



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1236055  
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: \_\_\_\_\_

1236055

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	Irsik Equities 5-35
Doc ID	1236055

Tops

Name	Top	Datum
Anhy	1937'	+917
B/Anhy	2003'	+851
Lansing	4147'	-1293
B/KC	4633'	-1779
Marmaton	4659'	-1805
Pawnee	4729'	-1875
ft.Scott	4753'	-1899
Morrow	4902'	-2048
Mississippian	4948'	-2094





## DRILL STEM TEST REPORT

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

PO Box 399  
Garden City KS 67846

ATTN: Kevin Timson

### **Irsik Equities #5-35**

### **35-24s-30w Gray,KS**

Start Date: 2014.09.10 @ 06:05:00

End Date: 2014.09.10 @ 16:42:15

Job Ticket #: 57461                      DST #: 1

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

Printed: 2014.09.12 @ 13:38:54







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc.

**35-24s-30w Gray,KS**

PO Box 399  
Garden City KS 67846

**Irsik Equities #5-35**

Job Ticket: 57461

**DST#: 1**

ATTN: Kevin Timson

Test Start: 2014.09.10 @ 06:05:00

## Tool Information

Drill Pipe:	Length: 4868.00 ft	Diameter: 3.80 inches	Volume: 68.29 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 68.29 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 90000.00 lb
Depth to Top Packer:	4887.00 ft			Final 95000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	82.00 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			4864.00	
Shut In Tool	5.00			4869.00	
Hydraulic tool	5.00			4874.00	
Jars	5.00			4879.00	
Safety Joint	3.00			4882.00	
Packer	5.00			4887.00	24.00 Bottom Of Top Packer
S Packer	4.00			4891.00	
Stubb	1.00			4892.00	
Recorder	0.00	6771	Inside	4892.00	
Recorder	0.00	8844	Outside	4892.00	
Perforations	14.00			4906.00	
Change Over Sub	1.00			4907.00	
Drill Pipe	32.00			4939.00	
Change Over Sub	1.00			4940.00	
Bullnose	5.00			4945.00	58.00 Anchor Tool

**Total Tool Length: 82.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.

**35-24s-30w Gray,KS**

PO Box 399  
Garden City KS 67846

**Irsik Equities #5-35**

Job Ticket: 57461

**DST#: 1**

ATTN: Kevin Timson

Test Start: 2014.09.10 @ 06:05:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
4825.00	mud	

Total Length: 4825.00 ft

Total Volume:

bbbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

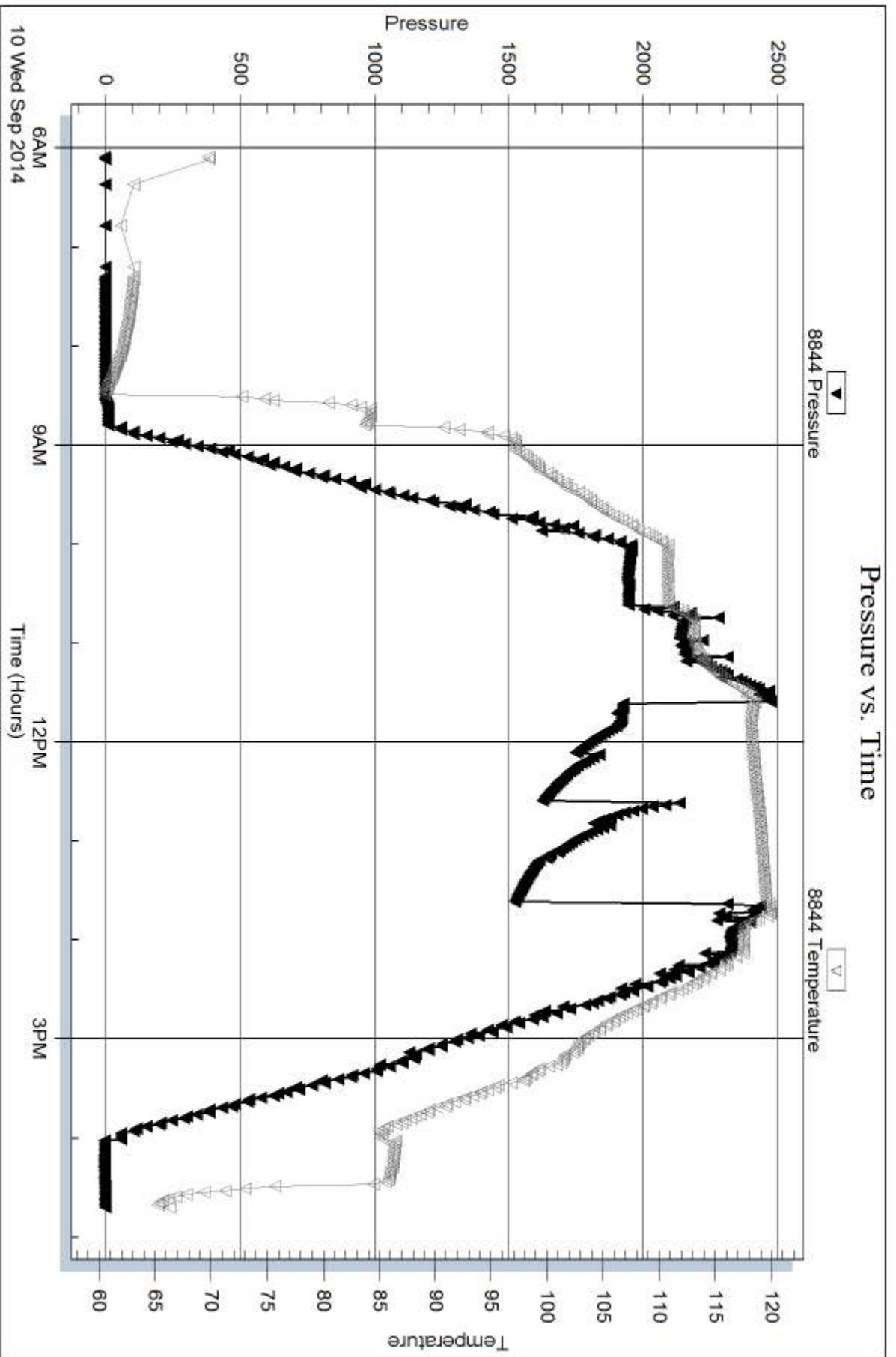
Recovery Comments:

