



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1205342  
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: \_\_\_\_\_

1205342

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 <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  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
<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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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	HT 1-18
Doc ID	1205342

Tops

Name	Top	Datum
Anhydrtie	1415	811
Heebner	3731	-1505
Lansing	3782	-1556
Base Kansas City	4124	-1898
Pawnee	4256	-2030
Ft. Scott	4280	-2054
Cherokee	4297	-2071
Mississippian	4358	-2132
TD	4377	-2151





## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399  
Garden City KS 67846

ATTN: Scott Corsair, Jason

**HT #1-18**

**18-20s-20w Pawnee,KS**

Start Date: 2014.04.12 @ 05:50:39

End Date: 2014.04.12 @ 13:11:48

Job Ticket #: 54098                      DST #: 1

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.04.16 @ 08:26:32



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc

**18-20s-20w Pawnee, KS**

PO Box 399  
Garden City KS 67846

**HT #1-18**

Job Ticket: 54098

**DST#: 1**

ATTN: Scott Corsair, Jason

Test Start: 2014.04.12 @ 05:50:39

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:02:34

Time Test Ended: 13:11:48

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 70

**Interval: 4362.00 ft (KB) To 4372.00 ft (KB) (TVD)**

Reference Elevations: 2226.00 ft (KB)

Total Depth: 4372.00 ft (KB) (TVD)

2220.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

**Serial #: 8369 Inside**

Press@RunDepth: 181.48 psig @ 4363.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.12

End Date:

2014.04.12

Last Calib.:

2014.04.12

Start Time: 05:50:39

End Time:

13:11:48

Time On Btm:

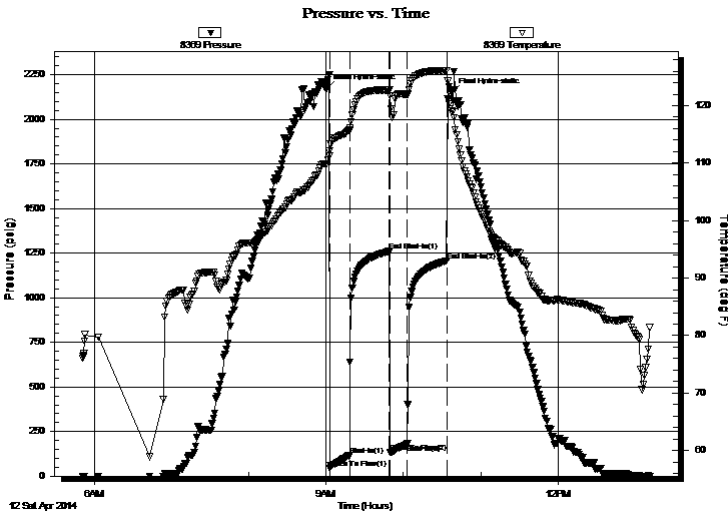
2014.04.12 @ 09:00:19

Time Off Btm:

2014.04.12 @ 10:37:33

**TEST COMMENT:** 15-IFP-strg bl in 4 min  
30-ISIP-4" bl bk  
15-FFP-strg bl in 7 min  
30-FSIP-2" bl bk

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2170.33	109.88	Initial Hydro-static
3	45.68	111.34	Open To Flow (1)
18	117.47	115.76	Shut-In(1)
49	1259.83	122.69	End Shut-In(1)
49	133.64	121.74	Open To Flow (2)
63	181.48	121.90	Shut-In(2)
94	1206.55	126.09	End Shut-In(2)
98	2149.89	119.04	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	475'GIP	0.00
124.00	MGO 20%G5%W20%M55%O	0.65
330.00	CO	4.63

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Inc

**18-20s-20w Pawnee,KS**

PO Box 399  
Garden City KS 67846

**HT #1-18**

Job Ticket: 54098

**DST#: 1**

ATTN: Scott Corsair, Jason

Test Start: 2014.04.12 @ 05:50:39

## Tool Information

Drill Pipe:	Length: 4221.00 ft	Diameter: 3.80 inches	Volume: 59.21 bbl	Tool Weight:	2200.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 59.80 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	63000.00 lb
Depth to Top Packer:	4362.00 ft			Final	65000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 ft				
Tool Length:	39.00 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			4334.00	
Shut In Tool	5.00			4339.00	
Hydraulic tool	5.00			4344.00	
Jars	5.00			4349.00	
Safety Joint	3.00			4352.00	
Packer	5.00			4357.00	29.00 Bottom Of Top Packer
Packer	5.00			4362.00	
Stubb	1.00			4363.00	
Recorder	0.00	8369	Inside	4363.00	
Recorder	0.00	8700	Outside	4363.00	
Perforations	6.00			4369.00	
Bullnose	3.00			4372.00	10.00 Bottom Packers & Anchor

