



WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

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

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

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

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_- Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

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.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input 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:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# ALLIED OIL & GAS SERVICES, LLC 059227

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
Cross Roads  
1-1-13

DATE <u>1-1-13</u>	SEC <u>9B</u>	TWP <u>19S</u>	RANGE <u>09W</u>	CALLED OUT	ON LOCATION <u>6:00 AM</u>	JOB START <u>7:00 AM</u>	JOB FINISH <u>7:00 AM</u>
LEASE <u>Buckley 2611</u>	WELL # <u>1-18</u>	LOCATION <u>Chase N rd Rd D</u>			COUNTY <u>Rice</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (Circle one)				In <u>1/2 N E 1/4</u>		<u>2-01</u>	<u>7.9</u>

CONTRACTOR Duke Dalling #8 OWNER \_\_\_\_\_

TYPE OF JOB 94c Well

HOLE SIZE 12 1/4 T.D. \_\_\_\_\_

CASING SIZE 6 5/8 DEPTH 326.25

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

DRILL PIPE 4 1/2 DEPTH \_\_\_\_\_

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

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

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

CEMENT LEFT IN CSG. 15 FT

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

DISPLACEMENT 19.62 bbls

EQUIPMENT \_\_\_\_\_

CEMENT

AMOUNT ORDERED 225 sks class A

34 cc Zingel

COMMON	<u>225</u>	@	<u>17.90</u>	<u>4027.50</u>
POZMIX		@		
GEL	<u>4</u>	@	<u>23.40</u>	<u>93.60</u>
CHLORIDE	<u>8</u>	@	<u>64.00</u>	<u>512.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>243.20</u>	@	<u>2.48</u>	<u>603.20</u>
MILEAGE	<u>11.1 x 25 x</u>		<u>2.60</u>	<u>291.50</u>
				<u>5,957.20</u>

PUMP TRUCK CEMENTER Dustin Chambers

# 366 HELPER Josh Isaac

BULK TRUCK

# 314170 DRIVER Kevin Weiglow

BULK TRUCK

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

REMARKS:

Break circulation with 200 bbls

plug 5 bbls Freshwater ahead

with 225 sks class A 34 cc Zingel

plug down & Release plug

Displace = 19.62 bbls Freshwater

behind D/I circulation

plug down 2:45 AM 1-1-13

plug down 84 water 7:00

CHARGE TO: American Warrior Eng.

STREET \_\_\_\_\_

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

277.5

SERVICE

DEPTH OF JOB 326

PUMP TRUCK CHARGE 1529.25

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE NUM 25 @ 7.70 192.50

MANIFOLD @ \_\_\_\_\_

LUM 25 @ 4.40 110.00

TOTAL 1,814.25

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

SALES TAX (if Any) 338.21

TOTAL CHARGES 7,772.25

DISCOUNT 25% 1,943.20 IF PAID IN 30 DAYS

5,829.05

To: Allied Oil & Gas Services, LLC.

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

PRINTED NAME Y Stoch Stephens

SIGNATURE Y Stoch Stephens

Thank You!

**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.  
Buckley-Doll #1-18  
2530' FNL & 807' FWL  
Section 18-19s-9w  
Rice County, Kansas  
Page 1

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

**Contractor:** Duke Drilling Co. (Rig #8)  
**Commenced:** January 2, 2013  
**Completed:** January 9, 2013  
**Elevation:** 1748' K.B; 1746' D.F; 1740' G.L.  
**Casing program:** Surface; 8 5/8" @ 326'  
Production; 5 1/2" @ 3383'  
**Sample:** Samples saved and examined 2600' to the Rotary Total Depth.  
**Drilling time:** One (1) foot drilling time recorded and kept 2600 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 Co.  
**Electric Log:** By Pioneer Energy Services; Dual Induction, Compensated Neutron/Density and Microlog.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	399	+1349
Base Anhydrite	413	+1335
Heebner	2776	-1028
Toronto	2798	-1050
Douglas	2809	-1061
Douglas Sand	2810	-1062
Brown Lime	2901	-1153
Lansing	2931	-1183
Base Kansas City	3217	-1469
Conglomerate	3229	-1481
Arbuckle	3267	-1519
Rotary Total Depth	3384	-1636
Log Total Depth	3366	-1618

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

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

**TORONTO SECTION**

2798-2808' Limestone; gray, brown, finely crystalline, dolomitic, poor porosity, no shows.

### DOUGLAS SECTION

2809-2823' Sand; gray, grayish green, very fine grained, micaceous, friable, scattered porosity, trace poor light brown stain, show of free oil and no odor in fresh samples.

### LANSING SECTION

2931-2948' Limestone; white, brown, finely crystalline, fossiliferous, chalky, poor porosity, trace poor stain, no free oil and no odor.

2950-2955' Limestone; white, gray, finely crystalline, fossiliferous, chalky, no shows.

2970-2975' Limestone; white/gray, finely crystalline, sub oomoldic, few oolitic, brown stain, trace of free oil and no odor.

2985-3000' Limestone; as above, fair to good odor in fresh samples.

3018-3034' Limestone; gray, white, oomoldic, good oomoldic porosity, trace brown and golden brown stain, show of free oil and fair to good odor in fresh samples.

3071-3079' Limestone; white, gray, finely crystalline, few fossiliferous, chalky, poor visible porosity, questionable stain, no show of free oil and faint to fair odor in fresh samples.

3090-3095' Limestone; white, fossiliferous, oolitic, chalky, trace brown stain, trace of free oil and odor in fresh samples.

3114-3128' Limestone; tan, oomoldic, good oomoldic porosity, trace brown stain, show of free oil and faint odor in fresh samples.

3150-3160' Limestone; white, gray, fossiliferous, oolitic, chalky, scattered porosity, no shows.

3185-3194' Limestone; white, gray, fossiliferous, chalky, questionable stain, no free oil and no odor in fresh samples.