Serial #: 8844

Outside American Warrior, Inc.

Irisk Equities #5-35

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 57461

Printed: 2014.09.12 @ 13:38:55

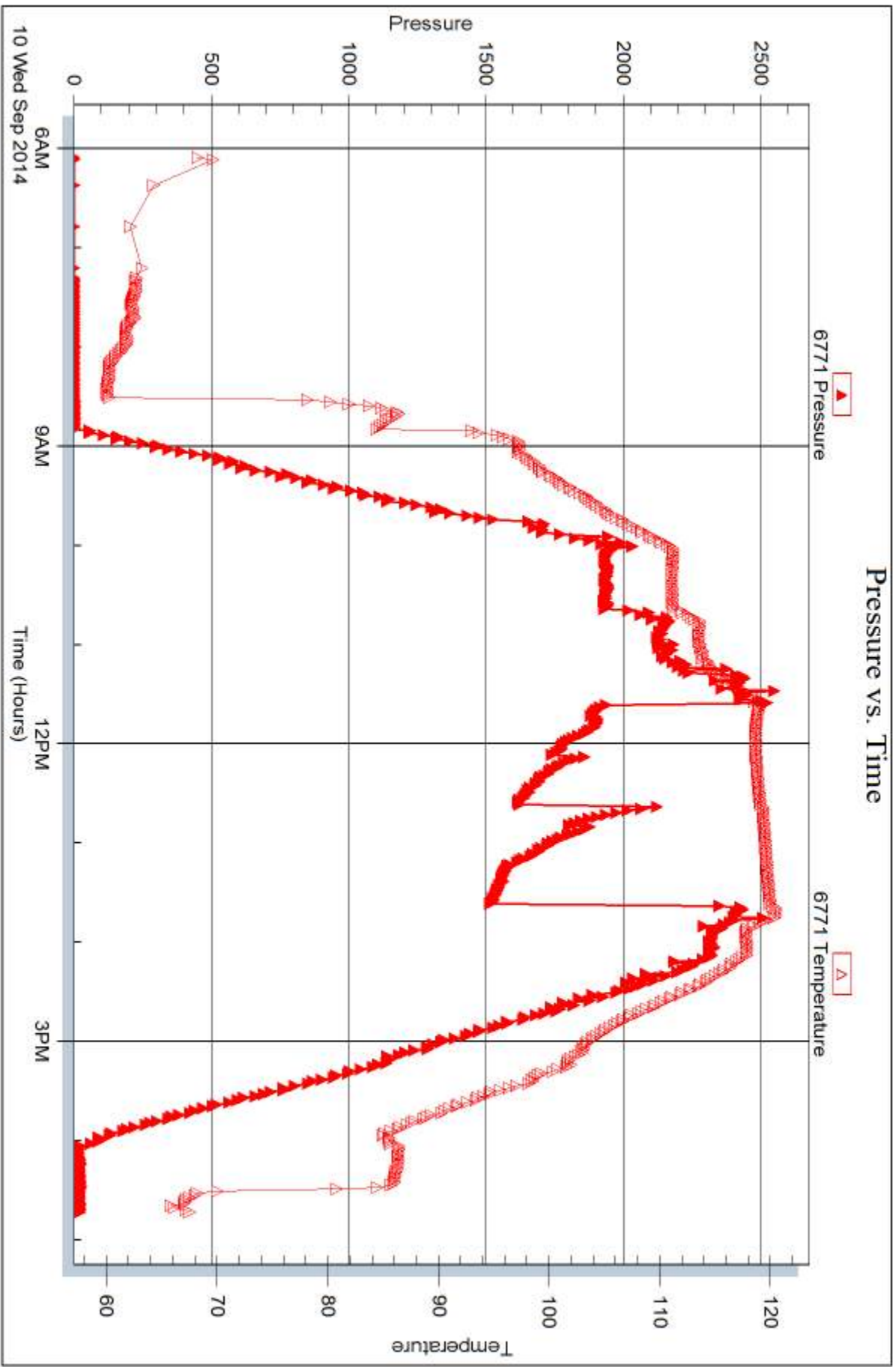
Serial #: 6771

Inside

American Warrior, Inc.