**Total Tool Length: 39.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc

**18-20s-20w Pawnee,KS**

PO Box 399  
Garden City KS 67846

**HT #1-18**

Job Ticket: 54098

**DST#: 1**

ATTN: Scott Corsair, Jason

Test Start: 2014.04.12 @ 05:50:39

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	475'GIP	0.000
124.00	MGO 20%G5%W20%M55%O	0.646
330.00	CO	4.629

Total Length: 454.00 ft      Total Volume: 5.275 bbl

Num Fluid Samples: 0

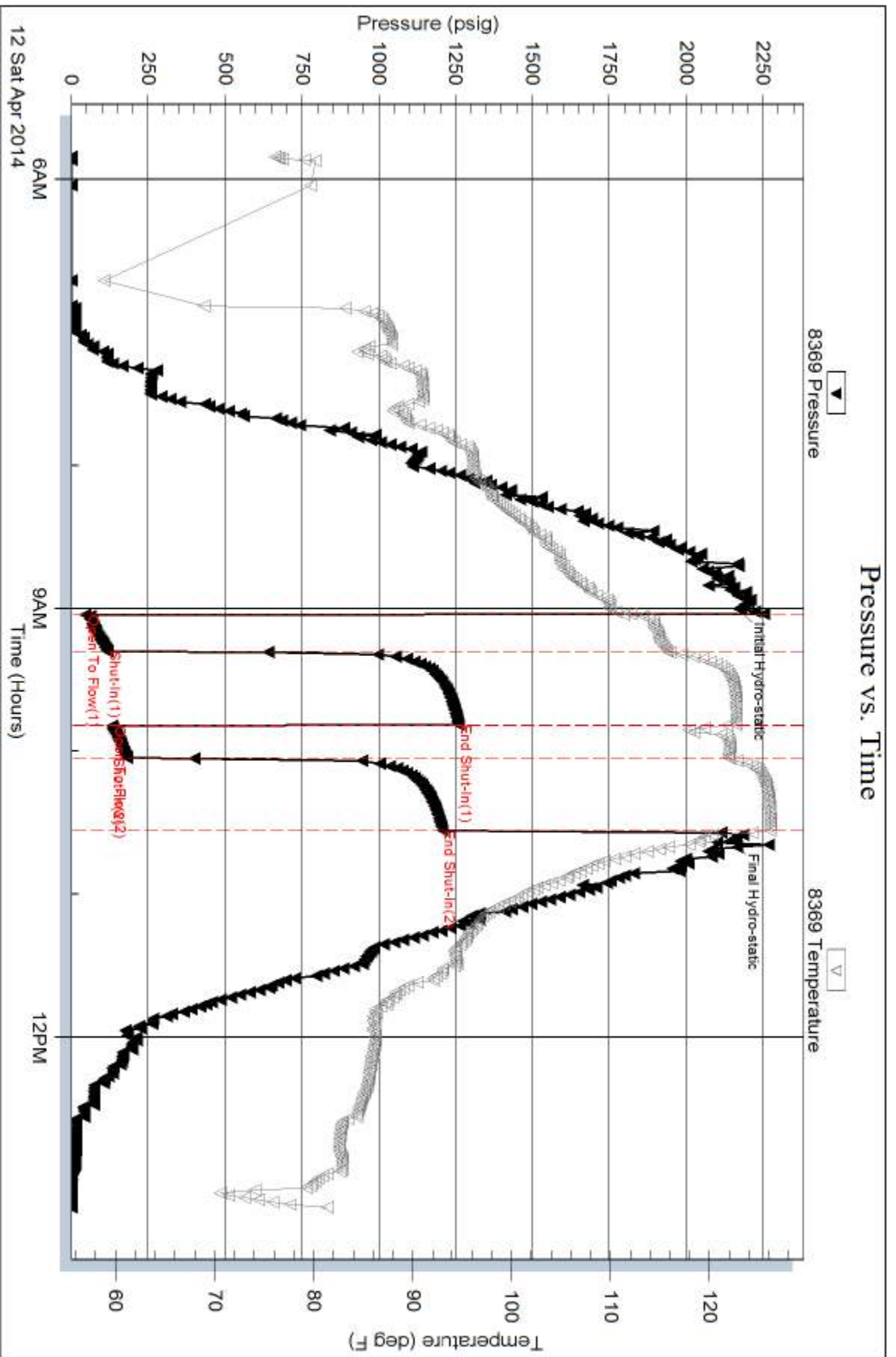
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

