



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1186036  
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: \_\_\_\_\_

1186036

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> <i>(Submit ACO-4)</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	Filbert 1-24
Doc ID	1186036

Tops

Name	Top	Datum
Anhydrite	1436	729
Heebner	3634	-1459
Lansing	3680	-1505
Base Kansas City	3996	-1881
Pawnee	4080	-1905
Fort Scott	4158	-1983
Cherokee	4177	-2002
Mississippian	4248	-2081
LTD	4267	-2092



## DRILL STEM TEST REPORT

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

3118 Cummings Rd.  
PO Box 399  
Garden City, KS 67846

ATTN: Jason Alm

### **Filbert #1-24**

### **24-18s-22w Ness, KS**

Start Date: 2013.10.17 @ 12:42:00

End Date: 2013.10.17 @ 20:07:30

Job Ticket #: 55760                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.18 @ 09:50:33



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior, Inc.  
 3118 Cummings Rd.  
 PO Box 399  
 Garden City, KS 67846  
 ATTN: Jason Alm

**24-18s-22w Ness, KS**

**Filbert #1-24**

Job Ticket: 55760

**DST#: 1**

Test Start: 2013.10.17 @ 12:42:00

## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 14:35:30  
 Time Test Ended: 20:07:30  
 Interval: **4262.00 ft (KB) To 4268.00 ft (KB) (TVD)**  
 Total Depth: 4268.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Brannan L  
 Unit No: 67  
 Reference Elevations: 2175.00 ft (KB)  
 2169.00 ft (CF)  
 KB to GR/CF: 6.00 ft

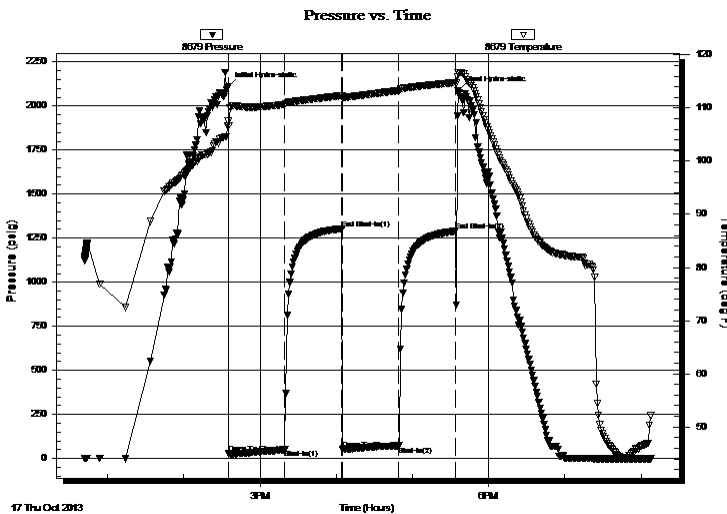
## Serial #: 8679

Inside

Press @ Run Depth: 71.76 psig @ 4264.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.10.17 End Date: 2013.10.17 Last Calib.: 2013.10.17  
 Start Time: 12:42:01 End Time: 20:07:30 Time On Btm: 2013.10.17 @ 14:35:00  
 Time Off Btm: 2013.10.17 @ 17:36:00

TEST COMMENT: 45- IF- Built slow ly to 3"  
 45- IS- No blow  
 45- FF- Built slow ly to 2"  
 45- FS- No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2109.11	107.52	Initial Hydro-static
1	27.40	106.65	Open To Flow (1)
45	49.24	110.66	Shut-In(1)
90	1301.27	112.31	End Shut-In(1)
90	53.84	111.91	Open To Flow (2)
134	71.76	113.26	Shut-In(2)
179	1290.18	114.78	End Shut-In(2)
181	2086.59	116.54	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3.00	O, 100%O	0.01
122.00	O, 10%O 15%M 75%W	0.66

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc.  
3118 Cummings Rd.  
PO Box 399  
Garden City, KS 67846  
ATTN: Jason Alm