Irsik Equities #5-35

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 57461

Printed: 2014.09.12 @ 13:38:55



## DRILL STEM TEST REPORT

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

PO Box 399  
Garden City KS 67846

ATTN: Kevin Timson

### **Irsik Equities #5-35**

### **35-24s-30w Gray,KS**

Start Date: 2014.09.11 @ 00:11:00

End Date: 2014.09.11 @ 09:11:15

Job Ticket #: 57462                      DST #: 2

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

Printed: 2014.09.12 @ 13:38:10



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.

**35-24s-30w Gray, KS**

PO Box 399  
Garden City KS 67846

**Irsik Equities #5-35**

Job Ticket: 57462

**DST#: 2**

ATTN: Kevin Timson

Test Start: 2014.09.11 @ 00:11:00

## GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 03:11:30

Time Test Ended: 09:11:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 55

**Interval: 4886.00 ft (KB) To 4945.00 ft (KB) (TVD)**

Reference Elevations: 2854.00 ft (KB)

Total Depth: 4945.00 ft (KB) (TVD)

2843.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 11.00 ft

**Serial #: 8844 Outside**

Press@RunDepth: 169.92 psig @ 4891.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.11

End Date:

2014.09.11

Last Calib.:

2014.09.11

Start Time: 00:11:15

End Time:

09:11:15

Time On Btm:

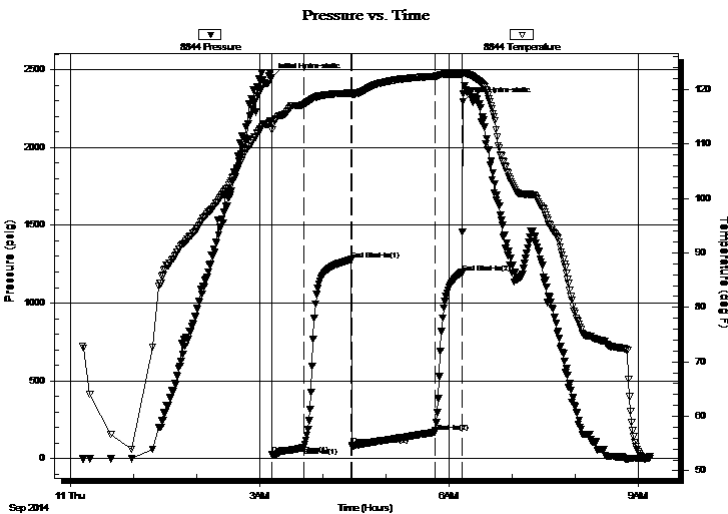
2014.09.11 @ 03:11:00

Time Off Btm:

2014.09.11 @ 06:13:00

TEST COMMENT: 30: B.O.B. in 6 min.  
45: No Return.  
45: B.O.B. in 3 min.  
60: Blow build to 3".

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2449.32	114.11	Initial Hydro-static
1	27.14	112.65	Open To Flow (1)
31	70.94	117.24	Shut-In(1)
76	1280.39	119.33	End Shut-In(1)
77	86.40	118.98	Open To Flow (2)
156	169.92	122.39	Shut-In(2)
182	1197.04	122.79	End Shut-In(2)
182	2297.53	123.11	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
190.00	gocm 20%g 20%o 60%m	2.67
170.00	GO 30%o 70%g	2.38
0.00	GIP 310'	0.00

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc.

**35-24s-30w Gray,KS**

PO Box 399  
Garden City KS 67846

**Irsik Equities #5-35**

Job Ticket: 57462

**DST#: 2**

ATTN: Kevin Timson

Test Start: 2014.09.11 @ 00:11:00

## Tool Information

Drill Pipe:	Length: 4869.00 ft	Diameter: 3.80 inches	Volume: 68.30 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: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 68.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4886.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	59.00 ft			
Tool Length:	83.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4863.00	
Shut In Tool	5.00			4868.00	
Hydraulic tool	5.00			4873.00	
Jars	5.00			4878.00	
Safety Joint	3.00			4881.00	
Packer	5.00			4886.00	24.00 Bottom Of Top Packer
S Packer	4.00			4890.00	
Stubb	1.00			4891.00	
Recorder	0.00	6771	Inside	4891.00	
Recorder	0.00	8844	Outside	4891.00	
Perforations	15.00			4906.00	
Change Over Sub	1.00			4907.00	
Drill Pipe	32.00			4939.00	
Change Over Sub	1.00			4940.00	
Bullnose	5.00			4945.00	59.00 Anchor Tool

