



KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1096366

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 4058
Name: American Warrior, Inc.
Address 1: 3118 Cummings Rd
Address 2: PO BOX 399
City: GARDEN CITY State: KS Zip: 67846 +
Contact Person: Joe Smith
Phone: (620) 275-2963
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Kevin Timson
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
☐ Conv. to GSW

☐ Plug Back: _____ Plug Back Total Depth

☐ Commingled Permit #: _____

☐ Dual Completion Permit #: _____

☐ SWD Permit #: _____

☐ ENHR Permit #: _____

☐ GSW Permit #: _____

09/06/2012 09/15/2012 09/15/2012

Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-135-25473-00-00

Spot Description: _____

NW NE SW SW Sec. 32 Twp. 20 S. R. 26 ☐ East ☒ West

1128 Feet from ☐ North / ☒ South Line of Section

715 Feet from ☐ East / ☒ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☐ SE ☒ SW

County: Ness

Lease Name: Irsik - Ness Well #: 1-32

Field Name: _____

Producing Formation: None

Elevation: Ground: 2542 Kelly Bushing: 2554

Total Depth: 4604 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 222 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: 15000 ppm Fluid volume: 60 bbls

Dewatering method used: Evaporated

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

☐ Letter of Confidentiality Received

Date: _____

☐ Confidential Release Date: _____

☐ Wireline Log Received

☒ Geologist Report Received

☐ UIC Distribution

ALT ☐ I ☒ II ☐ III Approved by: Deanna Garrison Date: 10/12/2012



1096366

Operator Name: American Warrior, Inc. Lease Name: Irsik - Ness Well #: 1-32
 Sec. 32 Twp. 20 S. R. 26 ☐ East ☒ West County: Ness

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☒ Yes ☐ No
 (Attach Additional Sheets)

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores Taken ☐ Yes ☒ No

Electric Log Run ☐ Yes ☒ No

Electric Log Submitted Electronically ☐ Yes ☐ No
 (If no, Submit Copy)

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☒ Sample
 Name Top Datum
 Attached Attached Attached

CASING RECORD ☒ New ☐ 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
Surface	12.250	8.625	24	222	Class A	150	3%CC, 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	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

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled (Submit ACO-5) (Submit ACO-4) ☐ Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
--	---	--

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Irsik - Ness 1-32
Doc ID	1096366

Tops

Name	Top	Datum
Heebner	3876'	-1322
Lansing	3917'	-1363
Stark	4204	-1650
B/KC	4305'	-1751
Marmaton	4338'	-1784
Pawnee	4441'	-1887
Ft.Scott	4473	-1919
Cherokee	4495'	-1941
Mississippian	4587'	-2033

ALLIED OIL & GAS SERVICES, LLC 053791

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

DATE <u>9-6-12</u>	SEC. <u>32c</u>	TWP. <u>20S</u>	RANGE <u>26W</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00</u>	JOB FINISH <u>6:00</u>
LEASE <u>Tricks</u>			WELL # <u>1-32</u>	LOCATION <u>Back of sec 13S 1/4W</u>		COUNTY <u>MISS</u>	STATE <u>MS</u>
OLD OR <u>NEW</u> (Circle one)			<u>Niagara</u>		<u>Hodgeman</u>		

CONTRACTOR <i>Duke Drilling Rq 25</i>		OWNER <i>1.01</i>	
TYPE OF JOB <i>5 in Case</i>			
HOLE SIZE <i>12 1/4</i>	T.D.	CEMENT	
CASING SIZE <i>11 5/8</i>	DEPTH <i>222.69</i>	AMOUNT ORDERED <i>150 SKS Class 43 nec</i>	
TUBING SIZE	DEPTH	<i>2 3/4 gal</i>	
DRILL PIPE <i>1 1/2</i>	DEPTH		
TOOL	DEPTH		
PRES. MAX	MINIMUM	COMMON <i>150</i>	@ <i>17.90</i> <i>2,685.00</i>
MEAS. LINE	SHOE JOINT	POZMIX	@
CEMENT LEFT IN CSG. <i>15 ft</i>		OEL <i>3</i>	@ <i>23.90</i> <i>70.20</i>
PERFS.		CHLORIDE <i>5</i>	@ <i>64.00</i> <i>320.00</i>
DISPLACEMENT <i>13.24 bbls freshwater</i>		ASC	@
EQUIPMENT			@

