



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1219257  
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: \_\_\_\_\_

1219257

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> _____					
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	Irsik Equities 2-35
Doc ID	1219257

Tops

Name	Top	Datum
Anhy	1945'	+909
B/Anhy	2011'	+843
Heebner	4099'	-1245
Lansing	4147'	-1293
B/KC	4614'	-1760
Marmaton	4639'	-1785
Ft.Scott	4734'	-1880
Morrow	4878'	-2024
Mississippian	4886'	-2032



# **Geological Report**

American Warrior, Inc.

**Irsik Equities #2-35**

2550' FNL & 1700' FEL

Sec. 35, T24s, R30w

Gray County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Irsik Equities #2-35  
2550' FNL & 1700' FEL  
Sec. 35, T24s, R30w  
Gray County, Kansas  
API # 15-069-20476-00-00

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Kevin Timson

Spud Date: June 19, 2014

Completion Date: June 29, 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: 1698' 8 5/8" #24 Surface Casing  
5091' 5 1/2" #15.5 Production Casing

Samples: 4600' to RTD 10' Wet & Dry

Drilling Time: 4000' to RTD

Electric Logs: Pioneer Energy Services "J. Long"  
Stack-Micro

Drillstem Tests: Two-Trilobite Testing "Justin Harris"

Problems: None

## Formation Tops

Irsik Equities #2-35

Sec. 35, T24s, R30w

2550' FNL & 1700' FEL

<b>Anhydrite</b>	<b>1945' +909</b>
<b>Base</b>	<b>2011' +843</b>
<b>Heebner</b>	<b>4099' -1245</b>
<b>Lansing</b>	<b>4147' -1293</b>
<b>Stark</b>	<b>4478' -1624</b>
<b>Bkc</b>	<b>4614' -1760</b>
<b>Marmaton</b>	<b>4639' -1785</b>
<b>Pawnee</b>	<b>4711' -1857</b>
<b>Fort Scott</b>	<b>4734' -1880</b>
<b>Cherokee</b>	<b>4745' -1891</b>
<b>Morrow</b>	<b>4878' -2024</b>
<b>Miss</b>	<b>4886' -2032</b>
<b>RTD</b>	<b>5100' -2246</b>
<b>LTD</b>	<b>5101' -2247</b>

## Sample Zone Descriptions

**Morrow** (4878', -2024): Covered in DST #2

Sandstone. Grey/Glauconitic. Medium to coarse grain. Well rounded. Well sorted. Fair stain. Fair saturation. Show of free oil when broken. Fair odor. 40 Unit gas kick.

**Drill Stem Tests**  
Trilobite Testing  
"J. Long"

**DST #1**

**Pawnee-Cherokee**

Interval (4702' – 4760') Anchor Length 58'

IHP - 2415 #

IFP - 30" – WSB built to 1.5" 17-42 #

ISI - 30" – No return 1299 #

FFP - 10" – No blow 46-80 #

FSIP - Pull Tool NA

FHP - 2310 #

BHT - 120° F

Recovery: 65' Mud

**DST #2**

**Morrow**

Interval (4816' – 4894') Anchor Length 78'

IHP - 2442 #

IFP - 30" – BOB in 4 min 45-94 #

ISI - 45" – No return 584 #

FFP - 45" – BOB in 1 min 97-127 #

FSIP - 60" – No return 723 #

FHP - 2250 #

BHT - 122° F



## Structural Comparison

	American Warrior, Inc. Irsik Equities #2-35 Sec. 35, T24s, R30w 2550' FNL & 1700' FEL		American Warrior, Inc. Irsik-Equities #1-35 Sec. 35, T24s, R30w 988' FSL & 1402' FEL		American Warrior, Inc. Kramer #3-31 Sec 31, T24s, R29w 1982' FSL & 2199' FEL
<b>Formation</b>					
Heebner	4099' -1245	-2	4097' -1243	+45	4125' -1290
Lansing	4147' -1293	-2	4145' -1291	NA	NA
Stark	4478' -1624	-1	4477' -1623	+38	4497' -1662
BKC	4614' -1760	FL	4614' -1760	NA	NA
Marmaton	4639' -1785	-2	4637' -1783	NA	NA
Pawnee	4711' -1857	FL	4711' -1857	+30	4722' -1887
Fort Scott	4734' -1880	+1	4735' -1881	+32	4747' -1912
Cherokee	4745' -1891	+4	4749' -1895	+34	4760' -1925
Morrow	4878' -2024	+4	4882' -2028	+24	4883' -2048
Miss	4886' -2032	+7	4893' -2039	+30	4897' -2062

### Summary

The location for the Irsik Equities #2-25 well was found via 3-D seismic survey. The new well ran structurally as expected. Two drill stem tests were conducted, one of which showed promise in 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 #2-35 well.

### Perforations

**Primary:** **St. Louis (5016' – 5024')**

**Secondary:** **Morrow (4881' – 4884')      FRAC**

**Before abandonment:** **Pawnee (4712' – 4716')**

Respectfully Submitted,

Kevin Timson  
American Warrior, Inc.





## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399  
Garden City, KS 67846

ATTN: Kevin Timson

### **Irsik-Equities #2-35**

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

Start Date: 2014.06.26 @ 06:45:00

End Date: 2014.06.26 @ 13:37:00

Job Ticket #: 56656                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.06.30 @ 10:50:10



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

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

**35-24s-30w Gray, KS**  
**Irsik-Equities #2-35**  
 Job Ticket: 56656 **DST#: 1**  
 Test Start: 2014.06.26 @ 06:45:00

## GENERAL INFORMATION:

Formation: **Pawnee - Cherokee**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 09:17:15  
 Time Test Ended: 13:37:00  
 Interval: **4702.00 ft (KB) To 4760.00 ft (KB) (TVD)**  
 Total Depth: 4760.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Justin Harris  
 Unit No: 65  
 Reference Elevations: 2854.00 ft (KB)  
 2843.00 ft (CF)  
 KB to GR/CF: 11.00 ft