### ARBUCKLE SECTION

3266-3276' Dolomite; tan, brown, finely crystalline, sucrosic in part, poor visible porosity, trace poor stain, weak show of free oil and faint odor in fresh samples.

Drill Stem Test #1 3210-3276'

Times: 30-30-45-45

Blow: Weak

Recovery: 5' oil spotted mud

Pressures: ISIP 216 psi  
FSIP 102 psi  
IFP 17-19 psi  
FFP 18-19 psi  
HSH 1563-1570 psi

3276-3284' Dolomite; tan, brown, finely crystalline, sucrosic, scattered porosity, brown stain, show of free oil and odor in fresh samples.

Drill Stem Test #2 3274-3284'

Times: 30-30-45-45

Blow: Strong

Recovery: 196' gassy oil  
186' slightly mud cut gassy oil  
(10% gas, 85% oil, 5% mud)  
62' gas and mud cut watery oil  
(10% gas, 60% oil, 25% water, 50% mud)

Pressures: ISIP 472 psi  
FSIP 465 psi  
IFP 43-133 psi  
FFP 136-233 psi  
HSH 1630-1534 psi

3284-3300' Dolomite; tan, brown, fine and medium crystalline, fair to good intercrystalline and vuggy porosity, light brown stain, show of free oil and faint odor.

3300-3320' Dolomite; as above, good vuggy porosity, brown and golden brown stain, show of free oil and odor in fresh samples.

3320-3350' Dolomite; as above, plus gray and white, oolitic chert, dolomite, as above, plus tan, finely crystalline, dense, no shows.

3350-3384' Dolomite; gray, white, tan, finely crystalline, sandy, slug white/gray opaque chert, plus iron pyrite.

Rotary Total Depth 3384  
Log Total Depth 3366

**Recommendations:**

5 1/2" production casing was set and cemented on the Buckley-Doll #1-18.

Respectfully submitted;

*James C. Musgrove* & *Wyatt Urban*  
James C. Musgrove and  
Wyatt Urban,  
Petroleum Geologists





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

TICKET  
 N<sup>o</sup> 23034

PAGE 1 OF 2

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

WELL/PROJECT NO. #1-18 LEASE Buckley-Doll COUNTY/PARISH Rice STATE Ks CITY DATE 1-10-13 OWNER Same

TICKET TYPE  SERVICE  SALES CONTRACTOR Duke Drlg #8 RIG NAME/NO. SHIPPED VIA ET DELIVERED TO Location ORDER NO.

WELL TYPE oil WELL CATEGORY development JOB PURPOSE longstring WELL PERMIT NO. WELL LOCATION

REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #111	70		mi		6 <sup>00</sup>	420 <sup>00</sup>
578		1			Pump Charge (Longstring)	1		ea	3384'	1500 <sup>00</sup>	1500 <sup>00</sup>
221		1			KCL	2		gal		25 <sup>00</sup>	50 <sup>00</sup>
281		1			Mud Flush	500		gal		1 <sup>25</sup>	625 <sup>00</sup>
290		1			D-Air	2		gal		35 <sup>00</sup>	70 <sup>00</sup>
402		1			Centralizers	6		ea	5 1/2"	70 <sup>00</sup>	420 <sup>00</sup>
403		1			Basket	1		ea		250 <sup>00</sup>	250 <sup>00</sup>
406		1			LD Plug & Baffle	1		ea		250 <sup>00</sup>	250 <sup>00</sup>
407		1			Insert Float Shoe w/ fill	1		ea		350 <sup>00</sup>	350 <sup>00</sup>

**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 1-10-13 TIME SIGNED 0705  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 3935 <sup>00</sup>
WE UNDERSTOOD AND MET YOUR NEEDS?				page 2 4882 <sup>50</sup>
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal 8827 <sup>50</sup>
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Rice TAX 7.3% 431 <sup>16</sup>
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL 9248 <sup>166</sup>
<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!



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

TICKET CONTINUATION

TICKET No. 23034

CUSTOMER American Warrior Inc WELL #1-18 Buckley-Doll DATE 1-10-73 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT			
		LOC	ACCT	DF											
325		2				Standard Cement	175	sk			13.50	2362	50		
276		2				Flocele	50	#	34	#/sk	2.00	100	00		
283		2				Salt	900	#	10	%	.20	180	00		
284		2				Calseal	8	sk	5	%	35.00	280	00		
282		2				Halad-322	125	#	34	%	7.75	968	75		
581		2				SERVICE CHARGE	175	sk			2.00	350	00		
583		2				MILEAGE CHARGE	TOTAL WEIGHT	18325	LOADED MILES	70	TON MILES	641.25	1.00	641	25

CONTINUATION TOTAL 4882.50



JOB LOG

SWIFT Services, Inc.

DATE 1-10-13 PAGE NO. 1

CUSTOMER American Warrior Inc WELL NO. # 1-18 LEASE Buckley-Dell JOB TYPE Longstring TICKET NO. 23034

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0300							07 loc su/FE
								RTD 3384' 5 1/2" x 14# x 3381' x 23' Cent. 2, 5, 7, 9, 11, 13 Bask 4
	0330							Start FE
	0500							Break Circ.
	0605	2.5	7/4					Plug RH+MH 30/15 sks EA-2
	0615	5	0			200		Start 500 gal Mud flush
	0617	5	12/0			200		Start 20 bbl KCL flush
	0621	5	20/0			200		Start 130 sks EA-2 Cement
	0627		32					End Cement Wash P+L Dr-P+D, Plug
	0630	6	0			200		Start Displacement
	0640	5	58			250		Catch Cement
	0645		82			650/1500		Land Plug Release Pressure Float Held

Thank you  
Nick, David E. &



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399  
Garden City KS 67846

ATTN: Jim Musgrove

### **Buckley-Doll #1-18**

### **18-19s-9w Rice,KS**

Start Date: 2013.01.04 @ 23:35:00

End Date: 2013.01.05 @ 17:33:00

Job Ticket #: 50251                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.01.09 @ 11:56:13