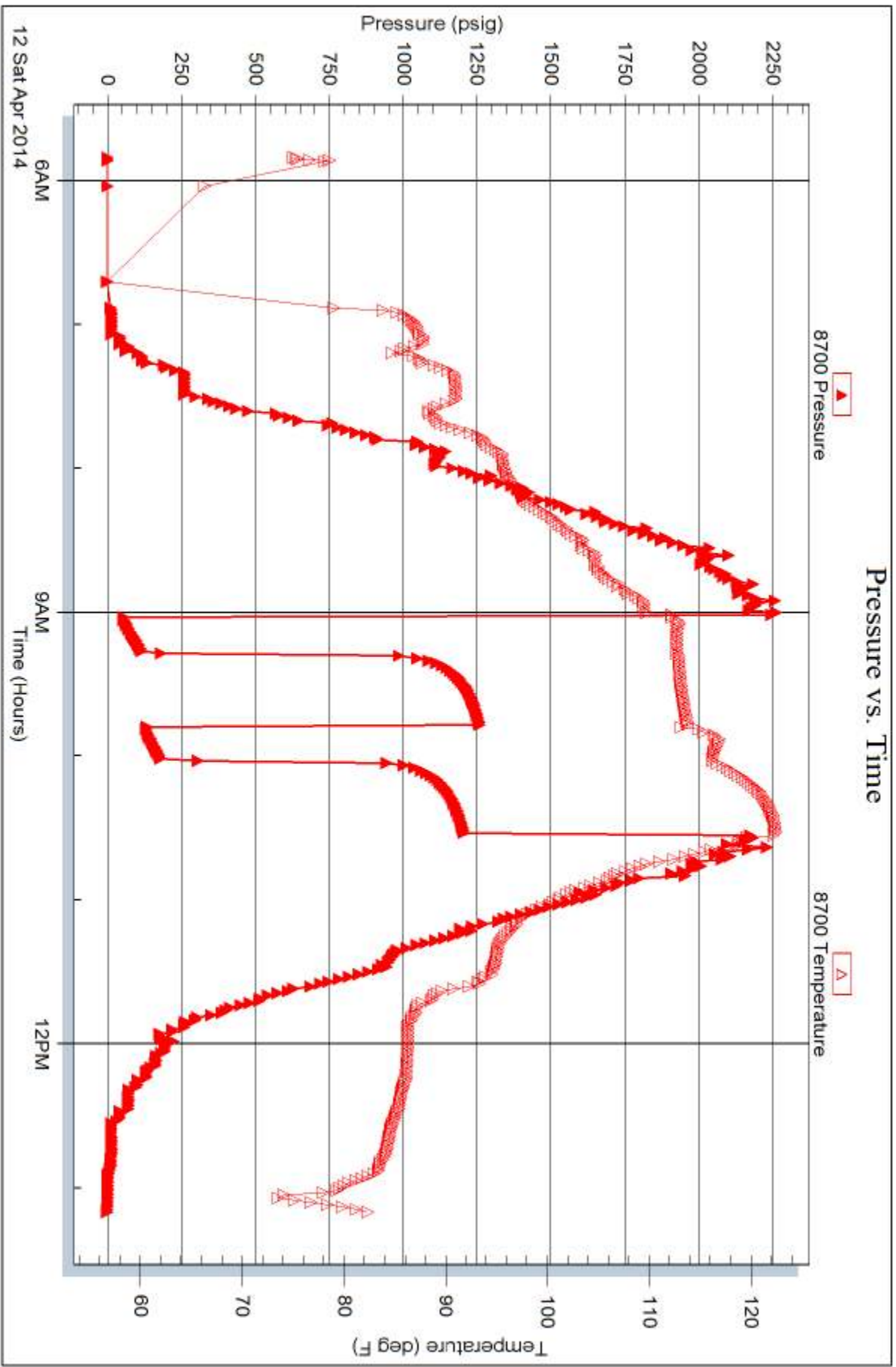


Serial #: 8700

Outside American Warrior Inc

HT #1-18

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 54098

Printed: 2014.04.16 @ 08:26:35



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54098

Well Name & No. HT #1-18 Test No. 1 Date 4-12-84  
 Company AMERICAN WARRIOR, INC Elevation 2226 KB 2220 GL  
 Address PO Box 399 Garden City, Ks 67846  
 Co. Rep / Geo. JASON ALM Rig PETROMARK rig 1  
 Location: Sec. 18 Twp. 20<sup>s</sup> Rge. 20<sup>w</sup> Co. PAWNEE State Ks

Interval Tested 4362-4372 Zone Tested MISS  
 Anchor Length 10 Drill Pipe Run 4221 Mud Wt. 9.2  
 Top Packer Depth 4357 Drill Collars Run 120 Vis 56  
 Bottom Packer Depth 4362 Wt. Pipe Run - WL 9.2  
 Total Depth 4372 Chlorides 6200 ppm System LCM -

Blow Description TFP - STRONG BLOW IN 4min  
TSTP - 4" Blow Back  
FFP - STRONG BLOW IN 7min  
FSIP - 2" Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>475</u>	<u>GIP</u>				
<u>124</u>	<u>MGO</u>	<u>20</u>	<u>55</u>	<u>5</u>	<u>20</u>
<u>330</u>	<u>CO</u>				

Rec Total 454 BHT 126 Gravity 39 API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2170</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>0340</u>
(B) First Initial Flow <u>45</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0550</u>
(C) First Final Flow <u>117</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0900</u>
(D) Initial Shut-In <u>1259</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1030</u>
(E) Second Initial Flow <u>133</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1311</u>
(F) Second Final Flow <u>181</u>	<input checked="" type="checkbox"/> Mileage <u>115 RT</u> <u>178.25</u>	Comments
(G) Final Shut-In <u>1206</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2149</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