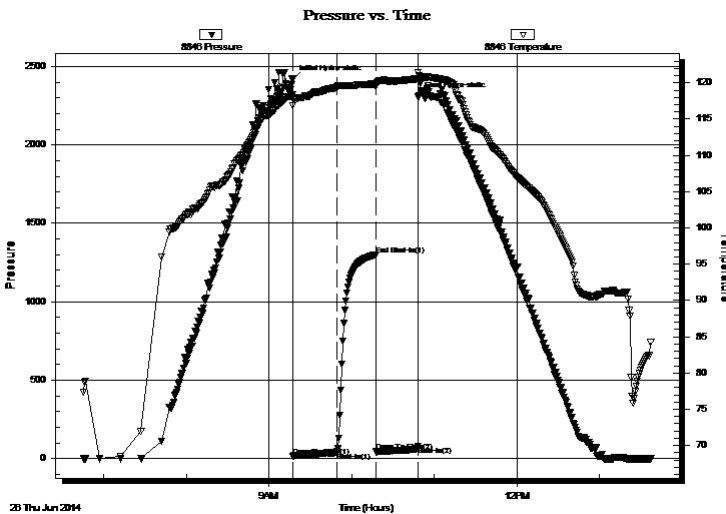
## Serial #: 8846

Inside

Press@RunDepth: 42.54 psig @ 4722.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.06.26 End Date: 2014.06.26 Last Calib.: 2014.06.26  
 Start Time: 06:45:15 End Time: 13:37:00 Time On Btm: 2014.06.26 @ 09:17:00  
 Time Off Btm: 2014.06.26 @ 10:48:15

TEST COMMENT: 30:Weak blow build to 1 1/2".  
 30: No Return.  
 30: No Blow .  
 Pull: No Return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2415.00	118.30	Initial Hydro-static
1	17.11	116.88	Open To Flow (1)
33	42.54	119.55	Shut-In(1)
61	1299.26	119.85	End Shut-In(1)
61	45.80	119.49	Open To Flow (2)
91	80.20	120.57	Shut-In(2)
92	2309.74	121.45	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
65.00	mud	0.32

## Gas Rates

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



## DRILL STEM TEST REPORT

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

**35-24s-30w Gray, KS**  
**Irsik-Equities #2-35**  
 Job Ticket: 56656                      **DST#: 1**  
 Test Start: 2014.06.26 @ 06:45:00

### GENERAL INFORMATION:

Formation:           **Pawnee - Cherokee**

Deviated:           No    Whipstock:                      ft (KB)

Time Tool Opened: 09:17:15

Time Test Ended: 13:37:00

Test Type:   Conventional Bottom Hole (Initial)  
 Tester:       Justin Harris  
 Unit No:      65

**Interval:       4702.00 ft (KB) To   4760.00 ft (KB) (TVD)**

Total Depth:     4760.00 ft (KB) (TVD)

Hole Diameter:    7.88 inches Hole Condition:   Poor

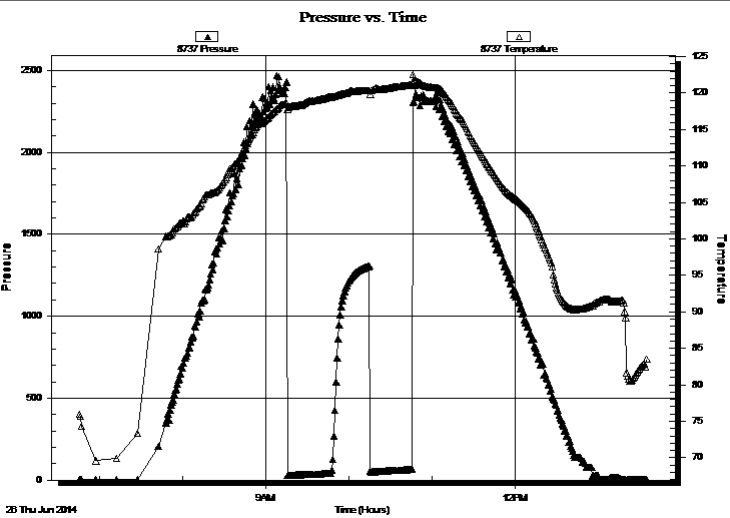
Reference Elevations:   2854.00 ft (KB)  
   2843.00 ft (CF)  
 KB to GR/CF:         11.00 ft

**Serial #: 8737          Outside**

Press@RunDepth:           psig @   4722.00 ft (KB)  
 Start Date:                 2014.06.26           End Date:                 2014.06.26  
 Start Time:                 06:45:15             End Time:                 13:34:45

Capacity:                   8000.00 psig  
 Last Calib.:               2014.06.26  
 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 30:Weak blow build to 1 1/2".  
 30: No Return.  
 30: No Blow .  
 Pull: No Return.



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

Recovery		
Length (ft)	Description	Volume (bbl)
65.00	mud	0.32

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)



**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 #2-35**

Job Ticket: 56656

**DST#: 1**

ATTN: Kevin Timson

Test Start: 2014.06.26 @ 06:45:00

## Tool Information

Drill Pipe:	Length: 4456.00 ft	Diameter: 3.80 inches	Volume: 62.51 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: 244.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 63.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4702.00 ft			Final 77000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	86.00 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			4675.00	
Shut In Tool	5.00			4680.00	
Hydraulic tool	5.00			4685.00	
Jars	5.00			4690.00	
Safety Joint	3.00			4693.00	
Packer	5.00			4698.00	28.00 Bottom Of Top Packer
Packer	4.00			4702.00	
Stubb	1.00			4703.00	
Perforations	19.00			4722.00	
Recorder	0.00	8846	Inside	4722.00	
Recorder	0.00	8737	Outside	4722.00	
Change Over Sub	1.00			4723.00	
Blank Spacing	31.00			4754.00	
Change Over Sub	1.00			4755.00	
Bullnose	5.00			4760.00	58.00 Bottom Packers & Anchor

**Total Tool Length: 86.00**



**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 #2-35**

Job Ticket: 56656

**DST#: 1**

ATTN: Kevin Timson

Test Start: 2014.06.26 @ 06:45:00

## 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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	mud	0.320

Total Length: 65.00 ft      Total Volume: 0.320 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