PUMP TRUCK	CEMENTER	<i>Dustin / Numbers</i>
# <i>398</i>	HELPER	<i>Trint Hall 2</i>
BULK TRUCK		
# <i>544-190</i>	DRIVER	<i>Joel Monahan 2</i>
BULK TRUCK		
#	DRIVER	

REMARKS:

Bank circulation in the Baymond
pump 5 bbls fresh water ahead
Mts 150 gals class A 3 1/2 cc 24 gal
Displace 13,24 bbls fresh water
9 1/2 hours in
General Pitt circulation
Pump Range 10:00 pm
Pura 1050

CEMENT					
AMOUNT ORDERED <u>150 SKS Class A 3" x 6"</u>					
<u>24 bags</u>					
COMMON	<u>150</u>	@	<u>17.90</u>	<u>2,685.⁰⁰</u>	
POZMIX		@			
OEL	<u>3</u>	@	<u>23.40</u>	<u>70.20</u>	
CHLORIDE	<u>5</u>	@	<u>64.00</u>	<u>320.⁰⁰</u>	
ASC		@			
		@			
		@			
		@			
		@			
		@			
		@			
		@			
		@			
		@			
HANDLING	<u>162.09</u>	@	<u>2.48</u>	<u>401.98</u>	
MILEAGE	<u>2.4 X 30%</u>		<u>2.60</u>	<u>577.20</u>	
				<u>122</u>	
				TOTAL	<u>4,054.⁰⁰</u>

SERVICE

DEPTH OF JOB	222		
PUMP TRUCK CHARGE		1512.38	
EXTRA FOOTAGE			
MILEAGE	Hum 30	7.70	231.90
MANIFOLD			
	Hum 30	4.40	132.00

CHARGE TO: American Woodcraft FNC

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 1.875.³⁵

PLUG & FLOAT EQUIPMENT

	1	
	2	
	3	
	4	
	5	

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.

SALES TAX (If Any) 229.10

TOTAL CHARGES 5,929.63

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME KENNETH M'GUIRE

SIGNATURE K. Kenneth P. Line

Thank You!!

ALLIED OIL & GAS SERVICES, LLC 053798

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Great Bend, KS

DATE <u>9-14-12</u>	SEC <u>32</u>	TWP <u>20S</u>	RANGE <u>26W</u>	CALLED OUT	ON LOCATION	JOB START <u>10:30</u>	JOB FINISH <u>11:30</u>
LEASE <u>PRK-NESS</u>	WELL # <u>1-32</u>	LOCATION <u>Beeler, KS 135 1/2 mi N</u>			COUNTY <u>NESS</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Duke Drilling Rig #5

TYPE OF JOB Booring Plug

HOLE SIZE 2 1/4" T.D.

CASING SIZE 16 7/8" DEPTH

TUBING SIZE DEPTH

DRILL PIPE 4 1/2" DEPTH 1830

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG ALL

PERFS.

DISPLACEMENT Pressure

EQUIPMENT

OWNER

CEMENT

AMOUNT ORDERED 300 SKS 607, 6175A

104.002 47 gal 1/4 fl

COMMON	180	@ 17.90	3,222.00
POZMIX	120	@ 9.35	1,122.00
GEL	10	@ 23.40	234.00
CHLORIDE		@	
ASC		@	
Flt Seal	75	@ 2.97	222.75
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	321.64	@ 2.48	797.27
MILEAGE	13.43 x 30 x	2.60	1047.59
TOTAL			6,646.00

PUMP TRUCK CEMENTER Rustin Chambers

398 HELPER Tosh Isaac

BULK TRUCK

344-170 DRIVER Joel M. Mahan

BULK TRUCK

DRIVER

REMARKS:

fill hole with Reg mud

1. 1830-50 SKS

2. 1020-80 SKS

3. 510-50 SKS

4. 270-50 SKS

5. 60-20 SKS

BH 30 SKS

PH 20 SKS

Plug Perin 11:00 PM

CHARGE TO: American Water INC

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE	2249.84		
EXTRA FOOTAGE	@		
MILEAGE	Hvm 30	@ 7.70	231.00
MANIFOLD	@		
	Lvm 30	@ 4.40	132.00
	@		
TOTAL			2,612.84

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

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.