	<input type="checkbox"/> Day Standby	Total <u>1753.25</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1753.25</u>	

Initial Open 15  
 Initial Shut-In 30  
 Final Flow 15  
 Final Shut-In 30

Approved By \_\_\_\_\_ Our Representative RAY SCHWAGER *Thank you*

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.



# ALLIED OIL & GAS SERVICES, LLC 062890

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Crut B-d

DATE <u>4-5-14</u>	SEC <u>18</u>	TWP. <u>20</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30 AM</u>	JOB FINISH <u>10 PM</u>
LEASE <u>HT</u>	WELL# <u>1-18</u>	LOCATION <u>Alexander south of W Rd</u>		COUNTY <u>Prairie</u>	STATE <u>TX</u>		
OLD OR NEW (Circle one) <u>NEW</u>			<u>1 3/4 West N. 100</u>				

CONTRACTOR Peterson 1  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/2 T.D.  
 CASING SIZE 8 5/8 DEPTH 221.27  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. 15 FT  
 PERFS.  
 DISPLACEMENT 13.13 dbl freshener

OWNER  
 CEMENT  
 AMOUNT ORDERED 150 SKS Class A  
3% LL 2% gel

EQUIPMENT  
 PUMP TRUCK CEMENTER Josh Isaac  
 # 398 HELPER Ben Maxwell  
 BULK TRUCK  
 # 610-170 DRIVER Andy Fink  
 BULK TRUCK  
 # DRIVER

COMMON @  
 POZMIX @  
 GEL @  
 CHLORIDE @  
 ASC @  
 @  
 @  
 @  
 @  
 @  
 @  
 @  
 @  
 HANDLING @  
 MILEAGE  
 TOTAL

REMARKS:  
On location - Rig up - had Safety meeting  
run 8 5/8 casing - Break circulation w/ 20 gal  
Pump 5000 fresh water  
Mix 150 SKS Class A 3% LL 2% gel  
Displace 13.13 dbl freshener  
Set in 9:15 pm  
Cement did Circulate  
Rig down

SERVICE  
 DEPTH OF JOB  
 PUMP TRUCK CHARGE  
 EXTRA FOOTAGE @  
 MILEAGE @  
 MANIFOLD @  
 @  
 @

CHARGE TO: American service  
 STREET  
 CITY STATE ZIP

TOTAL

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.

