

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

CONFIDENTIAL

3/21/14
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: Kevin Wiles SR
Phone: (620) 275-2963
CONTRACTOR: License # 5929
Name: Duke drilling co.
Wellsite Geologist: James Musgrove
Purchaser: NCRA

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 #:

1-12-12 1-17-12 3-15-12
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 159-22,678-00-00
Spot Description: NW. Sec 5-18s-10w
NE SW SE NW Sec. 5 Twp. 18 S. R. 10 East West
2,276 Feet from North / South Line of Section
1,725 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Rice
Lease Name: Volkland Well #: 12-5
Field Name: Bloomer
Producing Formation: Arbuckle
Elevation: Ground: 1781 Kelly Bushing: 1789
Total Depth: 3320 Plug Back Total Depth: 3293
Amount of Surface Pipe Set and Cemented at: 356 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: 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. S. R. 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 4075, 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: [Signature]
Title: Production Supt. Date: 3-19-12

KCC Office Use ONLY
 Letter of Confidentiality Received
Date: 3/21/12 - 3/21/14
 Confidential Release Date:
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: [Signature] Date: 3-26-12

Operator Name: American Warrior INC Lease Name: Volkland Well #: 12-5
 Sec. 5 Twp. 18 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 checked="" type="checkbox"/> Yes <input 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: DI, CNPL, Micro	<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>Heebner</td> <td>2791</td> <td>-1005</td> </tr> <tr> <td>Toronto</td> <td>2807</td> <td>-1021</td> </tr> <tr> <td>Douglas</td> <td>2819</td> <td>1033</td> </tr> <tr> <td>Lansing</td> <td>2925</td> <td>-1139</td> </tr> <tr> <td>BKC</td> <td>3200</td> <td>-1414</td> </tr> <tr> <td>Arbuckle</td> <td>3211</td> <td>-1425</td> </tr> </table>	Name	Top	Datum	Heebner	2791	-1005	Toronto	2807	-1021	Douglas	2819	1033	Lansing	2925	-1139	BKC	3200	-1414	Arbuckle	3211	-1425
Name	Top	Datum																				
Heebner	2791	-1005																				
Toronto	2807	-1021																				
Douglas	2819	1033																				
Lansing	2925	-1139																				
BKC	3200	-1414																				
Arbuckle	3211	-1425																				

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#	356	Common	275	3%cc/2%gel
Production	7-7/8"	5-1/2"	14#	3319	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	3212'-3215'	None	same
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TUBING RECORD: Size: <u>2-7/8"</u> Set At: <u>3285'</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 <u>SI</u>
	Water Bbls. <u>SI</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: <u>3212-3215</u>
--	--	--

ALLIED CEMENTING CO., LLC. 042360

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

SERVICE POINT:
Great Bend KS
1-13-12

DATE <u>1-12-12</u>	SEC. <u>5</u>	TWP. <u>18.5</u>	RANGE <u>10W</u>	CALLED OUT	ON LOCATION	JOB START <u>100am</u>	JOB FINISH <u>130am</u>
LEASE <u>Yokland</u>		WELL # <u>12-5</u>		LOCATION <u>Clallm 156-4 Junction</u>		COUNTY <u>Rice</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>				<u>2 1/2 E to R12 1/2 S Enter</u>			

CONTRACTOR Duke Pig #8 OWNER American Warrior

TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 356 CEMENT AMOUNT ORDERED 275 sac Com 3%acc 2%gel
 CASING SIZE 8 5/8 23# DEPTH 356

TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15ft
 PERFS. _____
 DISPLACEMENT Freshwater

EQUIPMENT				
PUMP TRUCK	CEMENTER <u>Bob R.</u>			
#	<u>366</u>	HELPER <u>Dustin C</u>		
BULK TRUCK				
#	<u>482-188</u>	DRIVER <u>Vince P / Kevin W</u>		
BULK TRUCK				
#		DRIVER _____		
HANDLING <u>295x</u>		@ <u>2.25</u>		<u>652.50</u>
MILEAGE <u>295x 22x.11</u>				<u>713.20</u>
TOTAL				<u>6.523.90</u>

