



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1233140  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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

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
- Plug Back       Conv. to GSW       Conv. to Producer
- 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

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

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

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

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

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

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

Total Vertical 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

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

1233140

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

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

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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

<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> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Neeley-FLB 1-33
Doc ID	1233140

Tops

Name	Top	Datum
Anhy	1875'	+976
B/Anhy	1955'	+896
Heebner	3840'	-989
Lansing	3884'	-1033
B.KC	4382'	-1531
Marmaton	4408'	-1557
Ft.Scott	4519'	-1668
Morrow	4694'	-1843
Mississippian	4703'	-1852







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

TICKET 26563

PAGE 1 OF 2

SERVICE LOCATIONS 1. <b>NESS CITY, KS</b>	WELL/PROJECT NO. <b>1-33</b>	LEASE <b>NEELEY FLB</b>	COUNTY/PARISH <b>FENNEY</b>	STATE <b>Ks</b>	CITY	DATE <b>9-25-14</b>	OWNER <b>SAME</b>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <b>DUKE DRIG # 10</b>	RIG NAME/NO.	SHIPPED VIA <b>CT</b>	DELIVERED TO <b>LOCATION</b>	ORDER NO.	
3.	WELL TYPE <b>OIL</b>	WELL CATEGORY <b>DEVELOPMENT</b>	JOB PURPOSE <b>5 1/2" LONGSTRING</b>	WELL PERMIT NO.	WELL LOCATION <b>NE / GARDEN CITY, KS</b>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE # 114	80		MI		6.00	480.00
578		1			PUMP CHARGE	1		JOB	4943	1500.00	1500.00
221		1			LIQUID KCL	2		GAL		25.00	50.00
281		1			MUDFLUSH	500		GAL		1.25	625.00
402		1			CENTRALIZERS	9		EA	5 1/2"	70.00	630.00
403		1			CEMENT BASKETS	2		EA		300.00	600.00
406		1			LATCH DOWN PLUG - BAFFLE	1		EA		275.00	275.00
407		1			INSERT FLOAT SIDE W/AUTO FILL	1		EA		375.00	375.00
419		1			ROTATING HEAD RENTAL	1		JOB		200.00	200.00

**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  
 DATE SIGNED **9-25-14** TIME SIGNED **1300**  
 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	PAGE TOTAL #1	4735.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				#2	5415.50
WE UNDERSTOOD AND MET YOUR NEEDS?				sub total	10,150.50
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TAX	517.39
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Fenney 7.3%	
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			TOTAL	10,667.89
<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 **WAYNE WILSON**

APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 26563

CUSTOMER: AMERICAN WARRIOR INC. WELL: NEELEY FLB 1-33 DATE: 9-25-14 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF									
325		1				STANDARD CEMENT (EA2)	175	SKS			14.50	2537.50	
276		1				FLOCELE	50	LBS			2.50	125.00	
283		1				SALT	900	LBS			.20	180.00	
284		1				CALSEAL	8	SKS	800	LBS	35.00	280.00	
292		1				HAWS-322	125	LBS			8.00	1000.00	
290		1				D-AZR	5	GAL			42.00	210.00	
581		1				SERVICE CHARGE					2.00	350.00	
583		1				MILEAGE CHARGE					1.00	733.00	
							TOTAL WEIGHT	18325		LOADED MILES	80		
							CUBIC FEET	175		TON MILES	733		

CONTINUATION TOTAL 5415.50

JOB LOG

SWIFT Services, Inc.

DATE 9-25-14 PAGE NO. 1

CUSTOMER AMERICAN WOODROW INC WELL NO. 1-33 LEASE NEELEY FLB JOB TYPE 5 1/2" LONGSTRAWG TICKET NO. 26563

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							ON LOCATION
	1345							START 5 1/2" CASING IN WELL
								TD-4950' SETC 4943 TP-4943' 5 1/2" #15.5 SJ-21 CENTRALISERS-1,3,5,7,9,11,13,15,17 CNT BSRIS-1,8
	1600							DROP BALL - CIRCULATE ROTATE
	1705	6	12		✓		500	PUMP 500 GAL MVA FLUSH
	1707	6	20		✓		500	PUMP 20 BBLs KCL-FLUSH
	1715		7-5					PLUG RH (30SWS) MH(20SWS)
	1730	4	30		✓		250	Mix Cement - 125 SWS EA-2 @ 15.4 PPG
	1740							WASH OUT PUMP - LOWER
	1740							RELEASE LATCH DOWN PLUG
	1745	7	0		✓			DISPLACE PLUG
		7	115				800	
	1805	6	117.1				1500	PLUG DOWN - PSE UP LATCH IN PLUG
	1810						OK	RELEASE PSE - HEAD
								WASH TRUCK
	1900							JOB COMPLETE