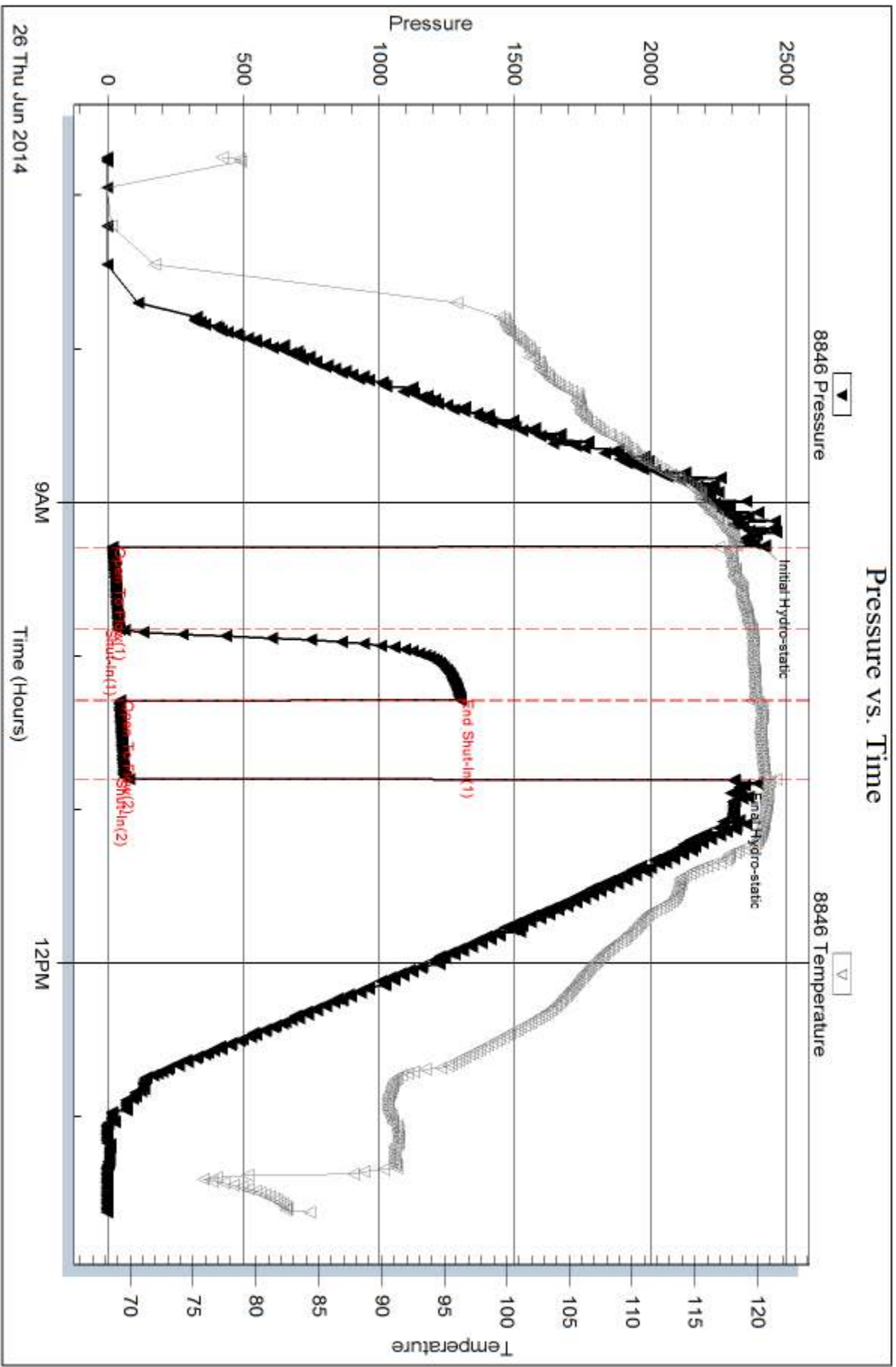
Serial #: 8846

Inside

American Warrior Inc.