REMARKS:
Pipe on bottom break circulation with sig mud,
mix 275 sac Com 3%acc 2%gel
Shut down release plug and displace 21.5
Freshwater and shut in
Cement did Circulate

COMMON	<u>275</u>	@ <u>16.25</u>		<u>4.468.75</u>
POZMIX		@		
GEL	<u>5</u>	@ <u>21.25</u>		<u>106.25</u>
CHLORIDE	<u>10</u>	@ <u>58.20</u>		<u>582.00</u>
ASC		@		

CHARGE TO: American Warrior
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>356</u>			
PUMP TRUCK CHARGE				<u>1125.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>HUM 44</u>	@ <u>7.00</u>		<u>308.00</u>
MANIFOLD		@		
	<u>HUM 44</u>	@ <u>4.00</u>		<u>176.00</u>
TOTAL				<u>1609.00</u>

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PLUG & FLOAT EQUIPMENT

Rubber plug		@ <u>112.00</u>		<u>112.00</u>
		@		
		@		
		@		
TOTAL				<u>112.00</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 Stephens
 SIGNATURE [Signature]
Thank you!

SALES TAX (If Any) _____
 TOTAL CHARGES 8.244.90
70% 20% 2.247.83
 DISCOUNT _____ IF PAID IN 30 DAYS
5.996.57

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ADDRESS American Warrior Inc.
CITY, STATE, ZIP CODE

№ 21177

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>HAYS</u>	WELL/PROJECT NO. <u>12-5</u>	LEASE <u>VOXHLAND</u>	COUNTY/PARISH <u>RICE</u>	STATE <u>KS</u>	CITY	DATE <u>01-18-12</u>	OWNER
2. <u>NESS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO. <u>DUMEDRIG #8</u>	SHIPPED VIA <u>ET</u>	DELIVERED TO <u>156#4</u>	ORDER NO.	
3.	WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Develop</u>	JOB PURPOSE <u>LONGSTRING</u>	WELL PERMIT NO. <u>15-159-22078</u>	WELL LOCATION <u>S5718 R10</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			UM		UM	
575		1			MILEAGE A112	70	mi	6	pd	420.00
578		1			Pump Service	1	EA	1500	.00	1500.00
221		1			Liquor Well	2	EA	25	.00	50.00
281		1			MUD FLUSH	500	gal	1.25		625.00
290		1			D-AIR	2	EA	35	.00	70.00
402		1			CENTRALIZER	6	EA	5 1/2	.00	480.00
423		1			BRUSH	1	EA	250	.00	250.00
406		1			LATCH DOWN RUCK BATTLE	1	EA	250	.00	250.00
407		1			INSIDE FOOTSHOE W/ HANDLE	1	EA	350	.00	350.00

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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 01-18-12 TIME SIGNED 0600

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	4-1 PAGE TOTAL	3935.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				4-2	4870.88
WE UNDERSTOOD AND MET YOUR NEEDS?				TOTAL	8805.88
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TAX	
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO				
<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

Thank You!

01/19/2012 04:22 swi ft services (FAX) P.002/003



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

TICKET CONTINUATION

TICKET No. 21177

CUSTOMER AWZ WELL W-5, VDLKLAND DATE 01-18-12 PAGE 2 OF 2

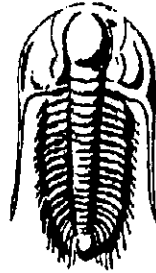
PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	CUBIC FEET		UNIT PRICE		AMOUNT	
		LOC	ACTS	UNIT			QTY	SUM	QTY	UNIT	PRICE	AMOUNT
325		2				SZ1 EA-2	175	54	13	50	2362	50
276		2				FLOCELL	50	43	2	60	100	00
283		2				SALT	250	43	60		170	00
284		2				CAL SEAL	8	54	35	00	280	00
292		2				HALAD 322	105	43	7	25	968	25
581		2				SERVICE CHG. CMT	175	54	2	60	350	00
583		2				DRAYAGE	639.63	79	1	00	639	63
						SERVICE CHARGE						
						TOTAL WEIGHT	LOADED MILES		CUBIC FEET		TON MILES	