THANK YOU  
WAWIE, BUZWE, ISAAC





## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399  
Garden City KS 67846

ATTN: Kevin Timson

### **Neeley FLB 1-33**

#### **33-23s-32w Finney,KS**

Start Date: 2014.09.23 @ 19:15:15

End Date: 2014.09.24 @ 04:12:15

Job Ticket #: 59081                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.09.26 @ 14:41:12



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc  
 PO Box 399  
 Garden City KS 67846  
 ATTN: Kevin Timson

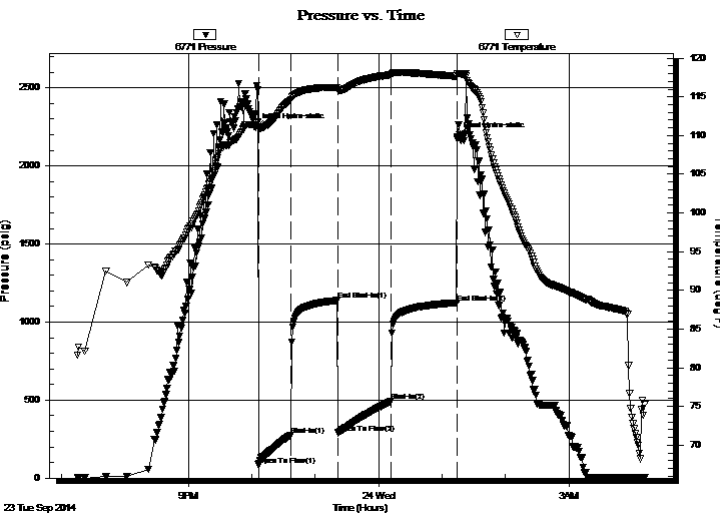
**33-23s-32w Finney, KS**  
**Neeley FLB 1-33**  
 Job Ticket: 59081 **DST#: 1**  
 Test Start: 2014.09.23 @ 19:15:15

## GENERAL INFORMATION:

Formation: **Miss - St. Louis**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 22:06:15 Tester: Shane McBride  
 Time Test Ended: 04:12:15 Unit No: 55  
 Interval: **4770.00 ft (KB) To 4809.00 ft (KB) (TVD)** Reference Elevations: 2851.00 ft (KB)  
 Total Depth: 4809.00 ft (KB) (TVD) 2840.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

**Serial #: 6771 Inside**  
 Press@RunDepth: 493.63 psig @ 4771.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.09.23 End Date: 2014.09.24 Last Calib.: 2014.09.24  
 Start Time: 19:15:15 End Time: 04:12:15 Time On Btm: 2014.09.23 @ 22:03:30  
 Time Off Btm: 2014.09.24 @ 01:14:30

TEST COMMENT: BOB in 7 Min.  
 No Return  
 BOB in 10 Min.  
 No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2245.86	111.38	Initial Hydro-static
3	84.83	110.99	Open To Flow (1)
34	277.25	114.68	Shut-In(1)
78	1138.48	116.22	End Shut-In(1)
78	290.50	115.92	Open To Flow (2)
129	493.63	117.86	Shut-In(2)
191	1122.45	117.67	End Shut-In(2)
191	2185.92	118.01	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
465.00	Water w / oil scum 100% w	4.87
93.00	s m c w 15% m 85% w	1.30
93.00	m c w w / oil scum 50% m 50% w	1.30
93.00	o c m w 30% o 35% m 35% w	1.30
93.00	s m & w c o 10% m 20% w 70% o	1.30
93.00	100% o	1.30