**24-18s-22w Ness, KS**

**Filbert #1-24**

Job Ticket: 55760

**DST#: 1**

Test Start: 2013.10.17 @ 12:42:00

## Tool Information

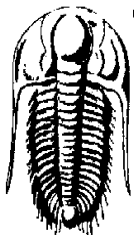
Drill Pipe:	Length: 4127.00 ft	Diameter: 3.75 inches	Volume: 56.38 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	68000.00 lb
			Total Volume: - bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4262.00 ft			Final	63000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	6.00 ft				
Tool Length:	33.00 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			4236.00	
Shut In Tool	5.00			4241.00	
Hydraulic tool	5.00			4246.00	
Jars	5.00			4251.00	
Safety Joint	2.00			4253.00	
Packer	5.00			4258.00	27.00 Bottom Of Top Packer
Packer	4.00			4262.00	
Stubb	1.00			4263.00	
Perforations	1.00			4264.00	
Recorder	0.00	6625	Outside	4264.00	
Recorder	0.00	8679	Inside	4264.00	
Bullnose	4.00			4268.00	6.00 Bottom Packers & Anchor

**Total Tool Length: 33.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.

**24-18s-22w Ness, KS**

3118 Cummings Rd.  
PO Box 399  
Garden City, KS 67846  
ATTN: Jason Alm

**Filbert #1-24**

Job Ticket: 55760

**DST#: 1**

Test Start: 2013.10.17 @ 12:42:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 48.00 sec/qt  
Water Loss: 8.39 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 7400.00 ppm  
Filter Cake: inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: 23000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	O, 100%O	0.015
122.00	OCMCW, 10%O 15%M 75%W	0.661

Total Length: 125.00 ft      Total Volume: 0.676 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

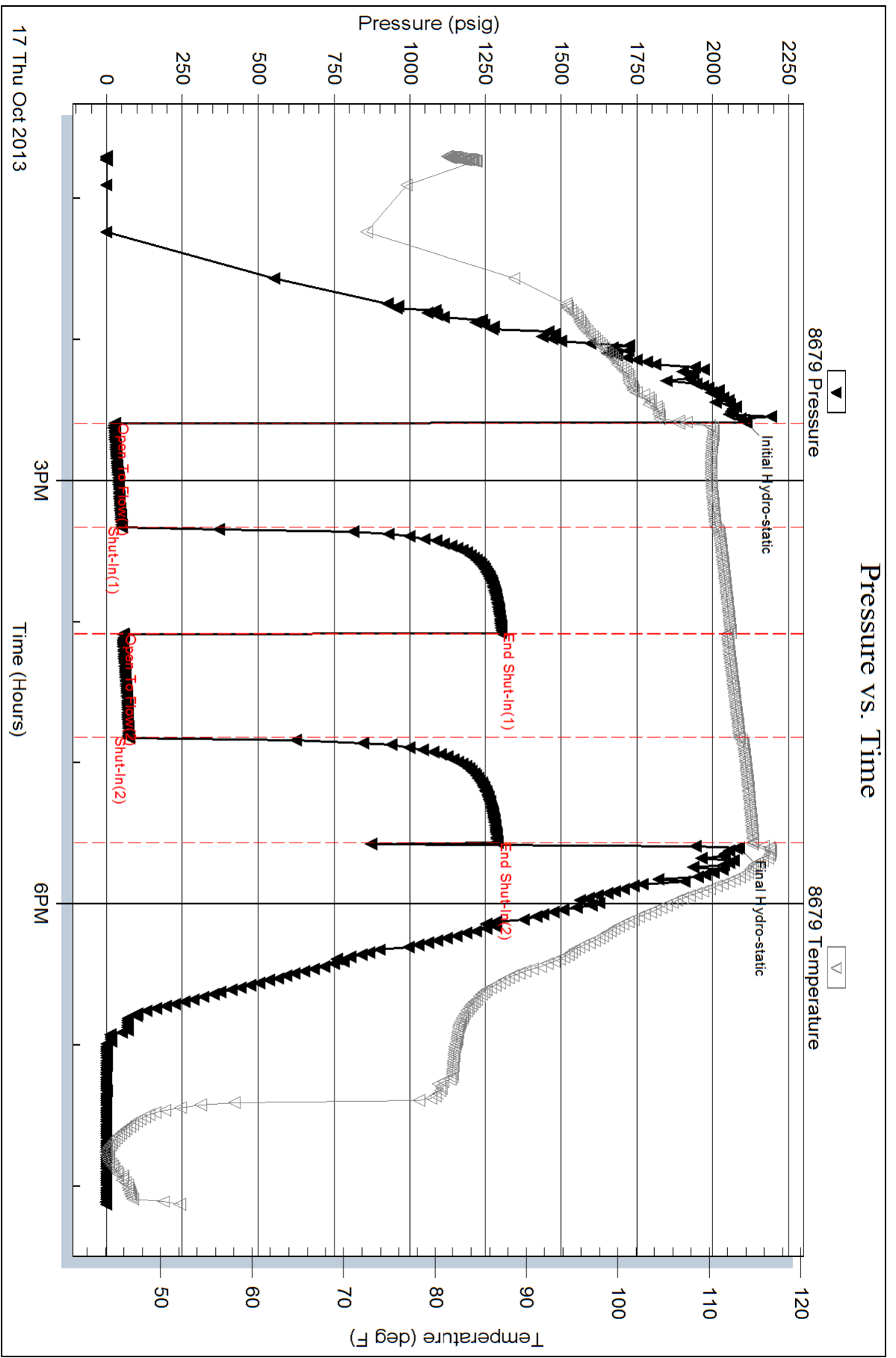
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