Isik-Equities #2-35

DST Test Number: 1



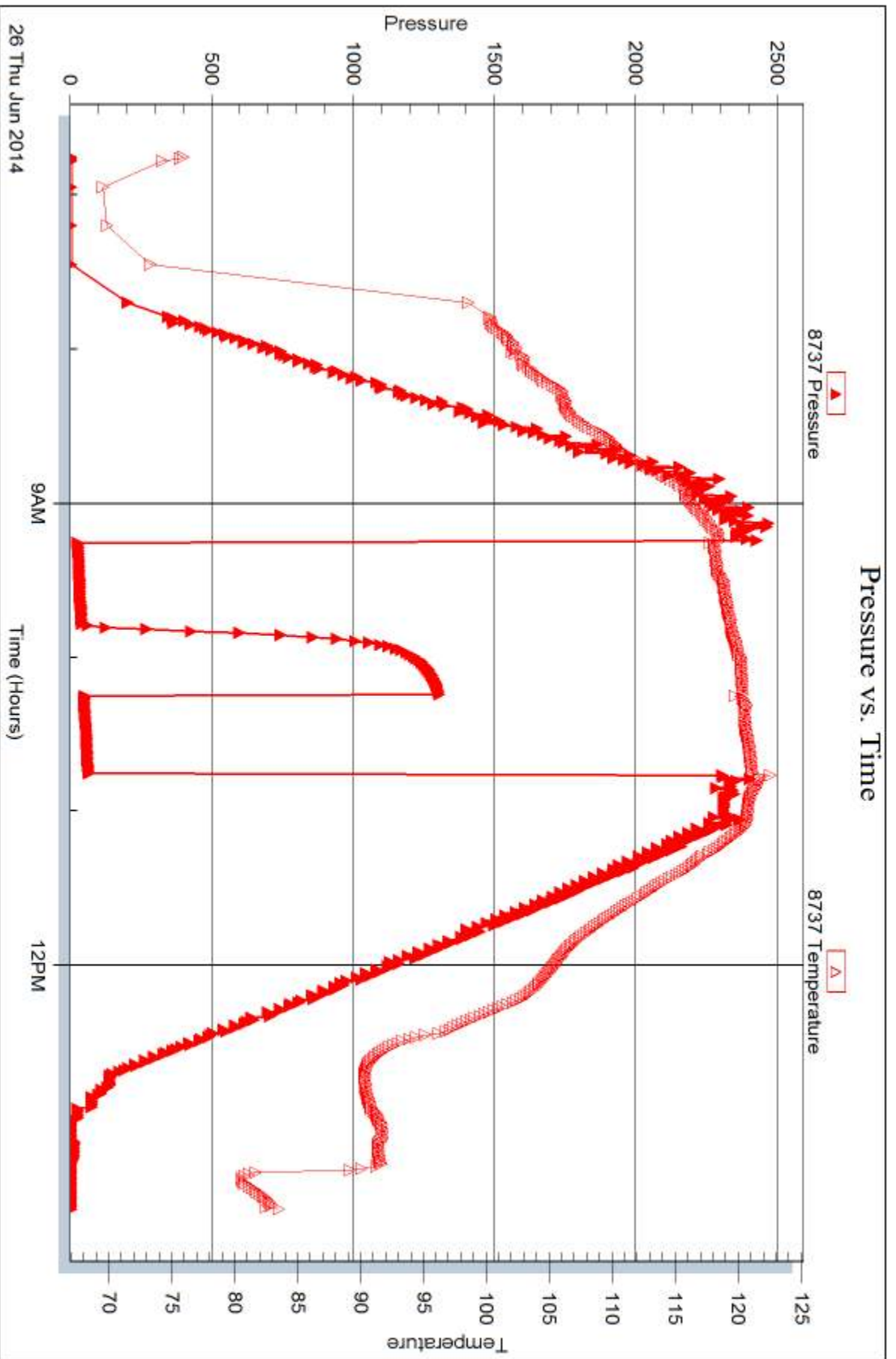


Serial #: 8737

Outside American Warrior Inc.

Irisk-Equities #2-35

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 56656

Printed: 2014.06.30 @ 10:50:11



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399  
Garden City, KS 67846

ATTN: Kevin Timson

### **Irsik-Equities #2-35**

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

Start Date: 2014.06.27 @ 12:15:00

End Date: 2014.06.27 @ 20:22:30

Job Ticket #: 56557                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.06.30 @ 10:49:33



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

**35-24s-30w Gray,KS**  
**Irsik-Equities #2-35**  
Job Ticket: 56557      **DST#: 2**  
Test Start: 2014.06.27 @ 12:15:00

## GENERAL INFORMATION:

Formation: **Atoka - Morrow**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 14:44:30  
Time Test Ended: 20:22:30  
Interval: **4816.00 ft (KB) To 4894.00 ft (KB) (TVD)**  
Total Depth: 4894.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Poor  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Justin Harris  
Unit No: 65  
Reference Elevations: 2854.00 ft (KB)  
2843.00 ft (CF)  
KB to GR/CF: 11.00 ft

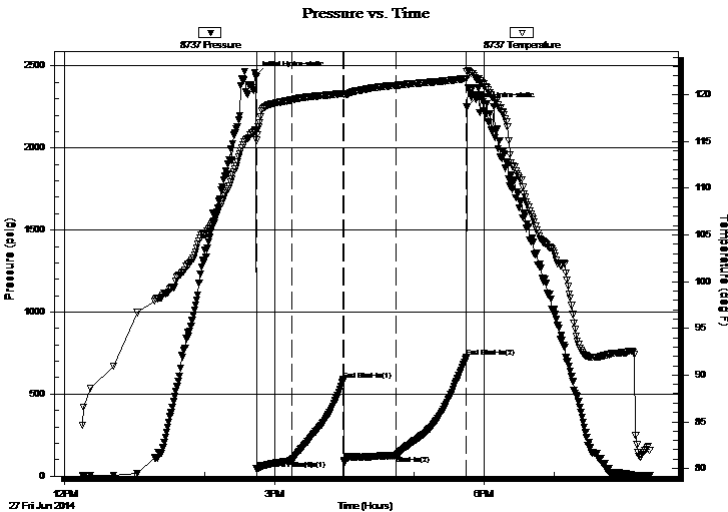
## Serial #: 8737

Outside

Press@RunDepth: 127.46 psig @ 4824.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2014.06.27 End Date: 2014.06.27 Last Calib.: 2014.06.27  
Start Time: 12:15:15 End Time: 20:22:30 Time On Btm: 2014.06.27 @ 14:43:45  
Time Off Btm: 2014.06.27 @ 17:45:15

TEST COMMENT: 30: B.O.B in 4 1/2 mins.  
45: No Return.  
45: B.O.B. in 1 min..  
60: No Return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2441.54	116.22	Initial Hydro-static
1	44.71	115.12	Open To Flow (1)
31	93.89	119.44	Shut-In(1)
76	583.67	120.14	End Shut-In(1)
77	97.37	120.06	Open To Flow (2)
121	127.46	120.99	Shut-In(2)
182	723.23	121.74	End Shut-In(2)
182	2249.92	122.46	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
272.00	gmco 5%g 5%o 90%m	1.59
0.00	G.I.P. 996'	0.00

\* Recovery from multiple tests

## Gas Rates

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



# DRILL STEM TEST REPORT

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

**35-24s-30w Gray, KS**  
**Irsik-Equities #2-35**  
 Job Ticket: 56557      **DST#: 2**  
 Test Start: 2014.06.27 @ 12:15:00

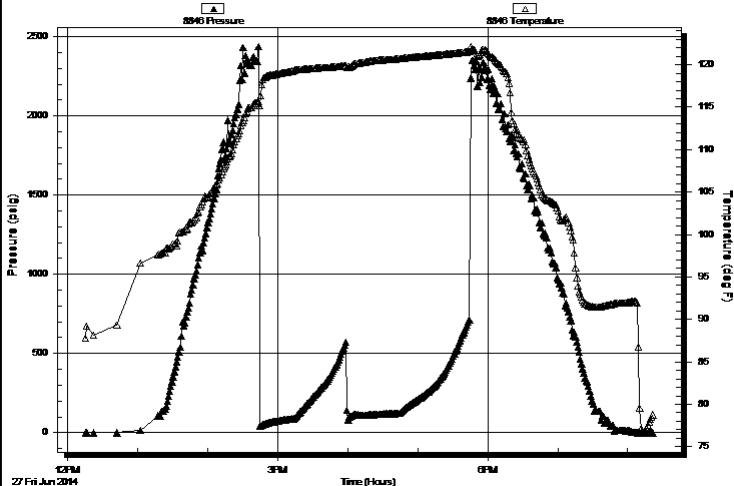
## GENERAL INFORMATION:

Formation: **Atoka - Morrow**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 14:44:30  
 Time Test Ended: 20:22:30  
**Interval: 4816.00 ft (KB) To 4894.00 ft (KB) (TVD)**  
 Total Depth: 4894.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Justin Harris  
 Unit No: 65  
 Reference Elevations: 2854.00 ft (KB)  
 2843.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8846      Inside**  
 Press@RunDepth:                      psig @      4824.00 ft (KB)  
 Start Date:                      2014.06.27      End Date:                      2014.06.27  
 Start Time:                      12:15:15      End Time:                      20:22:00  
 Capacity:                      8000.00 psig  
 Last Calib.:                      2014.06.27  
 Time On Btm:  
 Time Off Btm:

TEST COMMENT: 30: B.O.B in 4 1/2 mins.  
 45: No Return.  
 45: B.O.B. in 1 min..  
 60: No Return.

Pressure vs. Time



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
272.00	gmco 5%g 5%o 90%m	1.59
0.00	G.I.P. 996'	0.00

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (MMcf/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 #2-35**

Job Ticket: 56557

**DST#: 2**

ATTN: Kevin Timson

Test Start: 2014.06.27 @ 12:15:00

## Tool Information

Drill Pipe:	Length: 4552.00 ft	Diameter: 3.80 inches	Volume: 63.85 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: 244.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 65.05 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4816.00 ft			Final 81000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	106.00 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			4789.00	
Shut In Tool	5.00			4794.00	
Hydraulic tool	5.00			4799.00	
Jars	5.00			4804.00	
Safety Joint	3.00			4807.00	
Packer	5.00			4812.00	28.00 Bottom Of Top Packer
Packer	4.00			4816.00	
Stubb	1.00			4817.00	
Perforations	7.00			4824.00	
Recorder	0.00	8846	Inside	4824.00	
Recorder	0.00	8737	Outside	4824.00	
Change Over Sub	1.00			4825.00	
Drill Pipe	63.00			4888.00	
Change Over Sub	1.00			4889.00	
Bullnose	5.00			4894.00	78.00 Bottom Packers & Anchor

**Total Tool Length: 106.00**



**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 #2-35**

Job Ticket: 56557

**DST#: 2**

ATTN: Kevin Timson

Test Start: 2014.06.27 @ 12:15:00

## 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: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
272.00	gmco 5%g 5%o 90%m	1.593
0.00	G.I.P. 996'	0.000

Total Length: 272.00 ft      Total Volume: 1.593 bbf

Num Fluid Samples: 0

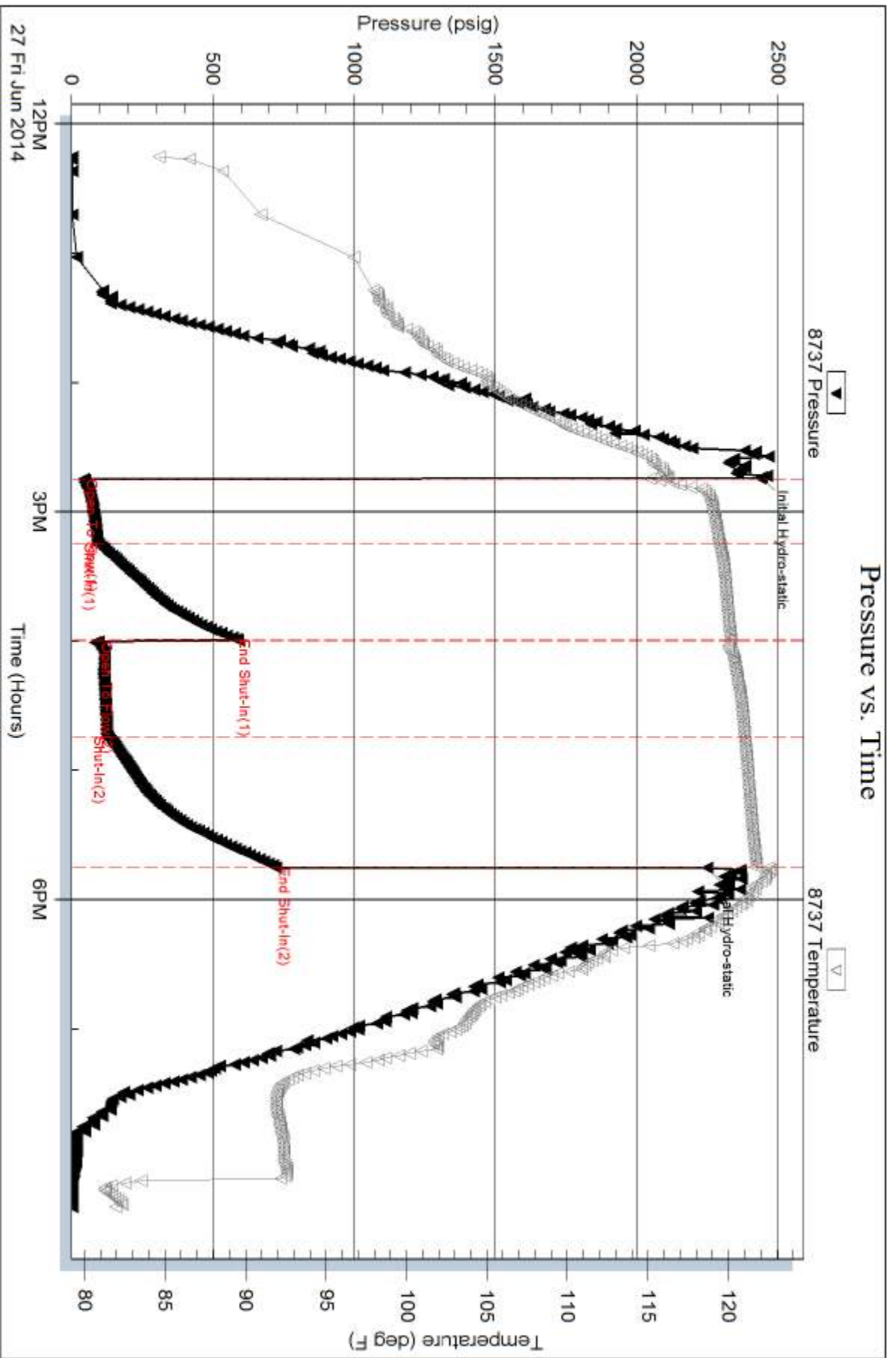
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