## 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: Kevin Timson

**33-23s-32w Finney,KS**  
**Neeley FLB 1-33**  
Job Ticket: 59081      **DST#: 1**  
Test Start: 2014.09.23 @ 19:15:15

**Tool Information**

Drill Pipe:	Length: 4582.00 ft	Diameter: 3.80 inches	Volume: 64.27 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: 181.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 65.16 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	75000.00 lb
Depth to Top Packer:	4770.00 ft			Final	85000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	39.00 ft				
Tool Length:	67.00 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			4743.00	
Shut In Tool	5.00			4748.00	
Hydraulic tool	5.00			4753.00	
Jars	5.00			4758.00	
Safety Joint	3.00			4761.00	
Packer	5.00			4766.00	28.00      Bottom Of Top Packer
Packer	4.00			4770.00	
Stubb	1.00			4771.00	
Recorder	0.00	6771	Inside	4771.00	
Recorder	0.00	8844	Outside	4771.00	
Perforations	33.00			4804.00	
Bullnose	5.00			4809.00	39.00      Bottom Packers & Anchor

**Total Tool Length: 67.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc  
PO Box 399  
Garden City KS 67846  
ATTN: Kevin Timson

**33-23s-32w Finney,KS**  
**Neeley FLB 1-33**  
Job Ticket: 59081      **DST#: 1**  
Test Start: 2014.09.23 @ 19:15:15

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 30 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 49000 ppm
Viscosity: 73.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.98 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 1600.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
465.00	Water w / oil scum 100% w	4.874
93.00	s m c w 15% m 85% w	1.305
93.00	m c w w / oil scum 50% m 50% w	1.305
93.00	o c m w 30% o 35% m 35% w	1.305
93.00	s m & w c o 10% m 20% w 70% o	1.305
93.00	100% o	1.305

Total Length: 930.00 ft      Total Volume: 6.221 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: RW .148 @ 70\*f= 49000 chlor