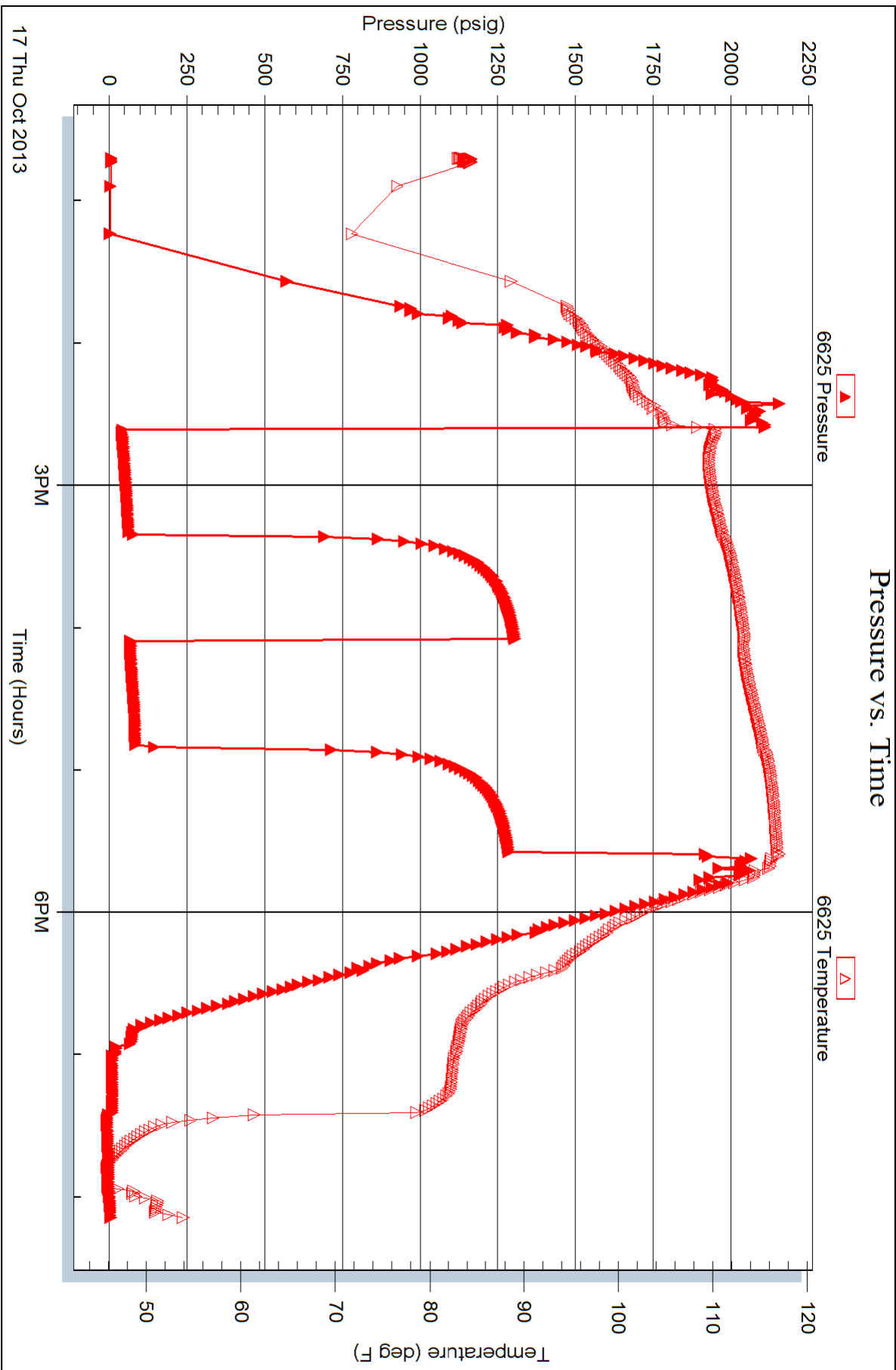


Serial #: 6625

Outside American Warrior, Inc.

Filbert #1-24

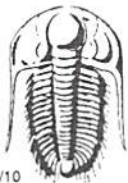
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 55760

Printed: 2013.10.18 @ 09:50:34



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 55760

Well Name & No. Fillbert # 1-24 Test No. 1 Date 10/17/13  
 Company American Warrior, Inc. Elevation 2175 KB 2169 GL  
 Address 3118 Cummings Rd. PO Box 399 Garden City, KS 67846  
 Co. Rep / Geo. Jason Alm Rig Petromark #1  
 Location: Sec. 24 Twp. 18s Rge. 22w Co. Ness State KS

Interval Tested 4262-4268 Zone Tested Miss  
 Anchor Length 6' Drill Pipe Run 4127 Mud Wt. 9.2  
 Top Packer Depth 4257 Drill Collars Run 118 Vis 48  
 Bottom Packer Depth 4262 Wt. Pipe Run ————— WL 8.4  
 Total Depth 4268 Chlorides 7400 ppm System LCM —————

Blow Description IF - Slowly built to 3"  
ISI - No blow  
FF - Slowly built to 2"  
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>3</u>	<u>0</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>122</u>	<u>OCMCW</u>	<u>10</u>	<u>0</u>	<u>75</u>	<u>15</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 125' BHT 115° Gravity ————— API RW .44 @ 51 °F Chlorides 23,000 ppm

(A) Initial Hydrostatic <u>2109</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1145</u>
(B) First Initial Flow <u>27</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1242</u>
(C) First Final Flow <u>49</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1435</u>
(D) Initial Shut-In <u>1301</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1735</u>
(E) Second Initial Flow <u>54</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2009</u>
(F) Second Final Flow <u>72</u>	<input checked="" type="checkbox"/> Mileage <u>110 RT</u> 170.50	Comments
(G) Final Shut-In <u>1290</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2087</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

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

Shale Packer  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility

Sub Total 1745.50  
 Total 1745.50  
 MP/DST Disc't

Approved By \_\_\_\_\_ Our Representative Brannon L

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.





# **Geological Report**

American Warrior, Inc.

**Filbert #1-24**

1430' FSL & 750' FWL

Sec. 24 T18s R22w

Ness County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Filbert #1-24  
1430' FSL & 750' FWL  
Sec. 24 T18s R22w  
Ness County, Kansas  
API # 15-135-25643-0000

Drilling Contractor: Petromark Drilling, LLC. Rig #1

Geologist: Jason T Alm

Spud Date: October 8, 2013

Completion Date: October 18, 2013

Elevation: 2169' Ground Level  
2175' Kelly Bushing

Directions: Bazine KS, from the intersection of Hwy 96 and Austin St. North 1 mi. to 140 Rd. West 1 mi. North ¼ mi. East into location.