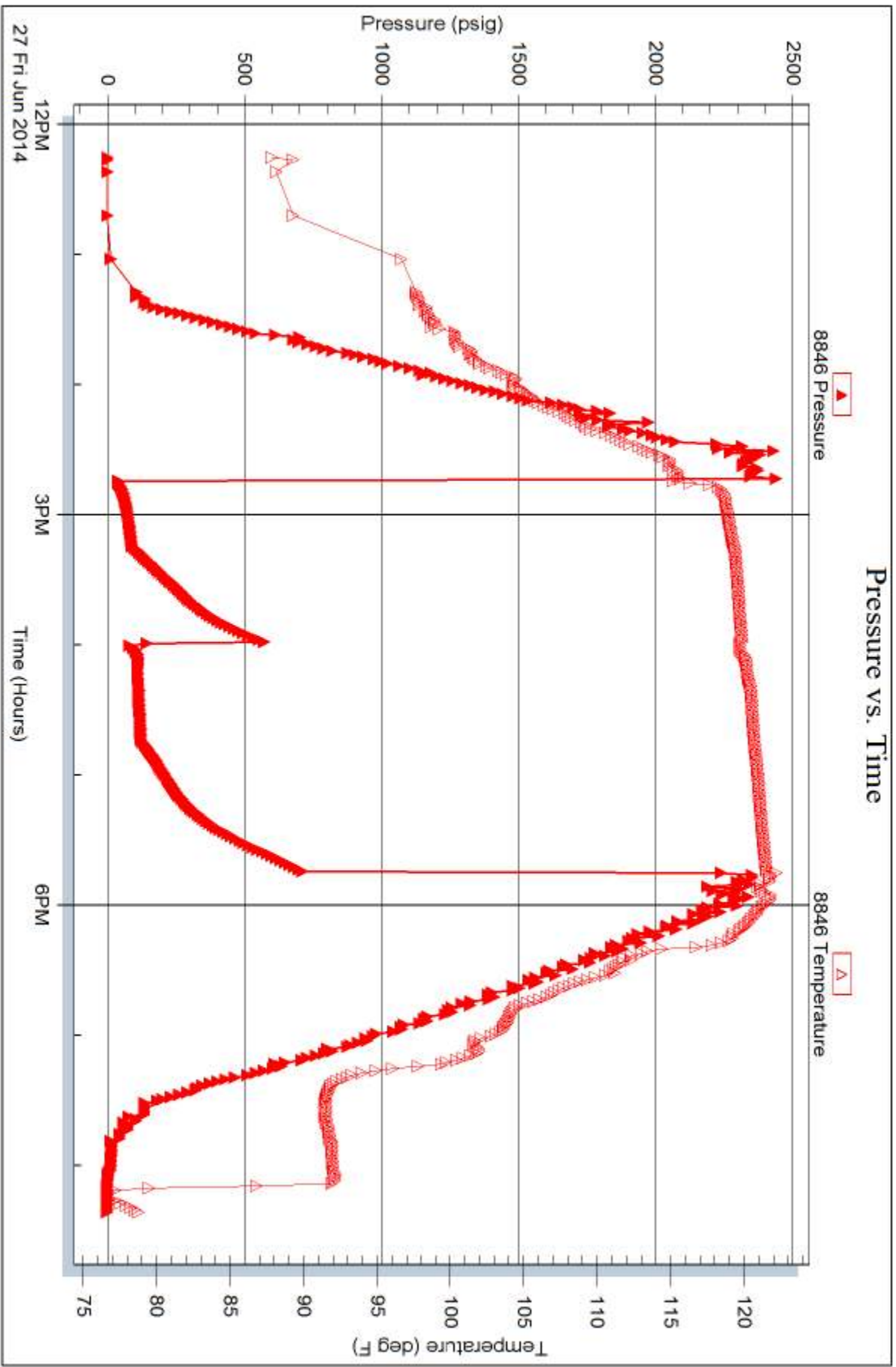
Serial #: 8846

Inside

American Warrior Inc.

Irisk-Equities #2-35

DST Test Number: 2

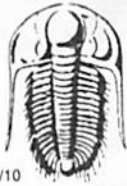


Trilobite Testing, Inc

Ref. No: 56557

Printed: 2014.06.30 @ 10:49:34





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 56656

4/10

Well Name & No. Irish - Equities # 2-35 Test No. 1 Date 6-26-14  
 Company American Warrior, Inc. Elevation 2854 KB 2843 GL  
 Address 3118 Cummings RD P.O. Box 399 Garden city, KS 67846  
 Co. Rep / Geo. Kevin Timson Rig Duke # 5  
 Location: Sec. 35 Twp. 24S Rge. 30W Co. Gray State KS

Interval Tested 4702 4760 Zone Tested Pawnee - chaslett  
 Anchor Length 58 Drill Pipe Run 4456 Mud Wt. 9.7  
 Top Packer Depth 4697 Drill Collars Run 274 Vis 49  
 Bottom Packer Depth 4702 Wt. Pipe Run Ø WL 10  
 Total Depth 4760 Chlorides 5500 ppm System LCM 3 1/2

Blow Description 30 Weak surface Blow Build to 1 1/2"  
30 No Return  
30 No Blow  
~~30~~ Pull No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 65 BHT 120 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>2415</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>5:45</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>6:45</u>
(C) First Final Flow <u>42</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>9:18</u>
(D) Initial Shut-In <u>1299</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>10:48</u>
(E) Second Initial Flow <u>46</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>13:37</u>
(F) Second Final Flow <u>80</u>	<input checked="" type="checkbox"/> Mileage <u>120 RT</u> 186	Comments
(G) Final Shut-In <u>—</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>230</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In P/T