**Total Tool Length: 83.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.

**35-24s-30w Gray,KS**

PO Box 399  
Garden City KS 67846

**Irsik Equities #5-35**

Job Ticket: 57462

**DST#: 2**

ATTN: Kevin Timson

Test Start: 2014.09.11 @ 00:11:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
190.00	gocm 20%g 20%o 60%m	2.665
170.00	GO 30%o 70%g	2.385
0.00	GIP 310'	0.000

Total Length: 360.00 ft

Total Volume: 5.050 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

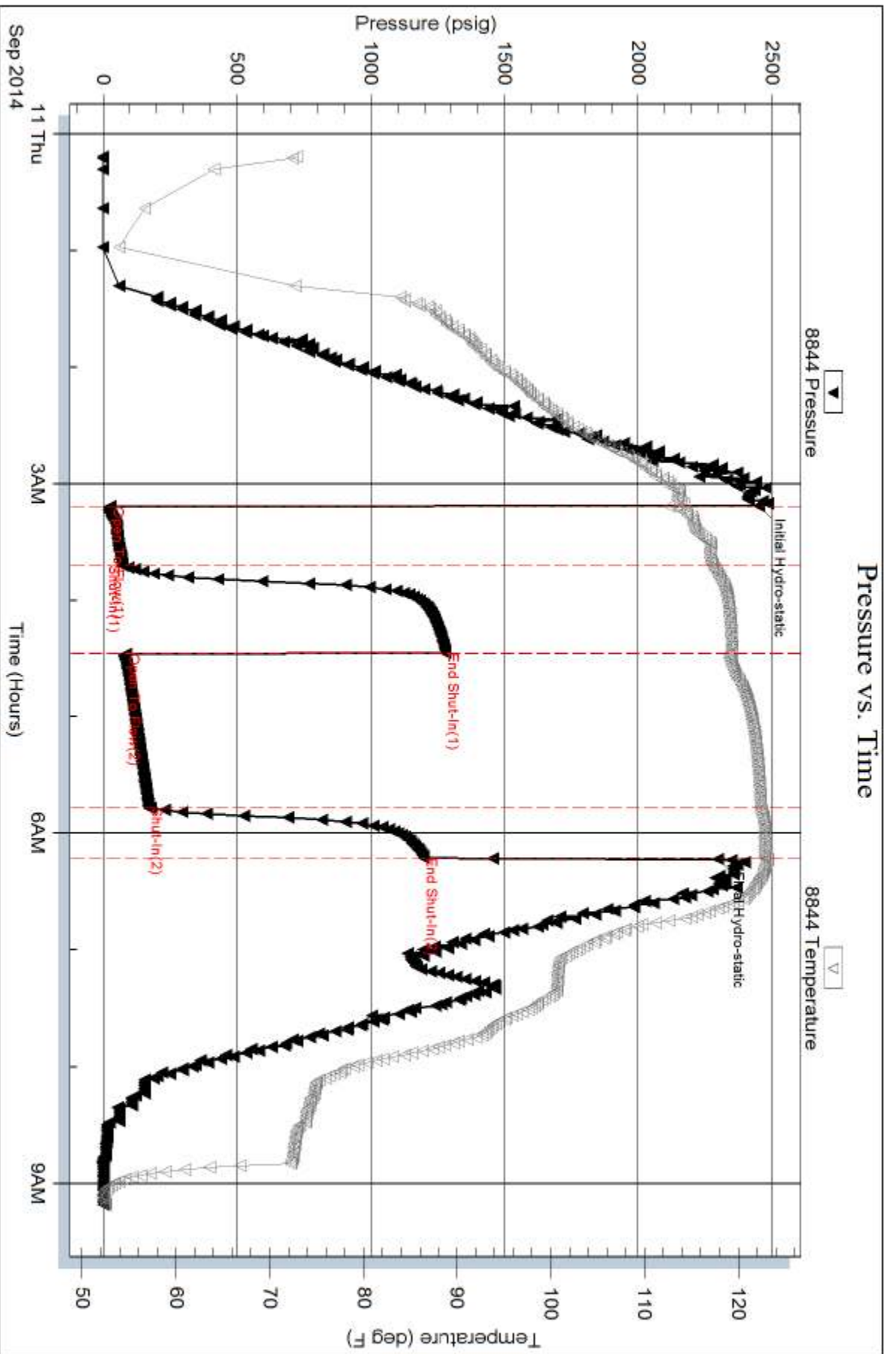
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