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc.  
PO Box 399  
Garden City KS 67846  
ATTN: Jim Musgrove

**18-19s-9w Rice, KS**  
**Buckley-Doll #1-18**  
Job Ticket: 50251      **DST#: 1**  
Test Start: 2013.01.04 @ 23:35:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 03:05:00  
Time Test Ended: 17:33:00  
Interval: **3210.00 ft (KB) To 3276.00 ft (KB) (TVD)**  
Total Depth: 3276.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Brett Dickinson  
Unit No: 59  
Reference Elevations: 1750.00 ft (KB)  
1742.00 ft (CF)  
KB to GR/CF: 8.00 ft

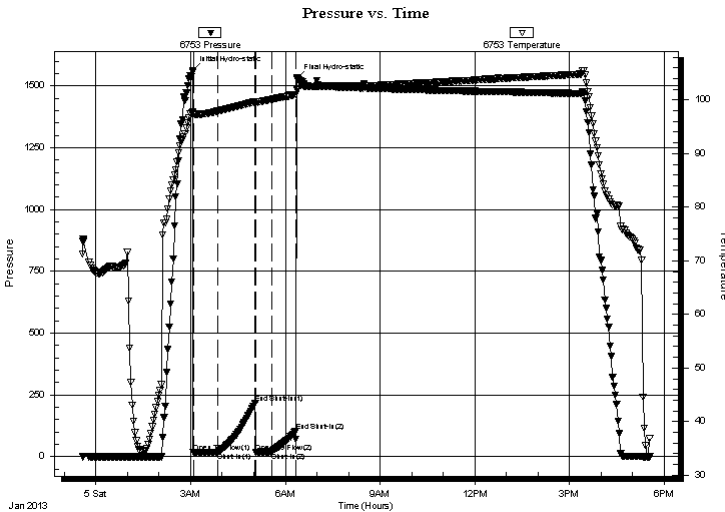
## Serial #: 6753

Inside

Press @ Run Depth: 19.42 psig @ 3211.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.01.04 End Date: 2013.01.05 Last Calib.: 2013.01.05  
Start Time: 23:35:05 End Time: 17:32:59 Time On Btm: 2013.01.05 @ 03:03:30  
Time Off Btm: 2013.01.05 @ 06:22:30

TEST COMMENT: IF-1 3/4" blow died back to 1 1/4" blow  
ISI-No blow  
FF-No blow  
FSI-No blow

## PRESSURE SUMMARY



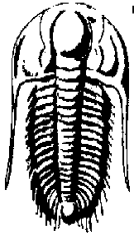
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1562.66	97.60	Initial Hydro-static
2	16.57	97.34	Open To Flow (1)
48	18.79	97.89	Shut-In(1)
119	215.99	99.64	End Shut-In(1)
120	18.46	99.58	Open To Flow (2)
151	19.42	100.10	Shut-In(2)
196	102.22	100.97	End Shut-In(2)
199	1528.52	102.03	Final Hydro-static

## Recovery

## Gas Rates

Length (ft)	Description	Volume (bbl)
5.00	oil spotted mud	0.07

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc.  
PO Box 399  
Garden City KS 67846  
ATTN: Jim Musgrove

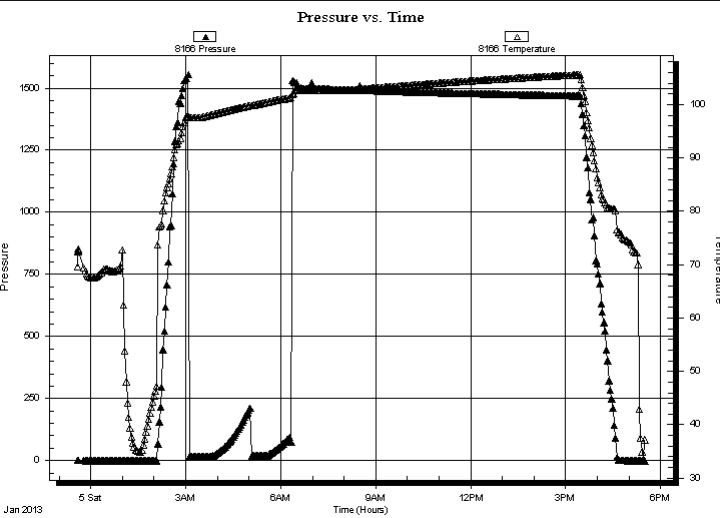
**18-19s-9w Rice, KS**  
**Buckley-Doll #1-18**  
Job Ticket: 50251      **DST#: 1**  
Test Start: 2013.01.04 @ 23:35:00

## GENERAL INFORMATION:

Formation: <b>Arbuckle</b>			
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Initial)	
Time Tool Opened: 03:05:00		Tester: Brett Dickinson	
Time Test Ended: 17:33:00		Unit No: 59	
<b>Interval: 3210.00 ft (KB) To 3276.00 ft (KB) (TVD)</b>		Reference Elevations: 1750.00 ft (KB)	
Total Depth: 3276.00 ft (KB) (TVD)		1742.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 8.00 ft	

<b>Serial #: 8166</b>	<b>Outside</b>				
Press @ RunDepth:	psig @	3211.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2013.01.04	End Date:	2013.01.05	Last Calib.:	2013.01.05
Start Time:	23:35:05	End Time:	17:30:59	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF-1 3/4" blow died back to 1 1/4" blow  
ISI-No blow  
FF-No blow  
FSI-No blow