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CONTINUATION TOTAL 4870.88

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 2012/03/21 11:02:57 AM
 2102/03/21 11:02:57 AM



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67646

ATTN: Jim Musgrove

Volkland #12-5

5-18s-10w Rice,KS

Start Date: 2012.01.17 @ 03:51:44

End Date: 2012.01.17 @ 09:54:14

Job Ticket #: 46409 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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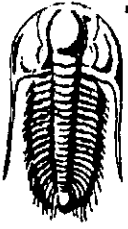
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Printed: 2012.01.18 @ 16:40:51

American Warrior Inc. 5-18s-10w Rice,KS Volkland #12-5 DST # 1 Arbuckle 2012.01.17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc.
PO Box 399
Garden City, KS 67646
ATTN: Jim Musgrove

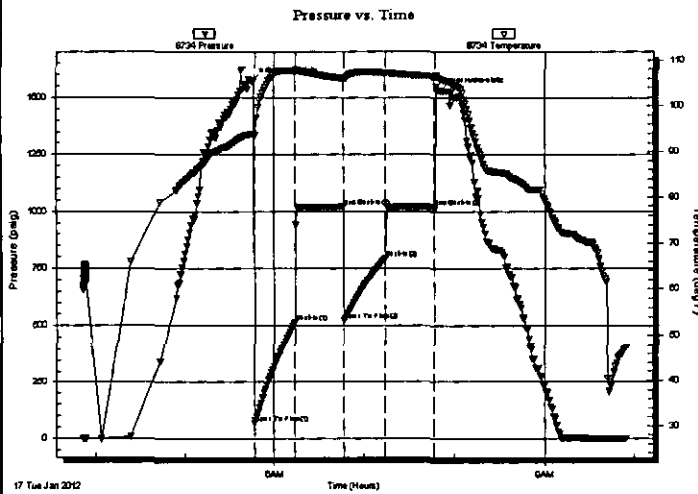
5-18s-10w Rice, KS
Volkland #12-5
Job Ticket: 46409 DST#: 1
Test Start: 2012.01.17 @ 03:51:44

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:46:44
 Time Test Ended: 09:54:14
 Interval: **3174.00 ft (KB) To 3220.00 ft (KB) (TVD)**
 Total Depth: 3220.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brian Fairbank
 Unit No: 41
 Reference Elevations: 1789.00 ft (KB)
 1781.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8734 Outside
 Press@RunDepth: 791.50 psig @ 3179.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.17 End Date: 2012.01.17 Last Calib.: 2012.01.17
 Start Time: 03:51:45 End Time: 09:54:14 Time On Btm: 2012.01.17 @ 05:45:14
 Time Off Btm: 2012.01.17 @ 07:50:14

TEST COMMENT: IFP - BOB 75 sec
 ISI - no blow back
 FFP - BOB 1 1/2 min
 FSI - no blow back



PRESSURE SUMMARY

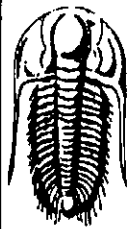
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1571.33	93.80	Initial Hydro-static
2	67.19	93.41	Open To Flow (1)
29	513.98	107.61	Shut-In(1)
61	1019.88	106.00	End Shut-In(1)
62	520.99	105.91	Open To Flow (2)
89	791.50	107.21	Shut-In(2)
122	1020.39	106.42	End Shut-In(2)
125	1531.19	105.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
805.00	MW 95%W, 5%M	11.29
434.00	SO & MCW 5%O, 90%W, 5%M	6.09
495.00	OCMW 10%O, 50%W, 40%M	6.94
1.00	FREE OIL TSTM	0.01