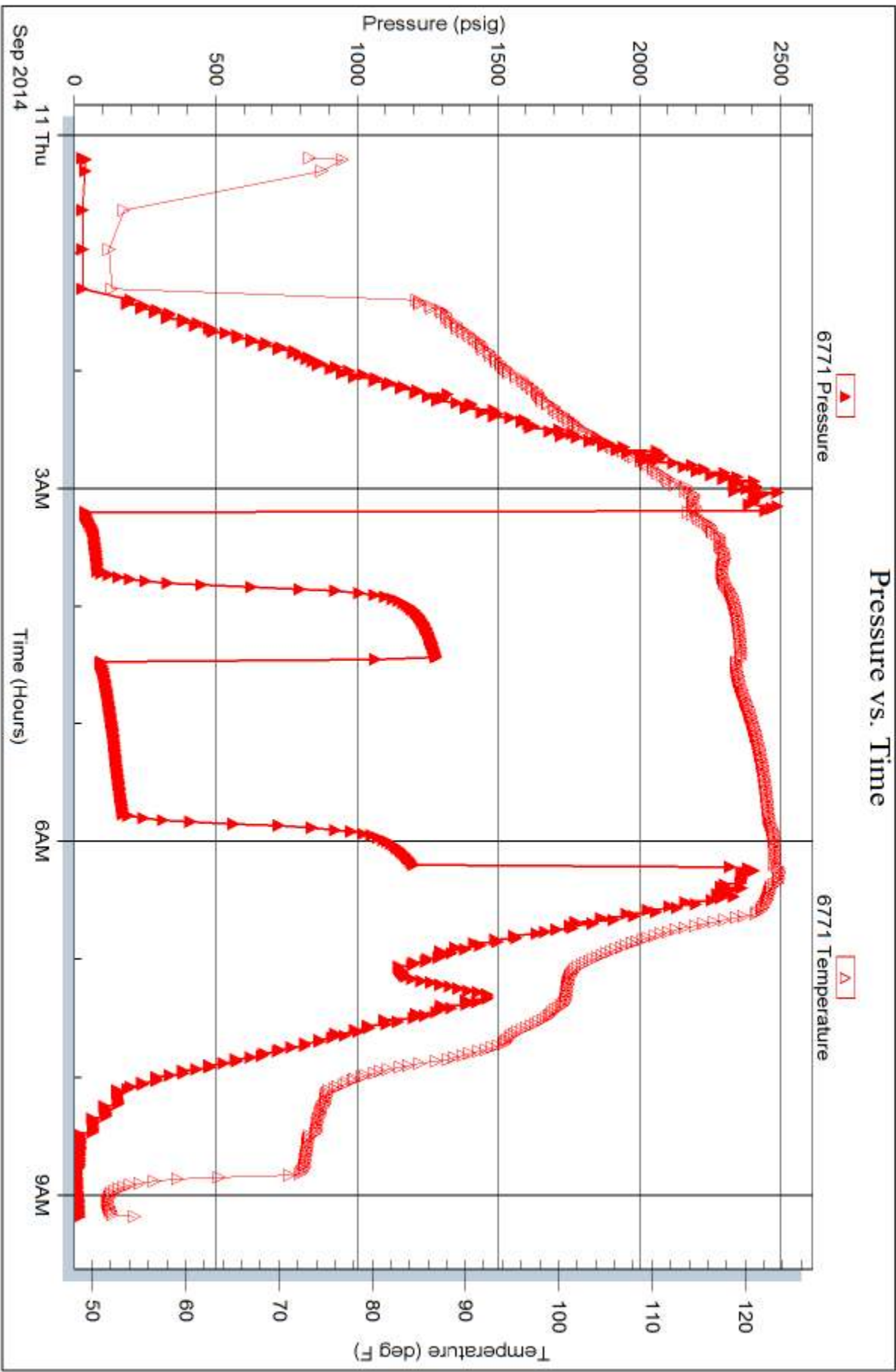
Serial #: 6771

Inside

American Warrior, Inc.

Isik Equities #5-35

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 57462

Printed: 2014.09.12 @ 13:38:11



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 57461

Well Name & No. Irsik - Equities 5-35 Test No. 1 Date 9-10-14  
 Company American Warrior, Inc. Elevation 4857 KB 4843 GL  
 Address 3118 Cumming RD P.O. Box 399 Garden city Ks, 67846  
 Co. Rep / Geo. Kevin Timson Rig Duke #10  
 Location: Sec. 35 Twp. 24s Rge. 30w Co. Gary State Ks

Interval Tested 4887 4945 Zone Tested Morrow  
 Anchor Length 58 Drill Pipe Run 4848 Mud Wt. 9.55  
 Top Packer Depth 4882 Drill Collars Run 0 Vis 44  
 Bottom Packer Depth 4887 Wt. Pipe Run 0 WL 10  
 Total Depth 4945 Chlorides 1900 ppm System LCM 2#  
 Blow Description 30 V" Blow Died in 7 min  
30 N.  
30 MIS RUN  
30

Rec	Feet of	%gas	%oil	%water	%mud
<u>4825</u>	<u>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