PLUG & FLOAT EQUIPMENT  
 @  
 @  
 @  
 @  
 @  
 TOTAL

PRINTED NAME X Adria Lomax  
 SIGNATURE X Adria Lomax  
Thank you!

SALES TAX (If Any)  
 TOTAL CHARGES  
 DISCOUNT IF PAID IN 30 DAYS

Date 4-2-14 District Great Bend Ticket No. 62890  
 Company Amesbury Service Rig 247-1000  
 Lease HT Well No. 1-18  
 County Lawrence State Ks  
 Location Alexander south of WPT Field \_\_\_\_\_  
1/2 W - North

CASING DATA: Conductor  PTA  Squeeze  Misc   
 Surface  Intermediate  Production  Liner   
 Size 8 5/8 Type New Weight \_\_\_\_\_ # Collar Red

Casing Depths: Top \_\_\_\_\_ Bottom 221.27  
200.00

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 0.637 Lin. ft./Bbl. 15.70  
 Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. 200

CEMENT DATA:  
 Spacer Type: Flushwater  
 Amt. 5121 Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Pump Time 1.341 hrs. Type Class A 3#  
2 1/2 gal Excess \_\_\_\_\_  
 Amt. 150 Sks Yield 1.341 ft<sup>3</sup>/sk Density 19.2 PPG

TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_  
 Amt. 1 Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 WATER: Lead \_\_\_\_\_ gals/sk Tail \_\_\_\_\_ gals/sk Total \_\_\_\_\_ Bbls.

Pump Trucks Used 398 - Gary Nivell  
 Bulk Equip. 110-170 - Andy Fimple

Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Float: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type Freshwater Amt. 206.27 Bbls. Weight \_\_\_\_\_ PPG  
 Mud Type Native Weight 313 PPG

COMPANY REPRESENTATIVE \_\_\_\_\_ CEMENTER Josh Seal

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
<u>6 pm</u>						<u>As location - Rig up</u> <u>and safety meeting</u> <u>run 8 5/8 casing</u> <u>break circulation with rig mud</u>
<u>9:15</u>					<u>5</u>	<u>5</u> <u>jump 5 bbls flush water</u>
<u>9:20</u>				<u>49.79</u>	<u>35.75</u>	<u>5</u> <u>mix 150 Sks Class A 3# cement</u>
<u>9:30</u>				<u>52.92</u>	<u>13.13</u>	<u>5</u> <u>Displace 13.13 bbl flush water</u>
<u>9:45 pm</u>						<u>Shot in</u> <u>Cement did circulation</u> <u>Rig down</u>



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

TICKET 26199  
 PAGE 1 OF 2

1. SERVICE LOCATION: NESS CITY, KS  
 WELLS/PROJECT NO.: HT 1-18  
 LEASE: PAWSEE  
 COUNTY/PARISH: PAWSEE  
 STATE: KS  
 CITY: BAZINE, KS.  
 DATE: 12 APR 14  
 OWNER:

2. TICKET TYPE:  SERVICE  SALES  
 CONTRACTOR: PETROMARK RIG #1  
 RIG NAME NO.:  
 SHIPPED VIA: DELIVERED TO:

3. WELL TYPE: DIL  
 WELL CATEGORY: DEWELPMENT  
 JOB PURPOSE: 5 1/2 LONG STRIKES  
 WELLS PERMIT NO.:

4. REFERRAL LOCATION: INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT								
575				PUMP GUARGE	30 mi					6.00	180.00
578				NEUTRALIZERS	1508					1500.00	1500.00
402				CEMENT BASKETS	5 EA.					70.00	350.00
403				PORT DOLLAR	2 EA.					300.00	600.00
404				LATCH DOWN PLUG & BALLETT	1 EA.					290.00	290.00
406				ISSERI FLOAT SHOE w/ FILL	1 EA.					375.00	375.00
407											
281				MUD FLUSH	500 gal					1.25	625.00
281				LIDUID KIL	2 gal					25.00	50.00

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

DATE SIGNED: 12 APR 14 TIME SIGNED: 0630 AM

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

SURVEY:  OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  WE UNDERSTOOD AND MET YOUR NEEDS?  OUR SERVICE WAS PERFORMED WITHOUT DELAY?  WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 6855.37  
 TAX: 483.37  
 TOTAL: 11688.74

SWIFT OPERATOR: [Signature]  
 APPROVAL: [Signature]

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: [Signature]  
 The date of this invoice is 12 APR 14.