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 67646

ATTN: Jim Musgrove

5-18s-10w Rice, KS

Volkland #12-5

Job Ticket: 46409

DST#: 1

Test Start: 2012.01.17 @ 03:51:44

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 05:46:44

Time Test Ended: 09:54:14

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

Tester: **Brian Fairbank**

Unit No: **41**

Interval: **3174.00 ft (KB) To 3220.00 ft (KB) (TVD)**

Total Depth: **3220.00 ft (KB) (TVD)**

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

Reference Elevations: **1789.00 ft (KB)**

1781.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: **6669**

Inside

Press@RunDepth: **psig @ 3179.00 ft (KB)**

Start Date: **2012.01.17**

End Date:

2012.01.17

Start Time: **03:51:15**

End Time:

09:54:14

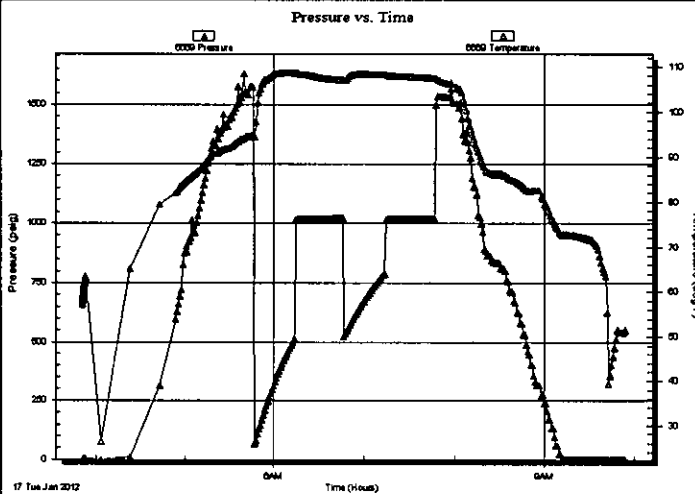
Capacity: **8000.00 psig**

Last Calib.: **2012.01.17**

Time On Btrm

Time Off Btrm

TEST COMMENT: IFP - BOB 75 sec
ISI - no blow back
FFP - BOB 1 1/2 min
FSI - no blow back



PRESSURE SUMMARY

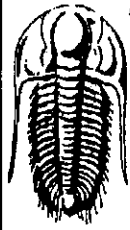
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
805.00	MV 95%W, 5%M	11.29
434.00	SO & MCW 5%O, 90%W, 5%M	6.09
495.00	OCMV 10%O, 50%W, 40%M	6.94
1.00	FREE OIL TSTM	0.01

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 67646

ATTN: Jim Musgrove

5-18s-10w Rice, KS
Volkland #12-5
Job Ticket: 46409 DST#: 1
Test Start: 2012.01.17 @ 03:51:44

Tool Information

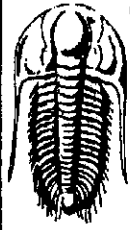
Drill Pipe:	Length: 3176.00 ft	Diameter: 3.80 inches	Volume: 44.55 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 44.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3174.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	66.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3159.00	
Hydraulic tool	5.00			3164.00	
Packer	5.00			3169.00	20.00 Bottom Of Top Packer
Packer	5.00			3174.00	
Stubb	1.00			3175.00	
Perforations	3.00			3178.00	
Change Over Sub	1.00			3179.00	
Recorder	0.00	6669	Inside	3179.00	
Recorder	0.00	8734	Outside	3179.00	
Blank Spacing	32.00			3211.00	
Change Over Sub	1.00			3212.00	
Perforations	5.00			3217.00	
Bullnose	3.00			3220.00	46.00 Bottom Packers & Anchor

Total Tool Length: 66.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.
PO Box 399
Garden City, KS 67646