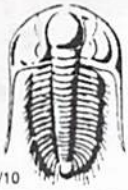
Rec Total 4825 BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic  Test 1050 T-On Location 4:35  
 (B) First Initial Flow  Jars 250 T-Started 6:05  
 (C) First Final Flow  Safety Joint 75 T-Open 11:36  
 (D) Initial Shut-In  Circ Sub F Dep Box 50 T-Pulled 13:38  
 (E) Second Initial Flow  Hourly Standby \_\_\_\_\_ T-Out 16:42  
 (F) Second Final Flow  Mileage 114 RT 176.70 Comments \_\_\_\_\_  
 (G) Final Shut-In  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

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

Sub Total 1601.70  
 Total 1601.70  
 MP/DST Disc't \_\_\_\_\_

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.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 57462

Well Name & No. Irsik Equities 5-35 Test No. 2 Date 9-11-14  
 Company American Warrior Inc. Elevation 2854 KB 2843 GL  
 Address 3118 Cumming RD P.O. Box 399 Garden city KS 67846  
 Co. Rep / Geo. Kevin Timson Rig Duke #10  
 Location: Sec. 35 Twp. 24s Rge. 30W Co. Gary State KS

Interval Tested 4886 4945 Zone Tested Morrow Sand  
 Anchor Length 59 Drill Pipe Run 4869 Mud Wt. 9.4  
 Top Packer Depth 4881 Drill Collars Run 0 Vis 53  
 Bottom Packer Depth 4886 Wt. Pipe Run 0 WL 8.4  
 Total Depth 4945 Chlorides 1400 ppm System LCM 2#  
 Blow Description 30 B.O.B in 6 min  
45 No Return  
45 B.O.B in 3 min  
60 3" Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>190</u>	<u>gocm</u>	<u>20</u>	<u>20</u>	<u>60</u>	
<u>170</u>	<u>gas oil</u>	<u>70</u>	<u>30</u>		
	<u>GIP 310'</u>				

Rec Total 360 BHT 123 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2449  Test 1250 T-On Location 23:25  
 (B) First Initial Flow 27  Jars 250 T-Started 00:11  
 (C) First Final Flow 71  Safety Joint 75 T-Open 3:12  
 (D) Initial Shut-In 1280  Circ Sub N/C T-Pulled 6:12  
 (E) Second Initial Flow 86  Hourly Standby \_\_\_\_\_ T-Out 9:11  
 (F) Second Final Flow 170  Mileage 114 RT 176.70 Comments \_\_\_\_\_  
 (G) Final Shut-In 1197  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2298  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 45  Day Standby \_\_\_\_\_ Total 1601.70  
 Final Flow 45  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 60 Sub Total 1601.70

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.

# **Geological Report**

American Warrior, Inc.

**Irsik Equities #5-35**

967' FSL & 340' FEL

Sec. 35, T24s, R30w

Gray County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Irsik Equities #5-35  
967' FSL & 340' FEL  
Sec. 35, T24s, R30w  
Gray County, Kansas  
API # 15-069-20485-00-00

Drilling Contractor: Duke Drilling Co. Rig #10

Geologist: Kevin Timson

Spud Date: September 4, 2014

Completion Date: September 13, 2014

Elevation 2843' G.L.  
2854' K.B.

Directions: From Garden City, KS. Go south-east on Hwy 50 to Pole Line Rd. Go East To 6 Rd. Go South 1.5 miles and West into.

Casing: 1693' 8 5/8" #24 Surface Casing  
5087' 5 1/2" #15.5 Production Casing

Samples: 4600' to RTD 10' Wet & Dry

Drilling Time: 4000' to RTD

Electric Logs: Pioneer Energy Services "D. Schmidt"  
Stack-Micro

Drillstem Tests: Two-Trilobite Testing "Justin Harris"

Problems: First DST was a misrun. Second DST final open and shut in times were messed up.

## Formation Tops

Irsik Equities #5-35

Sec. 35, T24s, R30w

967' FSL & 340' FEL

<b>Anhydrite</b>	<b>1937' +917</b>
<b>Base</b>	<b>2003' +851</b>
<b>Heebner</b>	<b>4101' -1247</b>
<b>Lansing</b>	<b>4147' -1293</b>
<b>Stark</b>	<b>4483' -1629</b>
<b>Bkc</b>	<b>4633' -1779</b>
<b>Marmaton</b>	<b>4659' -1805</b>
<b>Pawnee</b>	<b>4729' -1875</b>
<b>Fort Scott</b>	<b>4753' -1899</b>
<b>Cherokee</b>	<b>4766' -1912</b>
<b>Morrow</b>	<b>4902' -2048</b>
<b>Miss</b>	<b>4948' -2094</b>
<b>RTD</b>	<b>5100' -2246</b>
<b>LTD</b>	<b>5101' -2247</b>

## Sample Zone Descriptions

**Morrow** (4902', -2048): Covered in DST #1 & #2

Sandstone. Grey/Glauconitic. Medium to coarse grain. Well rounded. Well sorted. Fair stain. Fair saturation. Show of free oil when broken. Fair odor. 80 Unit gas kick. Dirty sand.