PRINTED NAME X KENNETH M. GURE

SIGNATURE X Kenneth M. Gure

Thank You!!

SALES TAX (If Any) 583.31

TOTAL CHARGES 9,258.84

DISCOUNT 30% 2,777.65

IF PAID IN 30 DAYS

6,481.19

Geological Report

American Warrior, Inc.

Irsik-Ness #1-32

1128' FSL & 715' FWL

Sec. 32, T20s, R26w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Irsik-Ness #1-32
1128' FSL & 715' FWL
Sec. 32, T20s, R26w
Ness County, Kansas
API # 15-135-25473-0000

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Kevin Timson

Spud Date: September 7, 2012

Completion Date: September 15, 2012

Elevation 2543' Ground Level
2554' Kelly Bushing

Directions: From Beeler, KS at intersection of Hwy 96 and C Rd South. Go 13 miles South on C Rd. Now go 1 miles West on County line. South through stake. Continue .9 miles West on lease road, and North into location.

Casing: #24 8 5/8" Surface casing set @ 222' with 150 sacks Class A, 3% c.c, 2% gel.

Samples: 3800' to RTD 10' wet and dry,

Drilling Time: 3600' to RTD

Electric Logs: None

Drillstem Tests: Two Trilobite Testing "Jace McKinney"

Remarks: Failed packer on DST #1

Formation Tops

Formation

Anhydrite

Base

Heebner

Lansing

Stark

BKC

Marmaton

Pawnee

Fort Scott

Cherokee

Mississippian

RTD

American Warrior, Inc.

Irsik-Ness #1-32

Sec. 32, T20s, R26w

1128' FSL & 715' FWL

NA

NA

3876' -1322

3917' -1363

4204' -1650

4305' -1751

4338' -1784

4441' -1887

4473' -1919

4495' -1941

4587' -2033

4604' -2050

Sample Zone Descriptions

Mississippian Warsaw (4604' -2050): Covered in DST #2

Dolomite- Tan/Grey. Sub to medium crystalline. Poor vuggy porosity. No stain. Slight odor. No show of free oil.

Drill Stem Tests
Trilobite Testing Inc.
"Sam Esparza"

DST #1

Mississippian Warsaw

Interval (4505' – 4604') Anchor Length 99'

FAILED PACKER SEAT

IHP - 2359 #

FHP - 2245 #

BHT - 121 ° F

Recovery: NA

DST #2

Mississippian Warsaw

Interval (4597' – 4604') Anchor Length 7'