ATTN: Jim Musgrove

5-18s-10w Rice, KS
Volkland #12-5
Job Ticket: 46409 **DST#: 1**
Test Start: 2012.01.17 @ 03:51:44

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:	28000 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3800.00 ppm			
Filter Cake: inches			

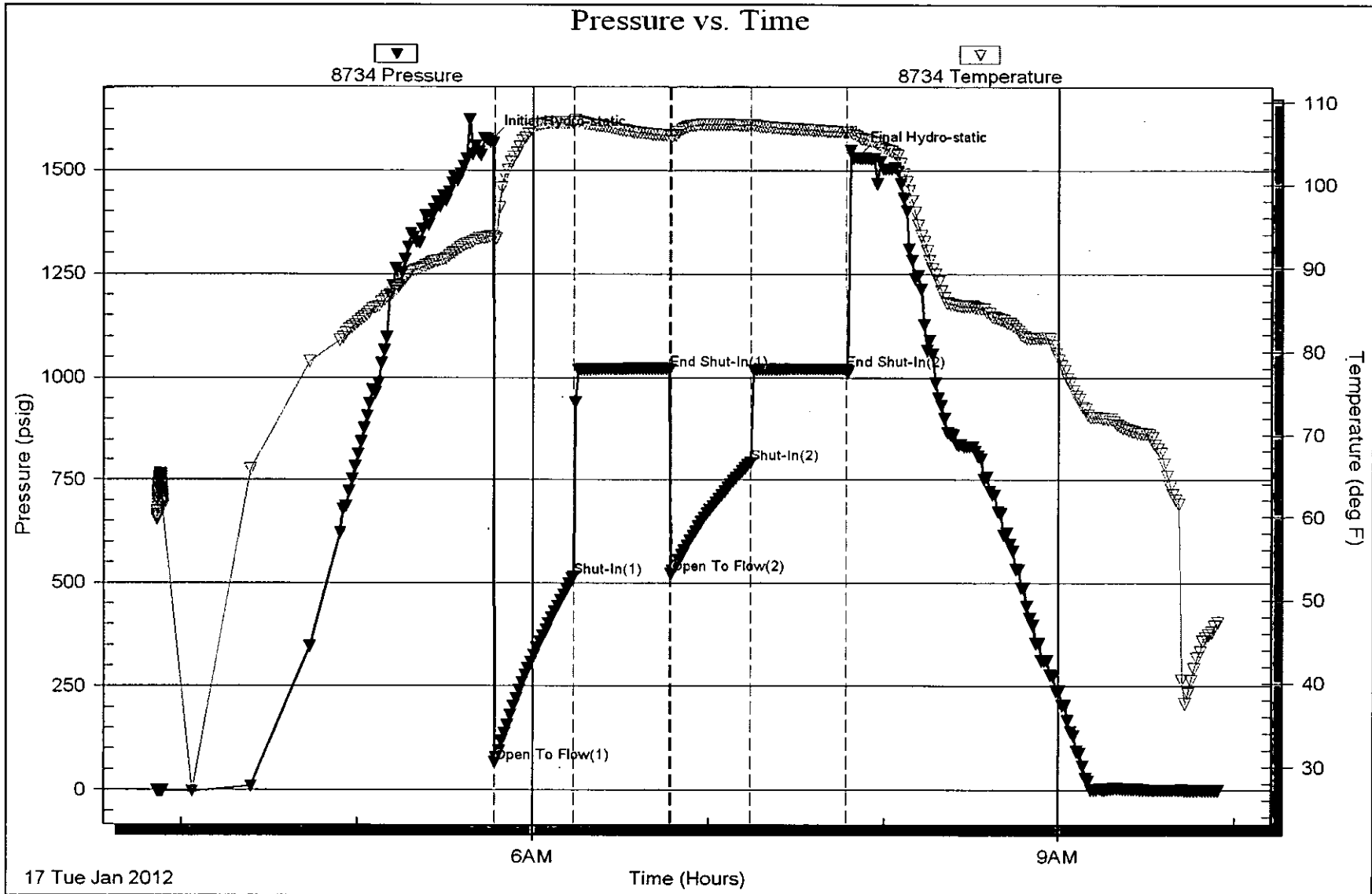
Recovery Information

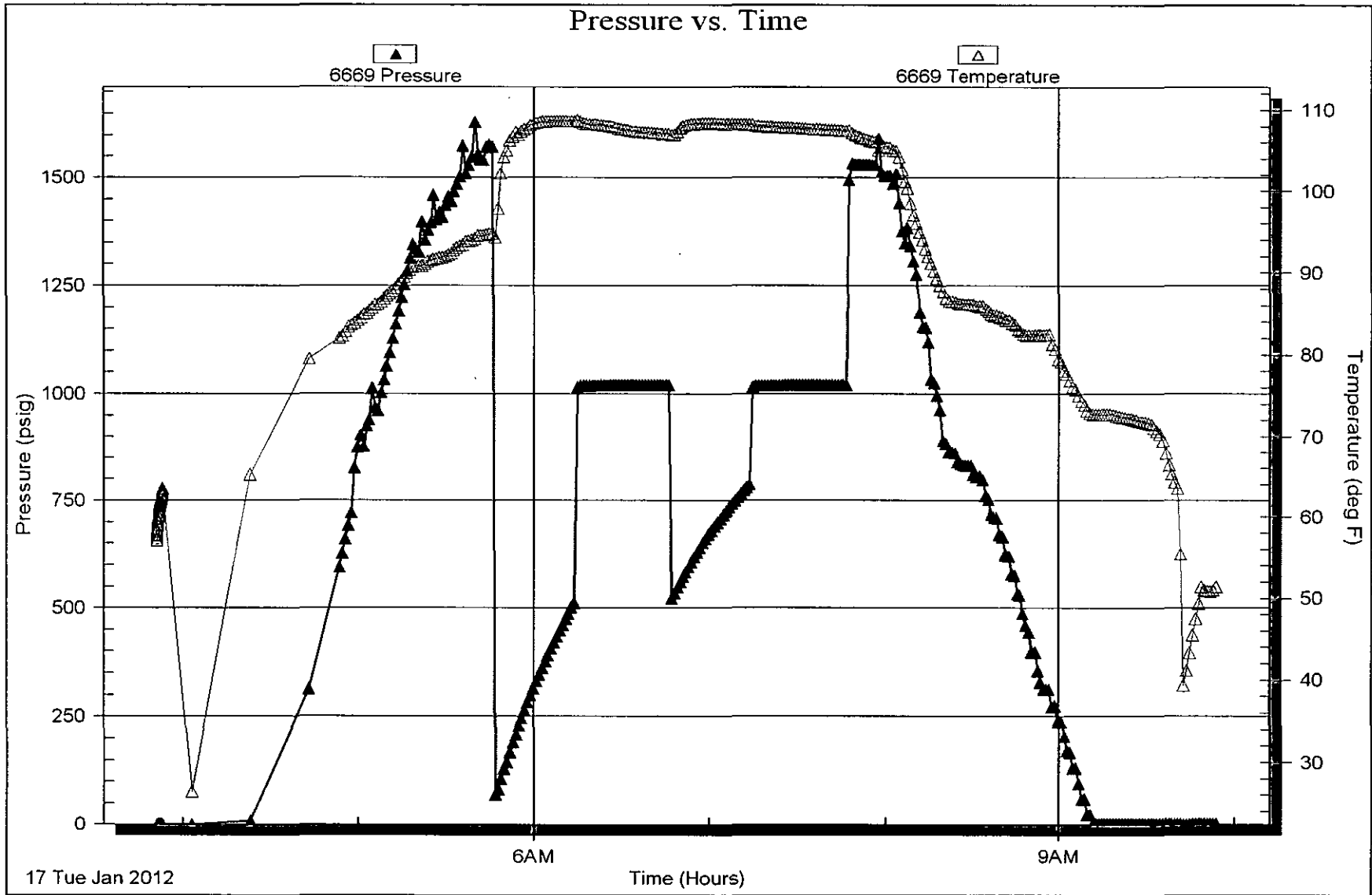
Recovery Table

Length ft	Description	Volume bbl
805.00	MW 95%W, 5%M	11.292
434.00	SO & MCW 5%O, 90%W, 5%M	6.088
495.00	OCMW 10%O, 50%W, 40%M	6.944
1.00	FREE OIL TSTM	0.014

Total Length: 1735.00 ft Total Volume: 24.338 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

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JAN 18 2012

Test Ticket

NO. 46409

BY: _____

Well Name & No. <u>Volkland 12-5</u>	Test No. <u>1</u>	Date <u>1-17-12</u>
Company <u>Am Warrior</u>	Elevation <u>1789</u>	KB <u>1781</u> GL
Address <u>3118 Cummings Rd PO Box 399 Garden City, KS 67646</u>		
Co. Rep / Geo. <u>Jim Musgrave</u>	Rig <u>Dike 8</u>	