Thank You!





JOB LOG

SWIFT Services, Inc.

DATE 12 APR 14 PAGE NO.

CUSTOMER AMERICAN WARRIOR WELL NO. LEASE HT 1-18 JOB TYPE 52 LONGSTRING TICKET NO. 26199

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0200							ON LOCATION
	0220							START PIPE 5 1/2" 15.5" RTD 4377 SS 42.50 NEUTRALIZERS 1, 2, 3, 4 75 BASKETS. 5, 76 PORT COLLAR #76 @ 1409
	0420							DROP BALL - CIRCULATE.
	0447	6	12		✓		300	Pump 500 gal MUD FLUSH
		6	20		✓		300	Pump 20 Bbl KCL FLUSH
	0455		7					PLUG RH - 30sx 145
	0500	4	<del>35</del>		✓			MIX <del>1</del> sx EA-2
	0512							WASH OUT Pump & LINES.
	0515	6			✓			START DISPLACING PLUG
	0532				✓		1500	PLUG DOWN LATCH PLUG IN
	0534				✓			RELEASE PSI - DRY
	0538							WASH TRUCK
	0610							JOB COMPLETE
								THANKS #115
								JASON JUAN DOUG



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

TICKET 26256

PAGE 1 OF

SERVICE LOCATION: 1. NESS CITY, KS  
 WELL/PROJECT NO.: HT 1-18  
 COUNTY/TOWNSHIP: PAWNEE  
 STATE: KS  
 CITY: BRAZNE, KS  
 DATE: 4/8/14  
 OWNER:  
 2. TICKET TYPE:  SERVICE  SALES  
 CONTRACTOR: HD OILFIELD SERV.  
 RIG NAME NO.:  
 ORDER NO.:  
 3. WELL TYPE: DIL  
 WELL CATEGORY: DEVELOPMENT  
 JOB PURPOSE: Cement Port  
 WELL PERMIT NO.:  
 WELL LOCATION: 4E, 10S, 23E N Juto  
 4. REFERRAL LOCATION: INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575-					MILEAGE B115	30	mi				6.00	180.00
576D					Pump Charge	1	hour				1500.00	1500.00
1D5					PORT DOLLAR OPENING TOOL	1	hour				350.00	350.00
276					FLOECE	4	hrs				2.00	100.00
29D					D-AIR	1 1/2	hrs				42.00	63.00
33D					SMD CEMENT	150	bx				18.50	2775.00
581					CEMENT SERVICE CHARGE	175	bx				2.00	350.00
083					DRAYAGE	17400	lbs				26.10	454170.00

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 Scott  
 DATE SIGNED: 18 APR 14 TIME SIGNED: 1:00 P.M.  
 REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300  
 SURVEY:  OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  WE UNDERSTOOD AND MET YOUR NEEDS?  OUR SERVICE WAS PERFORMED WITHOUT DELAY?  WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  ARE YOU SATISFIED WITH OUR SERVICE?  
 CUSTOMER DID NOT WISH TO RESPOND  
 PAGE TOTAL: 5579  
 TAX: 8.15%  
 TOTAL: 5846.97  
 SWIFT OPERATOR: Jason Roff  
 APPROVAL: Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 18 APR 14 PAGE NO.

CUSTOMER AMERICAN WARRIOR WELL NO. LEASE HT 1-18 JOB TYPE CEMENT PORT COLLAR TICKET NO. 216256

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0800							ON LOCATION
								PORT COLLAR @ 1409
	0834				✓		1000	TEST - HELD
	0836							OPEN PORT COLLAR
	0840	4	83	✓		400		MIX 150 SX SMD
		3	4 1/2	✓		200		DISPLACE CEMENT
								CIRCULATE 20 SX TO PIT
	0905				✓		1000	CLOSE PORT COLLAR - TEST - HELD
								RUN 4 JTS.
	0913	3	18		✓		300	REVERSE CLEAN
	0920							WASH TRUCK
	0945							JOB COMPLETE
								THANKS # 115
								JASON DAVE JUAN DOUG

# **Geological Report**

American Warrior, Inc.