Serial #: 6771

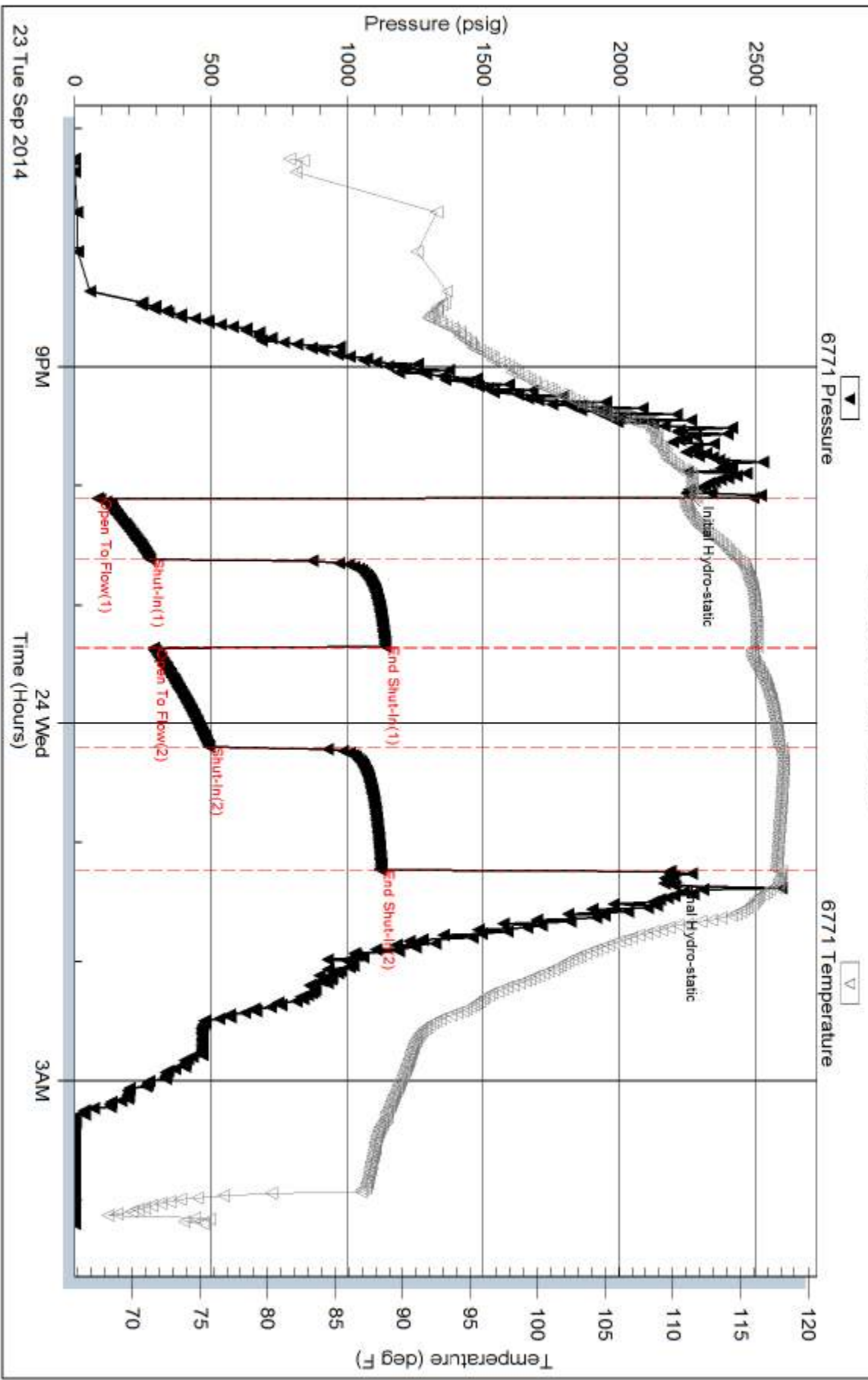
Inside

American Warrior Inc

Neeley FLB 1-33

DST Test Number: 1

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 59081

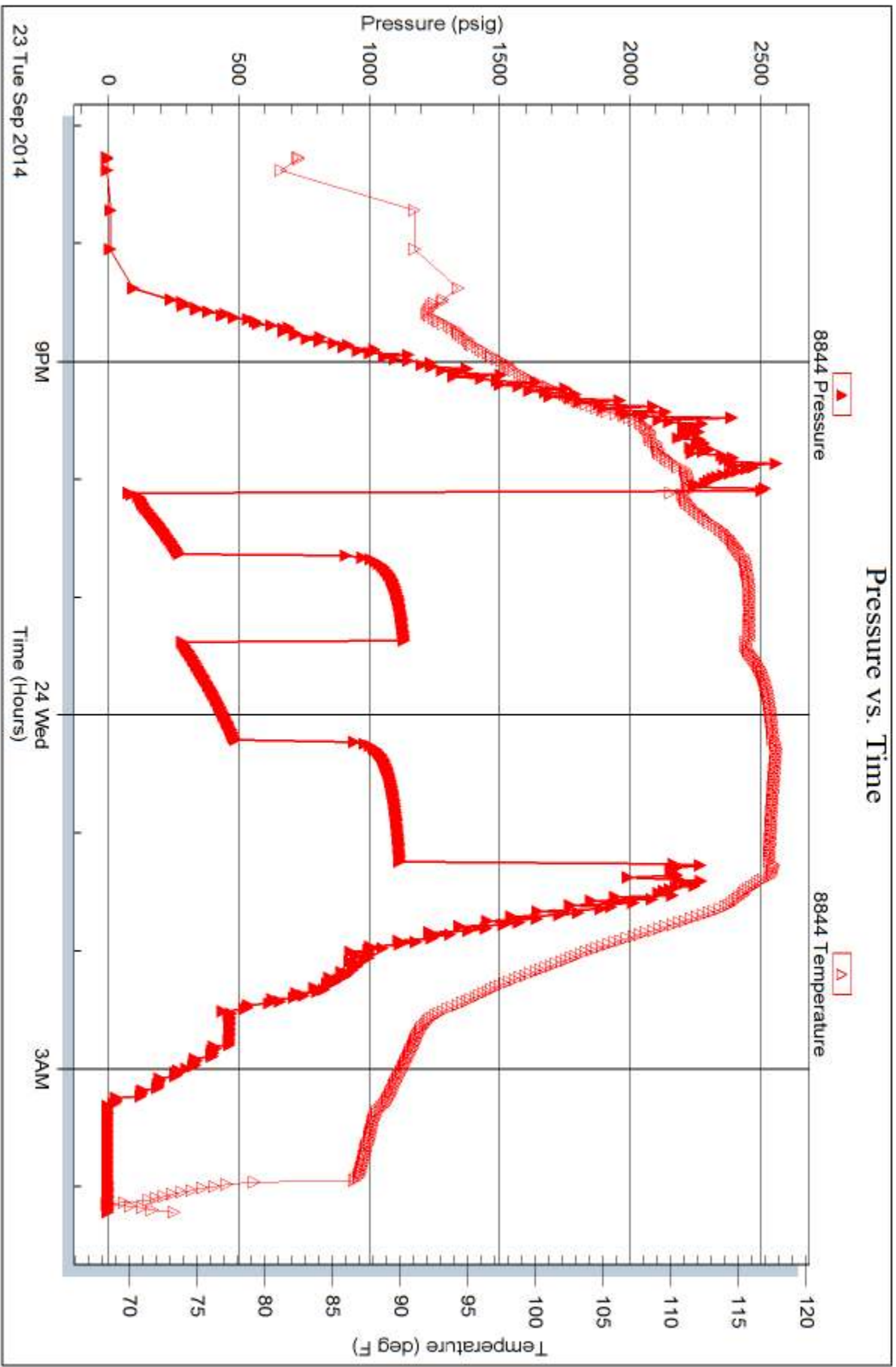
Printed: 2014.09.26 @ 14:41:13

Serial #: 8844

Outside American Warrior Inc

Neeley FLB 1-33

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 59081

Printed: 2014.09.26 @ 14:41:13



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59081

Well Name & No. AWT/Neeley AB#1-33 Test No. 1 Date 9/23/2014  
 Company AMT Elevation 2851 KB 2840 GL  
 Address 3118 Cummings Rd Garden City, KS 67846  
 Co. Rep / Geo. Kevin Timson Rig 10  
 Location: Sec. 33 Twp. 23S Rge. 32W Co. Finney State KS

Interval Tested 4770 - 4809 Zone Tested Miss - St Louis  
 Anchor Length 39' Drill Pipe Run 4582' Mud Wt. 9.2  
 Top Packer Depth 4765 Drill Collars Run 181 Vis 73  
 Bottom Packer Depth 4770 Wt. Pipe Run 0 WL 8.0  
 Total Depth 4809 Chlorides 1600 ppm System LCM 2  
 Blow Description BOB in 7min  
No Return  
BOB in 10min  
No Return

Rec	Feet of	%gas	%oil	%water	%mud
93	X oil		100		
93	SM & WCO		70	20	10
93	OC MW		30	35	35
93	MOW			50	50
93	SMCW			50	50
Rec Total <u>930'</u> BHT <u>117°</u> Gravity <u>300</u> API RW <u>.148 @ 70° F</u> Chlorides <u>49000</u> ppm					