Casing: 226' 8 5/8" surface casing

Samples: 10' wet and dry, 3900' to RTD

Drilling Time: 3600' to RTD

Electric Logs: Pioneer Energy Services "Dan Schmidt"  
CNL / CDL, DIL

Drillstem Tests: One, Trilobite Testing, Inc. "Brennan Lonsdale"

Problems: None

Remarks: None

## Formation Tops

<b>Formation</b>	<b>American Warrior, Inc.</b>
	<b>Filbert #1-24</b>
	<b>Sec. 24 T18s R22w</b>
	<b>1430' FSL &amp; 750' FWL</b>
Anhydrite	<b>1436', +739</b>
Base	<b>1474', +701</b>
Heebner	<b>3634', -1459</b>
Lansing	<b>3680', -1505</b>
BKc	<b>3996', -1881</b>
Pawnee	<b>4080', -1905</b>
Fort Scott	<b>4158', -1983</b>
Cherokee	<b>4177', -2002</b>
Mississippian	<b>4248', -2073</b>
Osage	<b>4256', -2081</b>
LTD	<b>4267', -2092</b>
RTD	<b>4268', -2093</b>

## Sample Zone Descriptions

**Mississippian Osage (4256', -2081):**      **Covered in DST #1**

Dolo – Δ – Fine sucrosic crystalline with poor to fair inter-crystalline and scattered vuggy porosity, very heavy triptolic chert, weathered with fair to good vuggy porosity, light to fair spotted oil stain, slight show of free oil, good odor, fair to good spotted yellow fluorescents, 75 units hotwire.

## Drill Stem Tests

Trilobite Testing, Inc.  
“Brennan Lonsdale”

**DST #1**

**Mississippian Osage**

Interval (4262' – 4268') Anchor Length 6'

IHP	– 2109 #	
IFP	– 45” – Built to 3 in.	27-49 #
ISI	– 45” – Dead	1301 #
FFP	– 45” – Built to 2 in.	53-72 #
FSI	– 45” – Dead	1290 #
FHP	– 2087 #	
BHT	– 116°F	

Recovery:      3' Clean Oil  
                  122' OCMW 10% Oil, 75% Water



## Structural Comparison

	<b>American Warrior, Inc.</b>		Marmik Oil Co.		Cities Service Corp.	
	<b>Filbert #1-24</b>		Filbert #13-24		Fricken #1	
	<b>Sec. 24 T18s R22w</b>		Sec. 24 T18s R22w		Sec. 25 T18s R22w	
<b>Formation</b>	<b>1430' FSL &amp; 750' FWL</b>		1980' FSL & 660' FWL		860' FNL & 1980' FWL	
Anhydrite	<b>1436', +739</b>		NA	<b>NA</b>	NA	<b>NA</b>
Base	<b>1474', +701</b>		NA	<b>NA</b>	NA	<b>NA</b>
Heebner	<b>3634', -1459</b>		3636', -1462	<b>(+3)</b>	3624', -1455	<b>(-4)</b>
Lansing	<b>3680', -1505</b>		3680', -1506	<b>(+1)</b>	3670', -1501	<b>(-4)</b>
BKc	<b>3996', -1881</b>		NA	<b>NA</b>	NA	<b>NA</b>
Pawnee	<b>4080', -1905</b>		4085', -1911	<b>(+6)</b>	NA	<b>NA</b>
Fort Scott	<b>4158', -1983</b>		4160', -1986	<b>(+3)</b>	4156', -1987	<b>(+4)</b>
Cherokee	<b>4177', -2002</b>		4181', -2007	<b>(+5)</b>	4176', -2007	<b>(+5)</b>
Mississippian	<b>4248', -2073</b>		NA	<b>NA</b>	4240', -2071	<b>(-2)</b>
Osage	<b>4256', -2081</b>		4253', -2079	<b>(-2)</b>	4261', -2092	<b>(+11)</b>

## Summary

The location for the Filbert #1-24 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One drill stem test was conducted which was negative. After all gathered data had been examined the decision was made to plug and abandon the Filbert #1-24 well.

Respectfully Submitted,

Jason T Alm  
Hard Rock Consulting, Inc.