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

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	oil spotted mud	0.07

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: Jim Musgrove

**18-19s-9w Rice,KS**  
**Buckley-Doll #1-18**  
Job Ticket: 50251      **DST#: 1**  
Test Start: 2013.01.04 @ 23:35:00

**Tool Information**

Drill Pipe:	Length: 3207.00 ft	Diameter: 3.80 inches	Volume: 44.99 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:            ft	Diameter: 2.70 inches	Volume:        - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:        0.00 ft	Diameter: 2.25 inches	Volume:        0.00 bbl	Weight to Pull Loose:	42000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
				String Weight: Initial	42000.00 lb
Drill Pipe Above KB:	18.00 ft			Final	42000.00 lb
Depth to Top Packer:	3210.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	66.00 ft				
Tool Length:	87.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Change Over Sub	1.00			3190.00	
Shut In Tool	5.00			3195.00	
Hydraulic tool	5.00			3200.00	
Packer	5.00			3205.00	21.00      Bottom Of Top Packer
Packer	5.00			3210.00	
Stubb	1.00			3211.00	
Recorder	0.00	6753	Inside	3211.00	
Recorder	0.00	8166	Outside	3211.00	
Perforations	5.00			3216.00	
Change Over Sub	1.00			3217.00	
Drill Pipe	31.00			3248.00	
Change Over Sub	1.00			3249.00	
Perforations	24.00			3273.00	
Bullnose	3.00			3276.00	66.00      Bottom Packers & Anchor

**Total Tool Length:      87.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

American Warrior Inc.  
PO Box 399  
Garden City KS 67846  
ATTN: Jim Musgrove

**18-19s-9w Rice,KS**  
**Buckley-Doll #1-18**  
Job Ticket: 50251      **DST#: 1**  
Test Start: 2013.01.04 @ 23:35:00

**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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4300.00 ppm			
Filter Cake: inches			