**Drill Stem Tests**  
 Trilobite Testing  
 “Justin Harris”

**DST #1**

**Misrun**

**DST #2**

**Morrow**

Interval (4886’ – 4945’) Anchor Length 59’

IHP - 2449 #

IFP - 30” – BOB in 6 min

27-71 #

ISI - 45” – No return

1280 #

FFP - 45” – BOB in 3 min

86-170 #

FSIP - 60” – 3” return

1197 #

FHP - 2298 #

BHT - 123° F

Recovery: 190’ GOCM (20% Oil)

170’ OG (30% Oil)

310’ GIP

**Structural Comparison**

	American Warrior, Inc. Irsik Equities #5-35 Sec. 35, T24s, R30w 967’ FSL & 340’ FEL		American Warrior, Inc. Irsik-Equities #1-35 Sec. 35, T24s, R30w 988’ FSL & 1402’ FEL		American Warrior, Inc. Irsik-Equities #2-35 Sec 35, T24s, R30w 2550’ FNL & 1700’ FEL
<b>Formation</b>					
Heebner	4101’ -1247	-4	4097’ -1243	-2	4099’ -1245
Lansing	4147’ -1293	-2	4145’ -1291	<b>FL</b>	4147’ -1293
Stark	4483’ -1629	-6	4477’ -1623	-5	4478’ -1624
BKC	4633’ -1779	-19	4614’ -1760	-19	4614’ -1760
Marmaton	4659’ -1805	-22	4637’ -1783	-20	4639’ -1785
Pawnee	4729’ -1875	-18	4711’ -1857	-18	4711’ -1857
Fort Scott	4753’ -1899	-18	4735’ -1881	-19	4734’ -1880
Cherokee	4766’ -1912	-17	4749’ -1895	-21	4745’ -1891
Morrow	4902’ -2048	-20	4882’ -2028	-24	4878’ -2024
Miss	4948’ -2094	-55	4893’ -2039	-62	4886’ -2032



## Summary

The location for the Irsik-Equities #5-35 well was found via 3-D seismic survey. The new well ran structurally as expected. Two drill stem tests were conducted, one of which recovered commercial quantities of oil from the Morrow Sandstone. After all the gathered data had been examined, the decision was made to run 5 ½” casing to further evaluate the Irsik-Equities #5-35 well.

## Perforations

**Primary:**                      **Morrow**        **(4927' – 4937')**

**Secondary:**                      **Morrow**        **(4938' – 4943)**

Respectfully Submitted,

Kevin Timson  
American Warrior, Inc.

61554

Field Ticket Number: 61554      Field Ticket Date: Friday, September 05, 2014

**Bill To:**  
AMERICAN WARRIOR, INC  
P.O. BOX 399  
GARDEN CITY, KS 67846

**Job Name:** 01 Surface  
**Well Name:** Inish-Equiline  
**Well Number:** 5-35  
**Shipping Point:** Liberal, KS USA  
**Sales Office:** Midcon BC

**SERVICES - SERVICES - SERVICES**

Description	QTY	Unit	Unit Price	Contract Price	Invoice Price	Discount	Net Amount
Casing Pump Charge 1001' to 2000'	1.00	for 8 hrs	2,213.75	2,213.75	1,771.00	20%	1,771.00
Cementing Head Rental with Manifold (Low Pres)	1.00	per day	275.00	275.00	220.00	20%	220.00
Products handling service charge	947.01	per cu. FL	2.48	2348.53	1.98	20%	1,878.87
Drayage for Products	1875.00	ton-mile	2.60	5135.00	2.08	20%	4,108.00
Light Vehicle Mileage	50.00	per mile	4.40	220.00	3.52	20%	176.00
Heavy Vehicle Mileage	150.00	per mile	7.70	1155.00	8.18	20%	924.00

**MATERIALS - MATERIALS - MATERIALS**

Description	QTY	Unit	Unit Price	Contract Price	Invoice Price	Discount	Net Amount
8 5/8 Guide Shoe	1.00	each	460.98	460.98	368.78	20%	368.78
8 5/8 AFU Inert Float Valve	1.00	each	446.94	446.94	357.55	20%	357.55
8 5/8 Cement Basket	1.00	each	559.28	559.28	447.41	20%	447.41
8 5/8 Centralizer	3.00	each	74.88	224.64	59.90	20%	179.71
8 5/8 Top Rubber Plug	1.00	each	131.04	131.04	104.83	20%	104.83
ALLIED LIGHT WEIGHT CEMENT, TYPE 1 - C	625.00	per sack	16.50	10,312.50	8,250.00	20%	8,250.00
Calcium Chloride	21.00	per sack	64.00	1,344.00	1,075.20	20%	1,075.20
Flo Seal	313.00	per pound	2.97	929.61	743.69	20%	743.69
CLASS A COMMON	200.00	per sack	17.80	3,580.00	2,864.00	20%	2,864.00
Calcium Chloride	8.00	per sack	64.00	512.00	409.60	20%	409.60
Flo Seal	50.00	per pound	2.97	148.50	118.80	20%	118.80