IHP - 2436 #

IFP - 45" – Built to 10" blow 20-144 #

ISI - 45" – No return 1356 #

FFP - 45" – Built to 8" blow 145-195 #

FSIP - 45" – No return 1355 #

FHP - 2246 #

BHT - 133° F

Recovery: 420' Water

Structural Comparison

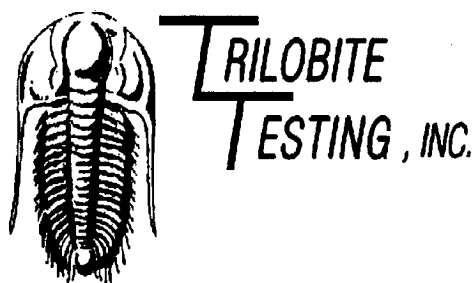
	American Warrior, Inc.		American Warrior, Inc.	Oxford Exploration Co.	
	Irsik-Ness #1-32		Robison #1-33	Schauvliege Trust #1	
	Sec. 32, T20s, R26w		Sec. 33, T20s, R26w	Sec. 32, T20s, R26w	
Formation	1128' FSL & 715' FWL		1101' FNL & 1374' FWL	C SE NW	
Anhydrite	NA	NA	NA	1840' +736	NA
Base	NA	NA	NA	1872' +699	NA
Heebner	3876' -1322	+5	3815' -1327	3911' -1335	+13
Lansing	3917' -1363	+7	3858' -1370	3954' -1378	+15
Stark	4204' -1650	-	4138' -1650	4239' -1663	+13
BKC	4305' -1751	+5	4244' -1756	4336' -1760	+9
Marmaton	4338' -1784	+4	4276' -1788	4370' -1794	+10
Pawnee	4441' -1887	-15	4360' -1872	4467' -1891	-10
Fort Scott	4473' -1919	-11	4396' -1908	4492' -1916	-3
Cherokee	4495' -1941	-11	4418' -1930	4514' -1938	-3
Mississippian	4587' -2033	-26	4495' -2007	4597' -2021	-12

Summary

The location for the Irsik-Ness #1-32 well was found via 3-D seismic survey. The new well ran structurally low via the survey. Two drill stem test were conducted, which were negative. After all the gathered data had been examined the decision was made to plug and abandon the Irsik-Ness #1-32 well.

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

3118 Cummings Rd
PO Box 399
Garden City KS 67846

ATTN: Kevin Timson

Irsik-Ness #1-32

31-20s-26w Ness,KS

Start Date: 2012.09.13 @ 19:10:00

End Date: 2012.09.14 @ 02:00:15

Job Ticket #: 48887 DST #: 1

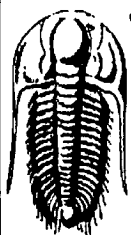
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.09.18 @ 11:09:32

American Warrior Inc 31-20s-26w Ness,KS Irsik-Ness #1-32 DST # 1 Mississippian 2012.09.13



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc

3118 Cummings Rd
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

31-20s-26w Ness,KS

Irsik-Ness #1-32

Job Ticket: 48887

DST#: 1

Test Start: 2012.09.13 @ 19:10:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 02:00:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 46

Interval: **4505.00 ft (KB) To 4604.00 ft (KB) (TVD)**

Total Depth: 4604.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2564.00 ft (KB)

2554.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8675 Inside

Press@RunDepth: psig @ ft (KB)

Start Date: 2012.09.13

End Date:

2012.09.14

Start Time: 19:10:15

End Time:

02:00:15

Capacity: 8000.00 psig

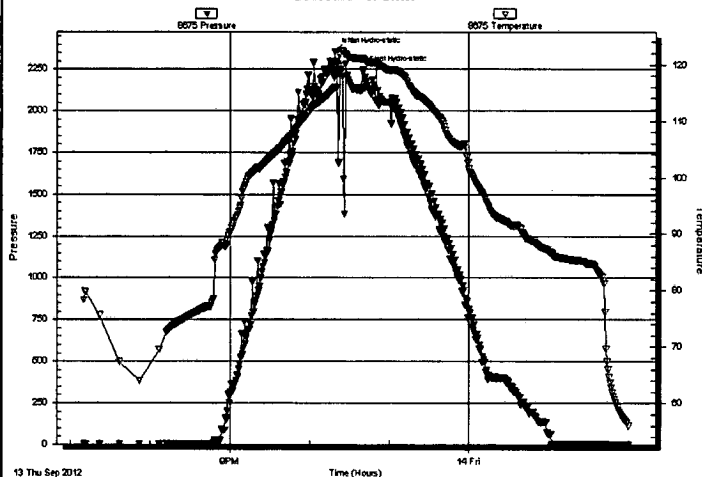
Last Calib.: 2012.09.14

Time On Btm: 2012.09.13 @ 22:19:00

Time Off Btm: 2012.09.13 @ 22:40:00

TEST COMMENT: Packers failed

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2358.55	116.00	Initial Hydro-static
21	2244.84	121.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1000.00	100% Mud	11.45

Gas Rates

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



American Warrior Inc

3118 Cummings Rd
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

31-20s-26w Ness.KS

Irsik-Ness #1-32

Job Ticket: 48887

DST#: 1

Test Start: 2012.09.13 @ 19:10:00

Formation: Mississippian

Deviated:	No	Whipstock:	ft (KB)
-----------	----	------------	---------

Time Tool Opened:

Time Test Ended: 02:00:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 46

Interval: 4505.00 ft (KB) To 4604.00 ft (KB) (TVD)

Total Depth: 4604.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2564.00 ft (KB)

2554.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8650 Outside

Press@RunDepth: psig @ 4506.00 ft (KB)

Start Date: 2012.09.13

End Date:

2012.09.14

Start Time: 19:10:15

End Time:

02:00:00

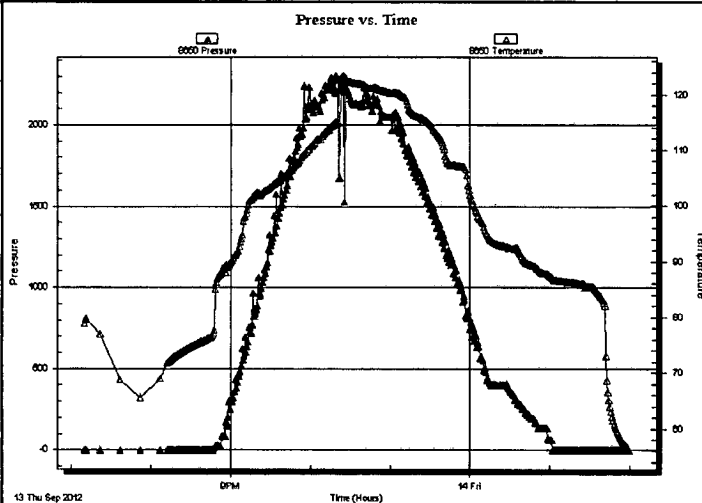
Capacity: 8000.00 psig

Last Calib.: 2012.09.14

Time On Btm:

Time Off Btm:

TEST COMMENT: Packers failed



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1000.00	100% Mud	11.45

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

31-20s-26w Ness,KS

3118 Cummings Rd
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

Irsik-Ness #1-32

Job Ticket: 48887

DST#: 1

Test Start: 2012.09.13 @ 19:10:00

Tool Information

Drill Pipe:	Length: 4207.99 ft	Diameter: 3.80 inches	Volume: 59.03 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 282.83 ft	Diameter: 2.25 inches	Volume: 1.39 bbl	Weight to Pull Loose:	110000.0 lb
		Total Volume:	60.42 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.32 ft			String Weight: Initial	80000.00 lb
Depth to Top Packer:	4505.00 ft			Final	85000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	99.00 ft				
Tool Length:	126.50 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4478.50	
Shut In Tool	5.00			4483.50	
Hydraulic tool	5.00			4488.50	
Jars	5.00			4493.50	
Safety Joint	2.50			4496.00	
Packer	5.00			4501.00	27.50 Bottom Of Top Packer
Packer	4.00			4505.00	
Stubb	1.00			4506.00	
Recorder	0.00	8675	Inside	4506.00	
Recorder	0.00	8650	Outside	4506.00	
Perforations	30.00			4536.00	
Change Over Sub	1.00			4537.00	
Drill Pipe	63.00			4600.00	
Change Over Sub	1.00			4601.00	
Bullnose	3.00			4604.00	99.00 Bottom Packers & Anchor

Total Tool Length: 126.50



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

31-20s-26w Ness,KS

3118 Cummings Rd
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

Irsik-Ness #1-32

Job Ticket: 48887

DST#: 1

Test Start: 2012.09.13 @ 19:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 14.36 in³

Resistivity: ohm.m

Salinity: 3100.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1000.00	100% Mud	11.451

Total Length: 1000.00 ft Total Volume: 11.451 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