Shale Packer  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility

Sub Total 1761

Sub Total 1761

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

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 56657

Well Name & No. Insik - Equities #2-35 Test No. 2 Date 6-27-14  
 Company American Warrior, Inc Elevation 2854 KB 2843 GL  
 Address 3118 Cummings RD P.O. Box 399 Garden city, KS 67546  
 Co. Rep / Geo. Kevin Timson Rig Duke #5  
 Location: Sec. 35 Twp. 24s Rge. 30w Co. Gray State KS

Interval Tested 4816 4894 Zone Tested Atoka - Morrow  
 Anchor Length 78 Drill Pipe Run 4552 Mud Wt. 9.2  
 Top Packer Depth 4811 Drill Collars Run 244 Vis 55  
 Bottom Packer Depth 4816 Wt. Pipe Run Ø WL 9.6  
 Total Depth 4894 Chlorides 4200 ppm System LCM 2#  
 Blow Description 30 B.O.B in 4 min.  
45 No Return.  
45 B.O.B in 1 min.  
60 No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>272</u>	<u>gmc</u>	<u>5</u>	<u>5</u>	<u>90</u>	
	<u>994' G.I. P</u>				

Rec Total 272 BHT 122 Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic <u>2442</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>11:00</u>
(B) First Initial Flow <u>45</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>12:15</u>
(C) First Final Flow <u>94</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>14:49</u>
(D) Initial Shut-In <u>584</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>17:49</u>
(E) Second Initial Flow <u>97</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>20:22</u>
(F) Second Final Flow <u>127</u>	<input checked="" type="checkbox"/> Mileage <u>120 RT</u> 186	Comments
(G) Final Shut-In <u>723</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2250</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1761</u>
Final Shut-In <u>40</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1761</u>	

Approved By \_\_\_\_\_ Our Representative Justin H

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 57671

4/10

Well Name & No. Irsik Equities #2-35 Test No. \_\_\_\_\_ Date 6-29-14  
 Company American Warrior Inc Elevation \_\_\_\_\_ KB \_\_\_\_\_ GL \_\_\_\_\_  
 Address 3118 Cummings Rd. P.O. Box 399 GC KS  
 Co. Rep / Geo. Kevin Timson Rig Duke #5  
 Location: Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ Rge. \_\_\_\_\_ Co. Gray State KS

Interval Tested \_\_\_\_\_ Zone Tested \_\_\_\_\_  
 Anchor Length \_\_\_\_\_ Drill Pipe Run \_\_\_\_\_ Mud Wt. \_\_\_\_\_  
 Top Packer Depth \_\_\_\_\_ Drill Collars Run \_\_\_\_\_ Vis \_\_\_\_\_  
 Bottom Packer Depth \_\_\_\_\_ Wt. Pipe Run \_\_\_\_\_ WL \_\_\_\_\_  
 Total Depth \_\_\_\_\_ Chlorides \_\_\_\_\_ ppm System \_\_\_\_\_ LCM \_\_\_\_\_  
 Blow Description \_\_\_\_\_

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	Feet of	%gas	%oil	%water	%mud

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

(A) Initial Hydrostatic \_\_\_\_\_  Test \_\_\_\_\_ T-On Location \_\_\_\_\_  
 (B) First Initial Flow \_\_\_\_\_  Jars \_\_\_\_\_ T-Started \_\_\_\_\_  
 (C) First Final Flow \_\_\_\_\_  Safety Joint \_\_\_\_\_ T-Open \_\_\_\_\_  
 (D) Initial Shut-In \_\_\_\_\_  Circ Sub \_\_\_\_\_ T-Pulled \_\_\_\_\_  
 (E) Second Initial Flow \_\_\_\_\_  Hourly Standby \_\_\_\_\_ T-Out \_\_\_\_\_  
 (F) Second Final Flow \_\_\_\_\_  Mileage 120 RT 186 Comments Loaded tools at 10:00 AM  
 (G) Final Shut-In \_\_\_\_\_  Sampler \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 (H) Final Hydrostatic \_\_\_\_\_  Straddle \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Open \_\_\_\_\_  Shale Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In \_\_\_\_\_  Extra Packer \_\_\_\_\_ Sub Total 800  
 Final Flow \_\_\_\_\_  Extra Recorder \_\_\_\_\_ Total 986  
 Final Shut-In \_\_\_\_\_  Day Standby 1d 13.75h  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 186

Approved By \_\_\_\_\_ Our Representative Mdu Polato

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# CEMENTING LOG

Date 6/20/2014 District Liberal # 21 Ticket No. 53144  
 Company AMERICAN WARRIOR Rig DUKE # 5  
 Lease IRSIK Well No 2-25  
 County GRAY State KS.

### CEMENT DATA

Spacer Type 10 BBLs H2O  
 Amt.          Sks Yield          ft<sup>3</sup>/sk Density 8.34 PPG

Location \_\_\_\_\_  
 Field \_\_\_\_\_

LEAD: Time \_\_\_\_\_ hrs. Type CLASS A 65/35/6%GEL  
3%CC, .5LB/SK FLOSEAL Excess 100%

Casing Data  Conductor  PTA  Squeeze  Misc.  
 Surface  Intermediate  Production  Liner

Amt. 625 Sks Yield 2 ft<sup>3</sup>/sk Density 12.46 PPG

Size 8 5/8 Type j-55 Weight 24# Collar \_\_\_\_\_

TAIL: Time \_\_\_\_\_ hrs. Type CLASS A  
3%CC, 1/4 LB/SK FLOSEAL Excess 100%

Amt. 200 Sks Yield 1.2 ft<sup>3</sup>/sk Density 15.6 PPG

WATER Lead 10.9 Gal/sk Tail 5.2 Gal/sk Total 187 BBLs

Casing Depths Top \_\_\_\_\_ Bottom 1698 ft.

Pump Trucks Used: 531-541

Bulk Equipment 774-744  
373-308

Drill Pipe: BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_

Float Equipment: Manufacturer WEATHERFORD

Open Hole: BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_

Shoe: Type GGUIDESHOE Depth 1698 FT.