(A) Initial Hydrostatic 2246  Test 1250 T-On Location 1800  
 (B) First Initial Flow 85  Jars 250 T-Started 1915  
 (C) First Final Flow 277  Safety Joint 75 T-Open 2205  
 (D) Initial Shut-In 1138  Circ Sub N/C T-Pulled 0105  
 (E) Second Initial Flow 291  Hourly Standby T-Out 0412  
 (F) Second Final Flow 494  Mileage 70 1/2 217 Comments loaded tools 9/24 pm  
 (G) Final Shut-In 1122  Sampler  
 (H) Final Hydrostatic 2186  Straddle  Ruined Shale Packer  
 Shale Packer  Ruined Packer  
 Extra Packer  Extra Copies  
 Extra Recorder Sub Total 0  
 Day Standby Total 1792  
 Accessibility MPDST Disc't

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 60  
 Sub Total 1792

Approved By \_\_\_\_\_ Our Representative [Signature]  
 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.  
 TRAWLING



# **Geological Report**

American Warrior, Inc.  
**Neeley FLB #1-33**  
403' FNL & 2589' FWL  
Sec. 33, T23s, R32w  
Finney County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Neeley FLB #1-33  
403' FNL & 2589' FWL  
Sec. 33, T23s, R32w  
Finney County, Kansas  
API # 15-055-22321-00-00

Drilling Contractor: Duke Drilling Co. Rig #10

Geologist: Kevin Timson

Spud Date: September 17, 2014

Completion Date: September 25, 2014

Elevation 2840' G.L.  
2851' K.B.