**Recovery Information**

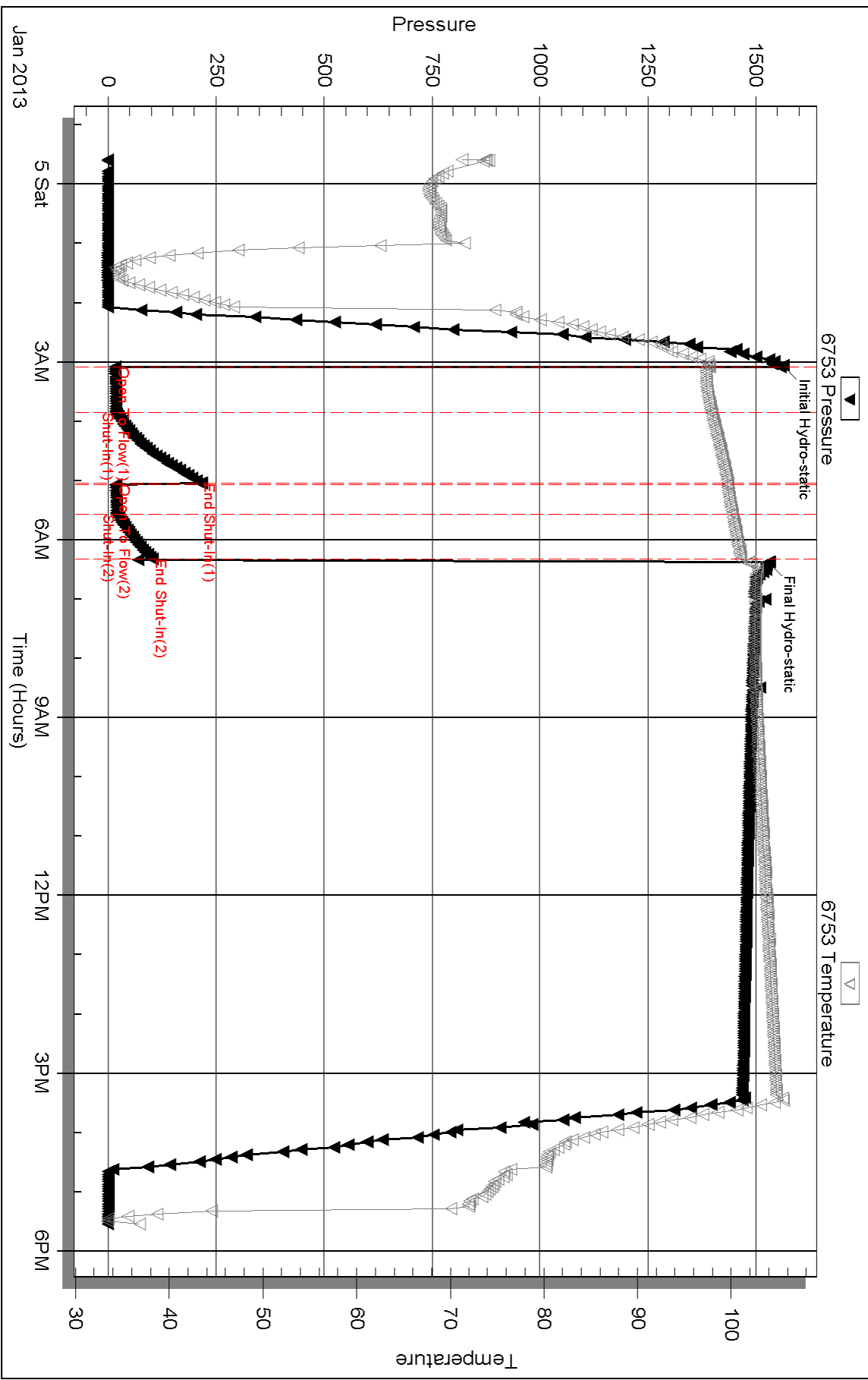
Recovery Table

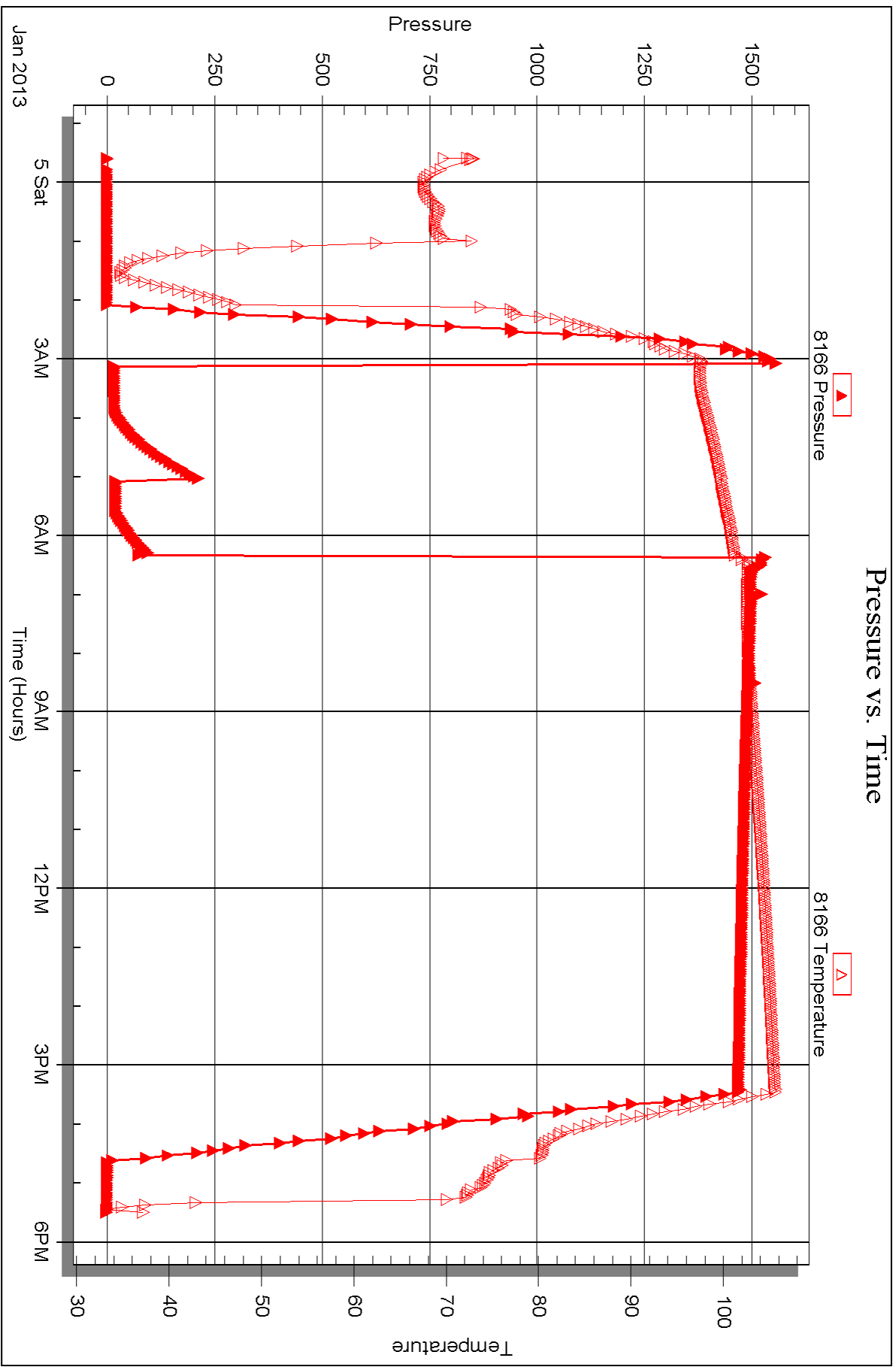
Length ft	Description	Volume bbl
5.00	oil spotted mud	0.070

Total Length: 5.00 ft      Total Volume: 0.070 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:



### Pressure vs. Time







## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399  
Garden City KS 67846

ATTN: Jim Musgrove

### **Buckley-Doll #1-18**

### **18-19s-9w Rice,KS**

Start Date: 2013.01.08 @ 23:17:48

End Date: 2013.01.09 @ 06:54:33

Job Ticket #: 49647                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.01.09 @ 11:54:28



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc.  
 PO Box 399  
 Garden City KS 67846  
 ATTN: Jim Musgrove

**18-19s-9w Rice, KS**  
**Buckley-Doll #1-18**  
 Job Ticket: 49647 **DST#: 2**  
 Test Start: 2013.01.08 @ 23:17:48

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:54:33  
 Time Test Ended: 06:54:33  
 Interval: **3274.00 ft (KB) To 3284.00 ft (KB) (TVD)**  
 Total Depth: 3284.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Leal Cason  
 Unit No: 45  
 Reference Elevations: 1750.00 ft (KB)  
 1742.00 ft (CF)  
 KB to GR/CF: 8.00 ft

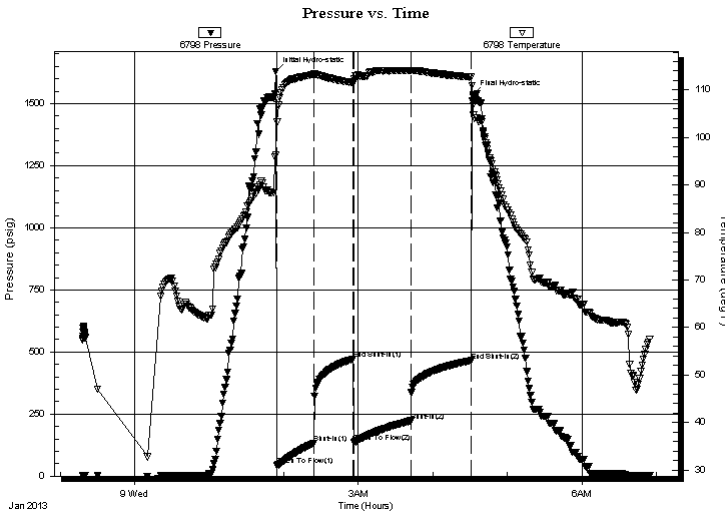
## Serial #: 6798

Inside

Press @ Run Depth: 222.72 psig @ 3275.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.01.08 End Date: 2013.01.09 Last Calib.: 2013.01.09  
 Start Time: 23:17:49 End Time: 06:54:33 Time On Btm: 2013.01.09 @ 01:53:33  
 Time Off Btm: 2013.01.09 @ 04:32:18