Capacity Factors: BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_

Float: Type AFU INSERTFLOAT Depth 1655/.85 FT.

Casing BBLs/LIN. FT 0.0637 LIN. FT/BBL 15.698

Centralizers: Quantity 3 Plugs Top 1 Bottom \_\_\_\_\_

Open Holes BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_

Stage Collars \_\_\_\_\_

Drill Pipe BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_

Special Equipment \_\_\_\_\_

Annulus BBLs/LIN. FT 0.0735 LIN. FT/BBL 13.605

Disp: Fluid Type H2O Amt 105.5 bbls Weight 8.34 PPG

BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_

Mud Type \_\_\_\_\_ Weight \_\_\_\_\_

Perforations From \_\_\_\_\_ ft to \_\_\_\_\_ ft Amt \_\_\_\_\_

COMPANY REPRESENTATIVE \_\_\_\_\_ CEMENTER Ruben Chavez

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
5:30						Got To Location Spot Trucks, And Rig Up.
8:00						Have A Prejob Safety Meeting
8:15	200		2	2	2	Pump 2 BBLs H2O To Fill Pump Lines
8:20						PRESSURE TEST 2500 PSI pumping lines
8:23	200		10	8	5	Start pumping 10 bbls h2o SPACER
8:25	250		232.6	222.6	6	Start pumping 625 sk cement, 222.6 bbls slurry
9:00	220		275.3	42.7	4.5	Start pumping tail cement 200 sk cement 42.7 bbls slurry.
9:10						Shut down
						Wash pumping lines
9:13						Drop plug
9:15	0		370.3	95	6	Start displacement
9:32	650		380.8	10.5	3	Slow down pumping rate
9:36	800					Finished displacement
	1300					Bump plug at 1300 psi
9:40	1300					Release pressure float held good
						Circulate 55 BBLs SLURRY to pit
						Job finished
						Rig down
						Thank you

FINAL DISP. PRESS. 800 PSI BUMP PLUG TO 1300 PSI BLEEDBACK 0.5 BBLs **THANK YOU**



CHARGE TO: American Warrior  
 ADDRESS \_\_\_\_\_  
 CITY, STATE, ZIP CODE \_\_\_\_\_

TICKET 25598

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Atchafalaya KS</u>	WELL/PROJECT NO. <u>* 2-35</u>	LEASE <u>Irsik Equities</u>	COUNTY/PARISH <u>Gray</u>	STATE <u>KS</u>	CITY <u>Garden City</u>	DATE <u>6-29-14</u>	OWNER
2. <u>Hys</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Duke Drilling</u>	RIG NAME/NO. <u>#5</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Location</u>	ORDER NO.	
3.	WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Cement 5 1/2" Longstring</u>	WELL PERMIT NO.	WELL LOCATION <u>Garden City - 20w, 10s, 1w, 1/2w</u>		
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			100	mi	6 <sup>00</sup>	600 <sup>00</sup>
578		1			Pump Charge - Longstring			1	job	1500 <sup>00</sup>	1500 <sup>00</sup>
402		1			Centralizer			5 1/2	in	10 <sup>00</sup>	700 <sup>00</sup>
403		1			Cement Basket			5 1/2	in	2 <sup>00</sup>	600 <sup>00</sup>
406		1			Latch Down Plug + Baffle			5 1/2	in	1 <sup>00</sup>	275 <sup>00</sup>
407		1			Insert Flout Shoe w/Auto Fill			5 1/2	in	1 <sup>00</sup>	375 <sup>00</sup>

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X Ronald M. Lue  
 DATE SIGNED 6-29-14 TIME SIGNED 1800  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	4050 <sup>00</sup>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				#2	6349 <sup>00</sup>
WE UNDERSTOOD AND MET YOUR NEEDS?				subtotal	10,399 <sup>00</sup>
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Gray TAX 7.3%	513 <sup>30</sup>
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	10,912 <sup>30</sup>
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				



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

TICKET CONTINUATION

TICKET No. 25598

CUSTOMER American Warrior WELL Lrsik Equities #2-35 DATE 6-29-14 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					175	sk	14	50	2537	50
284		1				Cal Seal	5	%			8	sk	35	00	280	00
283		1				Salt	10	%			900	lbs	00	20	180	00
292		1				Halact-322	34	%			150	lbs	8	00	1200	00
276		1				Flocle	1/4	lb			50	lbs	2	50	125	00
290		1				D-Air					2	gal	42	00	84	00
281		1				Mud Flush					500	gal	1	25	625	00
221		1				Liquid KCL					2	gal	25	00	50	00
581		1				SERVICE CHARGE					CUBIC FEET	175	2	00	350	00
583		1				MILEAGE CHARGE	TOTAL WEIGHT	18350	LOADED MILES	100	TON MILES	917.50	1	00	917	50

CONTINUATION TOTAL 6349.00

JOB LOG

SWIFT Services, Inc.

DATE 6-29-14 PAGE NO.

CUSTOMER American Whurrer WELL NO. 2-35 LEASE Irsik Equities JOB TYPE Cement 5 1/2" Longstring TICKET NO. 25598

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1700							on location
								RTD-5100 LTD-5101 TP-5091.37 SJ #1 20.86 Cent-1,2,3,4,5,7,9,11,13,15 Basket - 2, 6 5 1/2" 15.5"
	1815							Start 5 1/2" 15.5" casing in well
	2015							Drop Ball circulate
	2035	6 1/2	12		✓		400	Pump 500 gal Mud flush
		6 1/2	20		✓		400	Pump 20 bbl KCL Flush
			7-5					Plug RH - MH (30-20)
	2050	4 1/2	30		✓		300	mix 125 slts EA-2 @ 15.5 ppg
								wash out Pump + Lines Release Latch Down Plug
	2105	6 1/2	0		✓		100	Start Displacement
		6 1/2	96		✓		500	Lift Pressure
		6 1/2	120		✓		900	Max Lift Pressure
	2123	6 1/2	120.7		✓		1700	Land Latch Down Plug
								Release Pressure - Hold -
								wash up truck
	2145							Job Complete

Thank You  
Dave Jon Craig