u>
(B) First Initial Flow	<u>59</u>	<input type="checkbox"/> Jars		T-Started	<u>9:00</u>
(C) First Final Flow	<u>69</u>	<input type="checkbox"/> Safety Joint		T-Open	<u>10:40</u>
(D) Initial Shut-In	<u>10 83</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>12:55</u>
(E) Second Initial Flow	<u>69</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>14:34</u>
(F) Second Final Flow	<u>8L</u>	<input checked="" type="checkbox"/> Mileage	<u>140 RT 196</u>	Comments	
(G) Final Shut-In	<u>10 8L</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>1L 27</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 45

Shale Packer  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility

Sub Total 1321

Sub Total 1321

Approved By \_\_\_\_\_ Our Representative Jeff Brown

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.