TEST COMMENT: IF: Fair Blow , BOB in 14 minutes  
 IS: Weak Surface Blow Back  
 FF: Fair Blow , Built to 7 1/2 inches  
 FS: Weak Surface Blow Back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1630.02	96.30	Initial Hydro-static
1	43.04	103.27	Open To Flow (1)
31	133.32	113.30	Shut-In(1)
63	471.93	111.53	End Shut-In(1)
63	136.00	111.66	Open To Flow (2)
109	222.72	114.10	Shut-In(2)
157	464.94	112.74	End Shut-In(2)
159	1534.52	106.71	Final Hydro-static

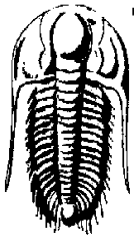
## Recovery

Length (ft)	Description	Volume (bbl)
124.00	Water	1.74
62.00	GMWCO 10%G 5%M 25%W 60% O	0.87
186.00	GMCO 10%G 5%M 85%O	2.61
196.00	Gassy Oil 15%G 85%O	2.75

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE**  
**TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc.

**18-19s-9w Rice, KS**

PO Box 399  
Garden City KS 67846

**Buckley-Doll #1-18**

ATTN: Jim Musgrove

Job Ticket: 49647

**DST#: 2**

Test Start: 2013.01.08 @ 23:17:48

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:54:33

Time Test Ended: 06:54:33

Interval: **3274.00 ft (KB) To 3284.00 ft (KB) (TVD)**

Total Depth: 3284.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Reference Elevations: 1750.00 ft (KB)

1742.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 8367 Outside**

Press @ Run Depth: psig @ 3275.00 ft (KB)

Start Date: 2013.01.08 End Date: 2013.01.09

Capacity: 8000.00 psig

Last Calib.: 2013.01.09

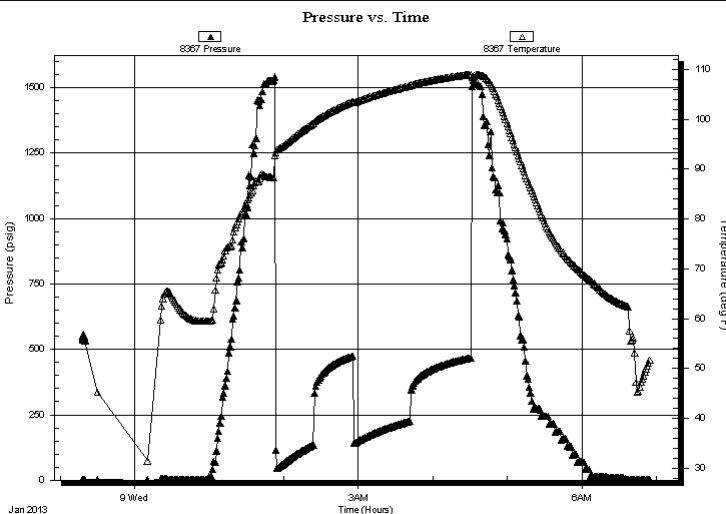
Start Time: 23:17:49 End Time: 06:54:33

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF: Fair Blow, BOB in 14 minutes  
IS: Weak Surface Blow Back  
FF: Fair Blow, Built to 7 1/2 inches  
FS: Weak Surface Blow Back

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	Water	1.74
62.00	GMWCO 10%G 5%M 25%W 60% O	0.87
186.00	GMCO 10%G 5%M 85%O	2.61
196.00	Gassy Oil 15%G 85%O	2.75

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Inc.  
PO Box 399  
Garden City KS 67846  
ATTN: Jim Musgrove

**18-19s-9w Rice,KS**  
**Buckley-Doll #1-18**  
Job Ticket: 49647      **DST#: 2**  
Test Start: 2013.01.08 @ 23:17:48

**Tool Information**

Drill Pipe:	Length: 3270.00 ft	Diameter: 3.80 inches	Volume: 45.87 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length:            ft	Diameter: 2.70 inches	Volume:        - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:        0.00 ft	Diameter: 2.25 inches	Volume:        0.00 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume:</u>	Tool Chased	ft
				String Weight: Initial	42000.00 lb
Drill Pipe Above KB:	16.00 ft			Final	44000.00 lb
Depth to Top Packer:	3274.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 ft				
Tool Length:	30.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Shut In Tool	5.00			3259.00	
Hydraulic tool	5.00			3264.00	
Packer	5.00			3269.00	20.00      Bottom Of Top Packer
Packer	5.00			3274.00	
Stubb	1.00			3275.00	
Recorder	0.00	6798	Inside	3275.00	
Recorder	0.00	8367	Outside	3275.00	
Perforations	6.00			3281.00	
Bullnose	3.00			3284.00	10.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>30.00</b>				





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc.  
PO Box 399  
Garden City KS 67846  
ATTN: Jim Musgrove