Directions: From Garden City, KS, at the intersection of Mary St. and Jennie Barker St. Go North on Jennie Barker one mile to Rodkey Rd, West half a mile, South into

Casing: 1709' 8 5/8" #24 Surface Casing  
4949' 5 1/2" #15.5 Production Casing

Samples: 3800' to RTD 10' Wet & Dry

Drilling Time: 3750' to RTD

Electric Logs: Pioneer Energy Services "Y. Ruiz"  
Stack-Micro

Drillstem Tests: One-Trilobite Testing "Shane McBride"

Problems: None

## Formation Tops

Neeley FLB #1-33

Sec. 33, T23s, R32w

403' FNL & 2589' FWL

<b>Anhydrite</b>	<b>1875' +976</b>
<b>Base</b>	<b>1955' +896</b>
<b>Heebner</b>	<b>3840' -989</b>
<b>Lansing</b>	<b>3884' -1033</b>
<b>Stark</b>	<b>4246' -1395</b>
<b>Bkc</b>	<b>4382' -1531</b>
<b>Marmaton</b>	<b>4408' -1557</b>
<b>Pawnee</b>	<b>4492' -1641</b>
<b>Fort Scott</b>	<b>4519' -1668</b>
<b>Cherokee</b>	<b>4530' -1679</b>
<b>Morrow</b>	<b>4694' -1843</b>
<b>Miss</b>	<b>4703' -1852</b>
<b>RTD</b>	<b>4950' -2099</b>
<b>LTD</b>	<b>4950' -2099</b>

## Sample Zone Descriptions

**St. Louis** (4703',-1852): Covered in DST #1

Ls. Tan. Sub to medium crystalline. Fair to good oomoldic and oolycastic porosity. Fair stain and fair saturation in porosity. Slight show of free oil when broken. Fair odor. 180 units hotwire.

**Drill Stem Tests**  
 Trilobite Testing  
 “Shane McBride”

**DST #1**

**St. Louis**

Interval (4770’ - 4809’) Anchor Length 39’

IHP	-2246 #	
IFP	- 30” – BOB in 7 min	85-277#
ISI	- 45” – No Return	1138 #
FFP	- 45” – BOB in 10 min	291-494 #
FSIP	- 60” – No Return	1122 #
FHP	- 2186 #	
BHT	- 117° F	

Recovery: 93' Clean Oil                      Gravity: 30  
 93' SM&WCO (70% Oil, 20% Water)  
 93' OCMW (30% Oil, 35% Water)  
 93' MCW (50% Water)  
 93' SMCW (85% Water)  
 465' W

**Structural Comparison**

Formation	American Warrior, Inc.		Amoco Production Co.		Amoco Production Co.
	Neeley FLB #1-33 Sec. 33, T23s, R32w 403' FNL & 2589' FWL		SW Neeley #1 Sec. 33, T23s, R32w C SW NE		FLB 'B' #1 Sec 33, T23s, R32w NE NW
Heebner	3840' -989	+9	3838' -998	-6	3832' -983
Lansing	3884' -1033	+8	3881' -1041	-6	3876' -1027
Stark	4246' -1395	+8	4243' -1403	-6	4238' -1389
BKC	4382' -1531	+6	4377' -1537	-4	4376' -1527
Marmaton	4408' -1557	+7	4403' -1563	-6	4400' -1551
Pawnee	4492' -1641	+2	4483' -1643	-10	4480' -1631
Fort Scott	4519' -1668	+1	4509' -1669	-10	4507' -1658
Cherokee	4530' -1679	FL	4519' -1679	-8	4519' -1671
Morrow	4694' -1843	+10	4693' -1853	+1	4693' -1844
Miss	4703' -1852	+49	4741' -1901	+2	4703' -1854
Break	4777' -1926	NA	NA	+6	4781' -1932

## Summary

The location for the Neeley FLB #1-33 well was found via 3-D seismic survey. The new well ran structurally as expected. One drill stem was conducted, which did recover commercial quantities of oil from the St. Louis Limestone Formation. After all the gathered data had been examined, the decision was made to run 5 1/2" production casing to further evaluate the Neeley FLB #1-33 well.

### Perforations

<b>Primary:</b>	<b>St. Louis</b>	<b>(4779' - 4785')</b>
<b>Before Abandonment:</b>	<b>Marmaton</b>	<b>(4455' - 4465')</b>

Respectfully Submitted,

Kevin Timson  
American Warrior, Inc.