**HT #1-18**

2300' FSL & 2000' FWL

Sec. 18 T20s R20w

Pawnee County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
HT #1-18  
2300' FSL & 2000' FWL  
Sec. 18 T20s R20w  
Pawnee County, Kansas  
API # 15-145-21754-0000

Drilling Contractor: Petromark Drilling, LLC. Rig #1

Geologist: Jason T Alm

Spud Date: April 5, 2014

Completion Date: April 12, 2014

Elevation: 2226' Ground Level  
2220' Kelly Bushing

Directions: Bazine KS, 4 mi East on Hwy 96 to the HH Rd. 10 mi. South to 30 Rd. East 2 ½ mi. North into location.

Casing: 221' 8 5/8" surface casing  
4376' 5 1/2" production casing

Samples: 10' wet and dry, 4000' to RTD

Drilling Time: 3700' to RTD

Electric Logs: None

Drillstem Tests: One, Trilobite Testing, Inc. "Ray Schwager"

Problems: None

Remarks: None

## Formation Tops

	<b>American Warrior, Inc.</b> <b>HT #1-18</b> <b>Sec. 18 T20s R20w</b> <b>2300' FSL &amp; 2000' FWL</b>
<b>Formation</b>	
Anhydrite	<b>1415', +811</b>
Base	<b>1440', +786</b>
Heebner	<b>3731', -1505</b>
Lansing	<b>3782', -1556</b>
BKc	<b>4124', -1898</b>
Pawnee	<b>4256', -2030</b>
Fort Scott	<b>4280', -2054</b>
Cherokee	<b>4297', -2071</b>
Mississippian	<b>4358', -2132</b>
RTD	<b>4377', -2151</b>

## Sample Zone Descriptions

**Mississippian Osage (4358', -2132):**      **Covered in DST #1**

Δ – Dolo – White to clear, mostly fresh, angular with scattered pinpoint vuggy porosity, few large vug cavities, light to fair spotted oil stain in porosity, fair show of free oil on cup, good odor, good yellow fluorescents in dry sample, few pieces of rhombic dolomite with heavy oil show, 100-105 units hotwire.

## Drill Stem Tests

Trilobite Testing, Inc.  
 “Ray Schwager”

### DST #1

#### Mississippian Osage

Interval (4362' – 4372') Anchor Length 10'

IHP	– 2170 #	
IFP	– 15” – B.O.B. 4 min.	45-117 #
ISI	– 30” – Built to 4 in.	1260 #
FFP	– 15” – B.O.B. 7 min.	133-181 #
FSI	– 30” – Built to 2 in.	1207 #
FHP	– 2150 #	
BHT	– 126°F	

Recovery:      475' GIP  
                   330' GCO  
                   124' MGO      55% Oil

## Structural Comparison

	American Warrior, Inc. HT #1-18 Sec. 18 T20s R20w 2300' FSL & 2000' FWL	Smitherman LC & Aledo Steffen #1 Sec. 18 T20s R20w 2310' FNL & 2310' FEL		Downing-Nelson Oil Co. Vandenberg-Saxton #1-18 Sec. 18 T20s R20w 2400' FNL & 1660' FEL	
<b>Formation</b>					
Anhydrite	<b>1415', +811</b>	NA	<b>NA</b>	1404', +823	<b>(-12)</b>
Base	<b>1440', +786</b>	NA	<b>NA</b>	1430', +797	<b>(-11)</b>
Heebner	<b>3731', -1505</b>	3732', -1505	<b>FL</b>	3721', -1494	<b>(-11)</b>
Lansing	<b>3782', -1556</b>	3782', -1555	<b>(-1)</b>	3769', -1542	<b>(-14)</b>
BKc	<b>4124', -1898</b>	NA	<b>NA</b>	NA	<b>NA</b>
Pawnee	<b>4256', -2030</b>	NA	<b>NA</b>	NA	<b>NA</b>
Fort Scott	<b>4280', -2054</b>	NA	<b>NA</b>	4264', -2037	<b>(-17)</b>
Cherokee	<b>4297', -2071</b>	4298', -2071	<b>FL</b>	4279', -2052	<b>(-19)</b>
Mississippian	<b>4358', -2132</b>	4368', -2141	<b>(+9)</b>	4334', -2107	<b>(-25)</b>

## Summary

The location for the HT #1-18 was found via 3-D seismic survey. One Drill Stem Test was conducted which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the HT #1-18 well.