**18-19s-9w Rice,KS**  
**Buckley-Doll #1-18**  
Job Ticket: 49647      **DST#: 2**  
Test Start: 2013.01.08 @ 23:17:48

## Mud and Cushion Information

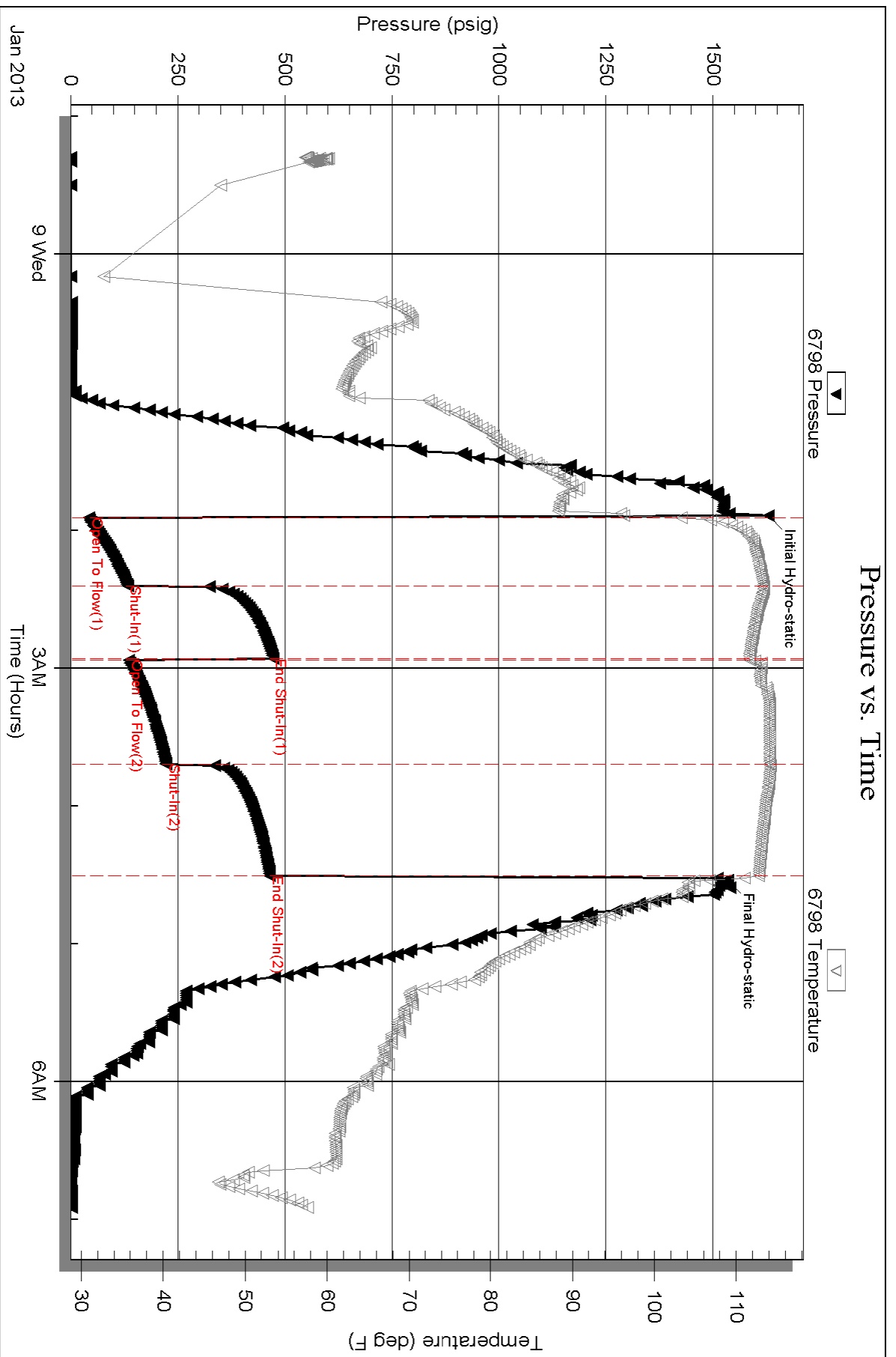
Mud Type: Gel Chem	Cushion Type:	Oil API: 48.4 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 26000 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.77 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 6500.00 ppm		
Filter Cake: 0.02 inches		