Location: Sec. <u>5</u> Twp. <u>18</u> Rge. <u>10</u>	Co. <u>Rice</u>	State <u>Ks</u>

Interval Tested <u>3174 - 3220</u>	Zone Tested <u>Archie</u>	
Anchor Length <u>46</u>	Drill Pipe Run <u>3176</u>	Mud Wt. <u>8.9</u>
Top Packer Depth <u>3169</u>	Drill Collars Run <u>—</u>	Vis <u>57</u>
Bottom Packer Depth <u>3174</u>	Wt. Pipe Run <u>—</u>	WL <u>7.2</u>
Total Depth <u>3220</u>	Chlorides <u>3800</u> ppm System	LCM
Blow Description <u>DFP - BOB 75 sec</u> <u>ISI - no blow back</u> <u>FFP - BOB 1 1/2 min</u> <u>FSI -</u>		

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Free oil</u>	<u>TSTM</u>		<u>0</u>	
<u>495</u>	<u>OC MW</u>	<u>10</u>	<u>50</u>	<u>40</u>	
<u>434</u>	<u>SO*MCW</u>	<u>5</u>	<u>90</u>	<u>5</u>	
<u>805</u>	<u>MW</u>		<u>95</u>	<u>5</u>	

Rec Total <u>1735</u>	BHT <u>106</u>	Gravity <u>TSTM API RW .244 @ 73</u>	F Chlorides <u>28,000</u> ppm
(A) Initial Hydrostatic <u>1571</u>	<input checked="" type="checkbox"/> Test <u>1125</u>	T-On Location <u>0008</u>	
(B) First Initial Flow <u>67</u>	<input type="checkbox"/> Jars	T-Started <u>0351</u>	
(C) First Final Flow <u>514</u>	<input type="checkbox"/> Safety Joint	T-Open <u>0546</u>	
(D) Initial Shut-In <u>1020</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0746</u>	
(E) Second Initial Flow <u>521</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0955</u>	
(F) Second Final Flow <u>1020 792</u>	<input checked="" type="checkbox"/> Mileage <u>130 RT 190.40</u>	Comments	
(G) Final Shut-In <u>1020</u>	<input type="checkbox"/> Sampler		
(H) Final Hydrostatic <u>1531</u>	<input type="checkbox"/> Straddle		
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer	RECEIVED
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer	MAR 21 2012
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies	KCC WICHITA
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>	Total 1315.40
	<input type="checkbox"/> Accessibility	Total <u>1315.40</u>	MP/DST Disc't
	Sub Total <u>1315.40</u>		

Approved By _____

Our Representative Brian Farbank

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.