## Recommended Perforations

**Mississippian Osage      (4358' – 4368')      DST #1**

Respectfully Submitted,

Jason T Alm  
Hard Rock Consulting, Inc.





# Geologic Report

Drilling Time and Sample Log

Operator <b>American Warrior, Inc.</b>		KB Elevation 2226'
Lease <b>HT</b>	No. <b>1-18</b>	DF 2220'
API # <b>15-145-21754-0000</b>		Casing Record Surface 8 5/8" @ 221'
Field <b>Wildcat</b>		Production 5 1/2" @ 4376'
Location <b>2300' FSL &amp; 2000' FWL</b>		Electrical Surveys None
Sec. <b>18</b>	Twp. <b>20s</b>	Rge. <b>20w</b>
County <b>Pawnee</b>	State <b>Kansas</b>	

Formation	Log Tops	Sample Tops	Struct Comp
Anhydrite		1415' +811	
Base		1440' +786	
Heebner		3731' -1505	FL
Lansing		3782' -1556	-1
BKc		4124' -1898	
Pawnee		4256' -2030	
Fort Scott		4280' -2054	
Cherokee		4297' -2071	FL
Mississippian		4358' -2132	+9
Total Depth		4377' -2151	

Reference Well For Structural Comparison **Smitherman LC & Aledo Steffen #1**  
2310' FNL & 2310' FEL Sec. 18 T20s R20w Pawnee Co. Kansas

Drilling Contractor	Petromark Drilling, LLC. Rig #1		
Commenced	4-5-2014	Completed	4-12-2014
Samples Saved From	4000'	To	RTD
Drilling Time Kept From	3700'	To	RTD
Samples Examined From	4000'	To	RTD
Geological Supervision From	4000'	To	RTD

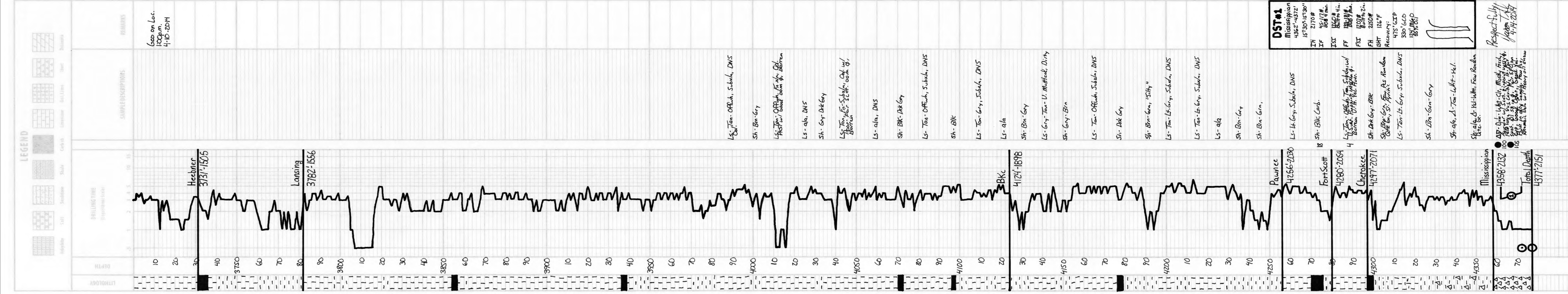
Displacement 3600' Mud Type Chemical

## Summary and Recommendations

The location for the HT #1-18 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One Drill Stem Test was conducted which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 5 1/2 inch production casing to further evaluate the HT #1-18 well.

Respectfully Submitted,

Jason T Alm  
Hard Rock Consulting, Inc.



**DST #1**  
Mississippian  
4362'-4372'  
15°30'15"30"  
2170 #  
45-17 #  
800 #  
1840 #  
1808 #  
1807 #  
800 #  
2150 #  
BHT 126-F  
Recovery:  
475 GIP  
380 GLO  
88% OI

Respectfully Submitted  
Jason T Alm  
4-14-2014