**ADDITIONAL ITEMS - ADDITIONAL ITEMS - ADDITIONAL ITEMS**

Additional hours, in excess of set hours	0.00	per hour	440.00	0.00	352.00	20%	0.00
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	Gross	Discount	Final
Services Total	11,347.33	2,289.47	9,077.87
Materials Total	18,649.47	3,729.89	14,919.58
Additional Items	0.00	0.00	0.00
<b>Final Total</b>	<b>29,996.80</b>	<b>5,999.36</b>	<b>23,997.44</b>

Allied Rep: Jon Burgess  
Customer Agent:

This output does NOT include taxes. Applicable sales tax will be billed on the final invoice.  
Customer hereby acknowledges receipt of the materials and services described above and on the attached documents.  
I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the following page.

Customer Signature: Alejandro Amador

Field Ticket Total (USD): 23,997.44

New Well  
Gray KS  
John Burgess  
Jaime Torres  
Jose Zubia  
Daniel Rosales  
868-541 Pump Truck  
956-841  
774-744



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

TICKET 26553

PAGE 1 OF 2

SERVICE LOCATIONS  
 1. **NESS CITY, KS**  
 2.  
 3.  
 4. REFERRAL LOCATION

WELL/PROJECT NO. **5-35**  
 LEASE **IRSEK - EQUITIES**  
 COUNTY/PARISH **GRAY**  
 STATE **Ks**  
 CITY  
 DATE **9-12-14**  
 OWNER **SAME**

TICKET TYPE  SERVICE  SALES  
 CONTRACTOR **DUKE DRIG #10**  
 RIG NAME/NO.  
 SHIPPED VIA **CT**  
 DELIVERED TO **LOCATION**  
 ORDER NO.

WELL TYPE **OIL**  
 WELL CATEGORY **DEVELOPMENT**  
 JOB PURPOSE **5 1/2" LONGSTRENG**  
 WELL PERMIT NO.  
 WELL LOCATION **NE/PIERCEVILLE, Ks**

INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE # 112	85		ME		6.00	510.00
578		1			PUMP CHARGE	1	JOB		5098 FT	1500.00	1500.00
221		1			LIQUID KCL	2		GAL		25.00	50.00
281		1			MUDFLOSH	500		GAL		1.25	625.00
402		1			CENTRALIZERS	9	EA		5 1/2"	70.00	630.00
403		1			CEMENT BASKET	1	EA			300.00	300.00
406		1			LATCH DOWN PLUG - BAFFLE	1	EA			275.00	275.00
407		1			INSERT FLOAT SHOE 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

DATE SIGNED **9-12-14** TIME SIGNED **1900**  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	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				#1	4465.00
WE UNDERSTOOD AND MET YOUR NEEDS?				#2	5461.31
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	10,421.80

subtotal 9926.31  
 TAX Gray 7.3% 495.49

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. 26553

CUSTOMER: AMERICAN WARRIOR INC  
WELL: IRSDK-EQUITIES 5-35  
DATE: 9-12-14  
PAGE: 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M	QTY	U/M		
325		1				STANDARD CEMENT	EA-2	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				HAWD-322		125	LBS		8.00	1000.00
290		1				D-ADR		5	GAL		42.00	210.00
581		1				SERVICE CHARGE						
583		1				MILEAGE CHARGE						
						TOTAL WEIGHT		18325				
						LOADED MILES		85				
						CUBIC FEET		175			2.00	350.00
						TON MILES		778.81			1.00	778.81

CONTINUATION TOTAL 5461.31

JOB LOG

SWIFT Services, Inc.

DATE 9-12-14 PAGE NO. 1

CUSTOMER AMERICAN WARRIOR TAX WELL NO. 5-35 LEASE IRSEK - EQUITIES JOB TYPE 5 1/2" LONGSTRENG TICKET NO. 26553

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1900							ON LOCATION
	2000							START 5 1/2" CASING IN WELL
								TD - 5100' SET = 5097
								TP - 5098' 5 1/2" # 15.5
								SJ - 21'
								CENTRALIZERS - 1, 3, 5, 7, 9, 11, 13, 15, 17
								CNT BSKT - 10
	2230							DROP BALL - CALCULATE ROTATE
	2320	6	12		✓		500	PUMP 500 GAL MUDFLUSH
	2322	6	20		✓		500	PUMP 20 BBLs KCL - FLUSH
	2332		7-5					PLUG RH (30SKS) MH (20SKS)
	2340	4 1/2	30		✓		300	MIX CEMENT - 125 SKS EA-2 @ 15.4 PPG
	2347							WASH OUT PUMP - LINES
	2347							RELEASE LATCH DOWN PLUG
	2350	7	0		✓			DISPLACE PLUG
		7	118				900	
	0008	6	120.8				1500	PLUG DOWN - PSE UP LATCH TO PLUG
	0010						OK	RELEASE PSE - HELD
								WASH TRUCK
	0100							JOB COMPLETE

THANK YOU  
WAYNE, JOHN J., ISAAC