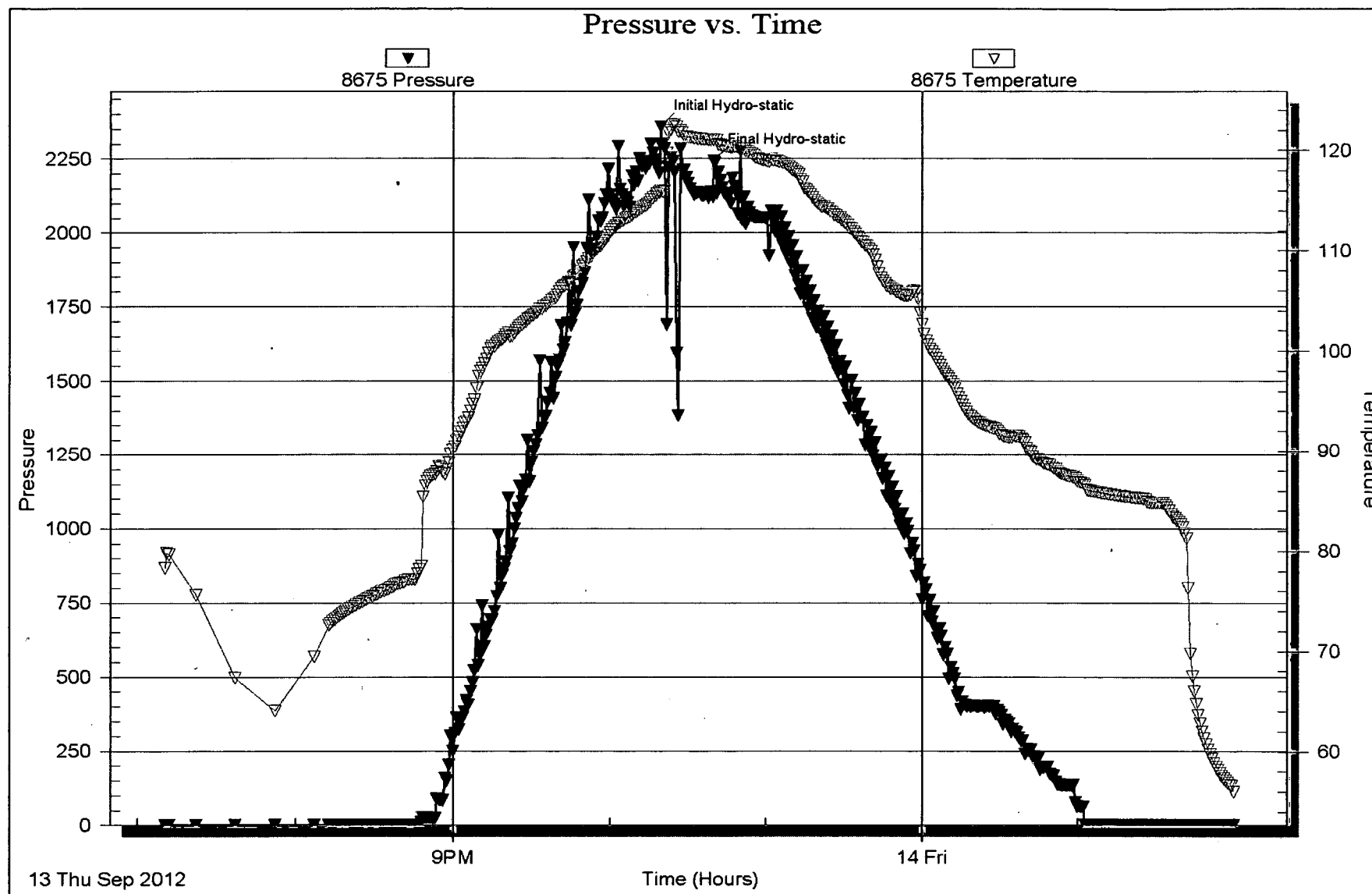
Serial #: 8675

Inside

American Warrior Inc

Irsik-Ness #1-32

DST Test Number: 1

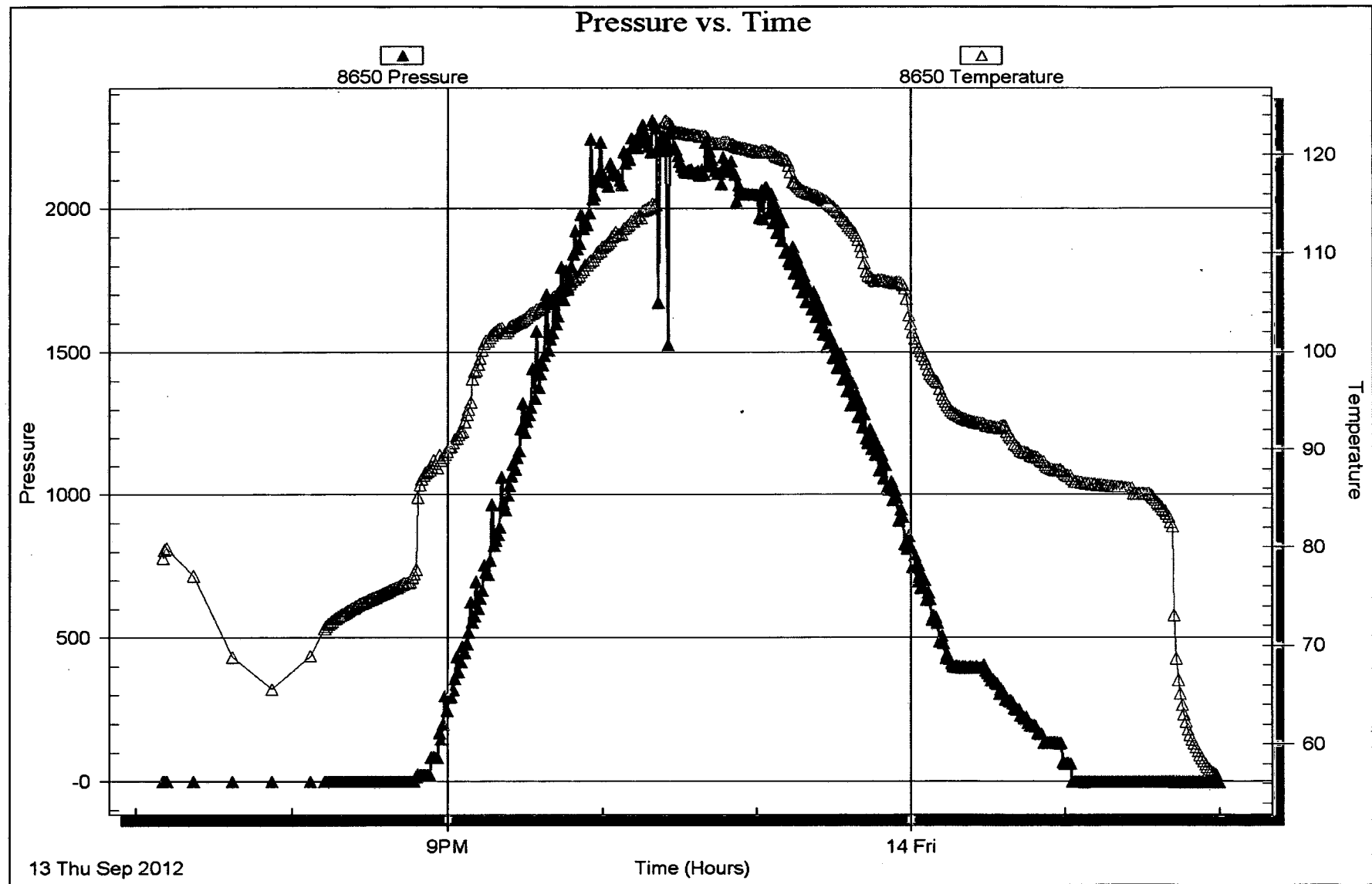


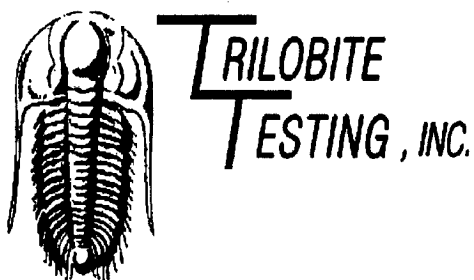
Serial #: 8650

Outside American Warrior Inc

Irsik-Ness #1-32

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

3118 Cummings Rd
PO Box 399
Garden City KS 67846

ATTN: Kevin Timson

Irsik-Ness #1-32

31-20s-26w Ness,KS

Start Date: 2012.09.14 @ 02:25:55

End Date: 2012.09.14 @ 10:07:10

Job Ticket #: 48888 DST #: 2

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

Printed: 2012.09.18 @ 11:08:39

American Warrior Inc

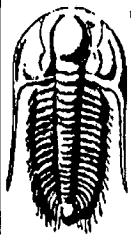
31-20s-26w Ness,KS

Irsik-Ness #1-32

DST # 2

Mississippian

2012.09.14



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc

3118 Cummings Rd
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

31-20s-26w Ness, KS

Irsik-Ness #1-32

Job Ticket: 48888

DST#: 2