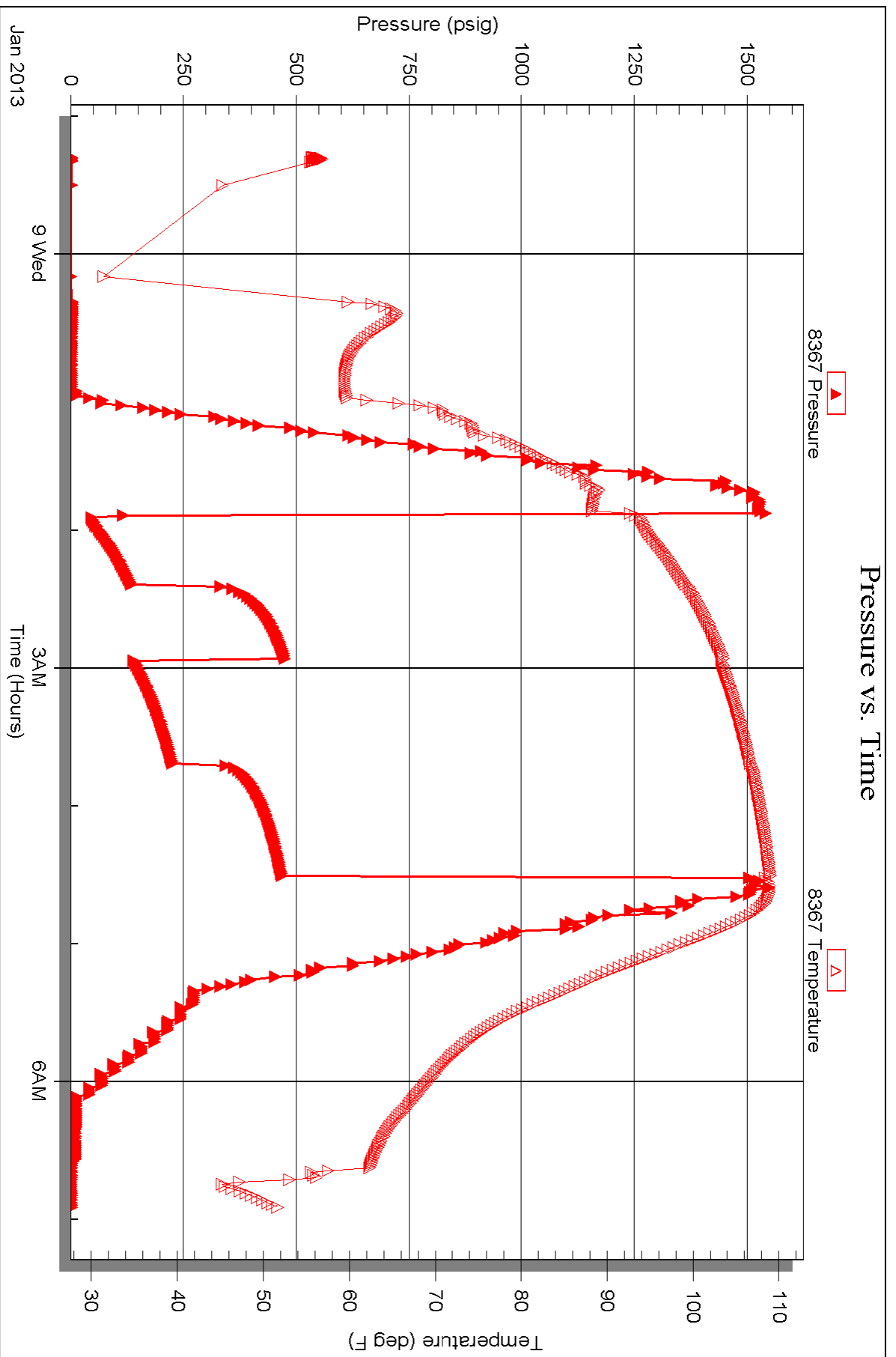
## Recovery Information

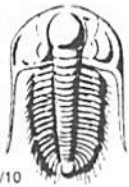
Recovery Table

Length ft	Description	Volume bbl
124.00	Water	1.739
62.00	GMWCO 10%G 5%M 25%W 60% O	0.870
186.00	GMCO 10%G 5%M 85%O	2.609
196.00	Gassy Oil 15%G 85%O	2.749

Total Length: 568.00 ft      Total Volume: 7.967 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: Gravity Was 47.2 @ 48 degrees  
                                  RW was .45 @ 42 degrees







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 50251

4/10

Well Name & No. Buckley-Doll #1-18 Test No. 1 Date 1/4/13  
 Company American Warrior Inc. Elevation 1750 KB 1742 GL  
 Address PO Box 399 Garden City KS 67846  
 Co. Rep / Geo. Wyatt Urban Rig Duke #8  
 Location: Sec. 19 Twp. 19 Rge. 9 Co. Rice State KS

Interval Tested 3210 - 3276 Zone Tested Arb  
 Anchor Length 66 Drill Pipe Run 3207 Mud Wt. 8.9  
 Top Packer Depth 3205 Drill Collars Run — Vis 50  
 Bottom Packer Depth 3210 Wt. Pipe Run — WL 7.2  
 Total Depth 3276 Chlorides 4,300 ppm System LCM —

Blow Description IF - 1 3/4 in blow died back to 1 1/4 in  
ISI - No blow  
FF - No blow  
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>oil spotted mud</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 101 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1563  Test 1150 T-On Location 21:15  
 (B) First Initial Flow 17  Jars \_\_\_\_\_ T-Started 23:35  
 (C) First Final Flow 19  Safety Joint \_\_\_\_\_ T-Open 3:00  
 (D) Initial Shut-In 216  Circ Sub \_\_\_\_\_ T-Pulled 6:15  
 (E) Second Initial Flow 18  Hourly Standby 9 hrs 900 T-Out 17:30 1/5/13  
 (F) Second Final Flow 19  Mileage 170 RT x 2  
 (G) Final Shut-In 102  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1,528  Straddle \_\_\_\_\_

Initial Open 45  Shale Packer \_\_\_\_\_  
 Initial Shut-In 35  Extra Packer \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_  
 Final Shut-In 45  Day Standby \_\_\_\_\_  
 Sub Total 2515  Accessibility \_\_\_\_\_  
 Sub Total 2515  Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 2515  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Brian D...

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

## Test Ticket

NO. 49647

Well Name & No. Buckley - Doll 1-18 Test No. 2 Date 01/08/13  
 Company American warrior inc Elevation 1750 KB 1748 GL  
 Address PO Box 399 Garden City, KS 67846  
 Co. Rep / Geo. Jim Musgrove Rig Duke 8  
 Location: Sec. 18 Twp. 19S Rge. 9W Co. Rice State KS

Interval Tested 3274 - 3284 Zone Tested Arbuckle  
 Anchor Length 10 Drill Pipe Run 3270 Mud Wt. 9.1  
 Top Packer Depth 3269 Drill Collars Run 0 Vis 46  
 Bottom Packer Depth 3274 Wt. Pipe Run 0 WL 8.8  
 Total Depth 3284 Chlorides 6500 ppm System LCM

Blow Description IF: Fair Blow, BOB in 14 minutes  
ISI: weak surface Blow Back  
FF: Fair Blow, Built to 7 1/2 inches  
FSI: weak surface Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>196</u>	<u>Gassy Oil</u>	<u>15</u>	<u>85</u>		
<u>186</u>	<u>GMCO</u>	<u>10</u>	<u>85</u>		<u>5</u>
<u>62</u>	<u><del>GMCO</del> GMWCO</u>	<u>10</u>	<u>60</u>	<u>25</u>	<u>5</u>
<u>124</u>	<u>Water</u>				
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 568 BHT 113 Gravity 47.4 API RW .45 @ 42 °F Chlorides 26000 ppm

(A) Initial Hydrostatic 1630  Test 1150 T-On Location 21:45  
 (B) First Initial Flow 43  Jars \_\_\_\_\_ T-Started 23:17  
 (C) First Final Flow 133  Safety Joint \_\_\_\_\_ T-Open 01:54  
 (D) Initial Shut-In 472  Circ Sub \_\_\_\_\_ T-Pulled 04:30  
 (E) Second Initial Flow 136  Hourly Standby \_\_\_\_\_ T-Out 06:54  
 (F) Second Final Flow 223  Mileage 150 232.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 465  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1534  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Initial Open 30  
 Initial Shut-In 30  
 Final Flow 45  
 Final Shut-In 45  
 Sub Total 0  
 Total 1382.50  
 MP/DST Disc't \_\_\_\_\_  
 Sub Total 1382.50