Test Start: 2012.09.14 @ 02:25:55

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:17:55

Time Test Ended: 10:07:10

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: **4597.00 ft (KB) To 4604.00 ft (KB) (TVD)**

Total Depth: 4604.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2564.00 ft (KB)

2554.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8675

Inside

Press@RunDepth: 194.60 psig @ 4598.00 ft (KB)

Start Date: 2012.09.14

End Date:

2012.09.14

Start Time: 02:26:10

End Time:

10:07:10

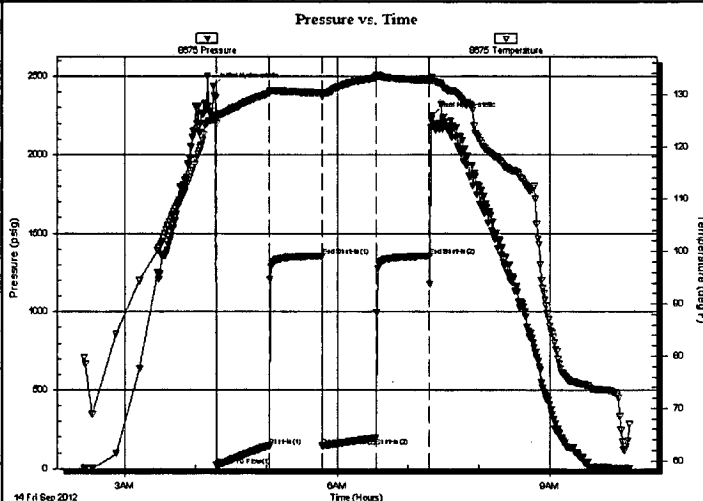
Capacity: 8000.00 psig

Last Calib.: 2012.09.14

Time On Btm: 2012.09.14 @ 04:15:10

Time Off Btm: 2012.09.14 @ 07:19:55

TEST COMMENT: Built to 10" blow
No return blow
Built to 8" blow
No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2436.12	125.17	Initial Hydro-static
3	20.20	124.45	Open To Flow (1)
48	143.85	130.20	Shut-In(1)
92	1356.13	130.32	End Shut-In(1)
93	144.61	129.66	Open To Flow (2)
138	194.60	133.17	Shut-In(2)
183	1355.13	132.69	End Shut-In(2)
185	2246.16	133.15	Final Hydro-static

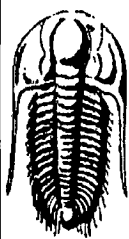
Recovery

Length (ft)	Description	Volume (bbl)
420.00	100% Water	3.32

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc

3118 Cummings Rd
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

31-20s-26w Ness,KS

Irsik-Ness #1-32

Job Ticket: 48888

DST#: 2

Test Start: 2012.09.14 @ 02:25:55

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:17:55

Time Test Ended: 10:07:10

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: **4597.00 ft (KB) To 4604.00 ft (KB) (TVD)**

Total Depth: 4604.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2564.00 ft (KB)

2554.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8650 Outside

Press@RunDepth: psig @ 4598.00 ft (KB)

Start Date: 2012.09.14

End Date:

2012.09.14

Capacity: 8000.00 psig

Last Calib.:

2012.09.14

Start Time: 02:25:15

End Time:

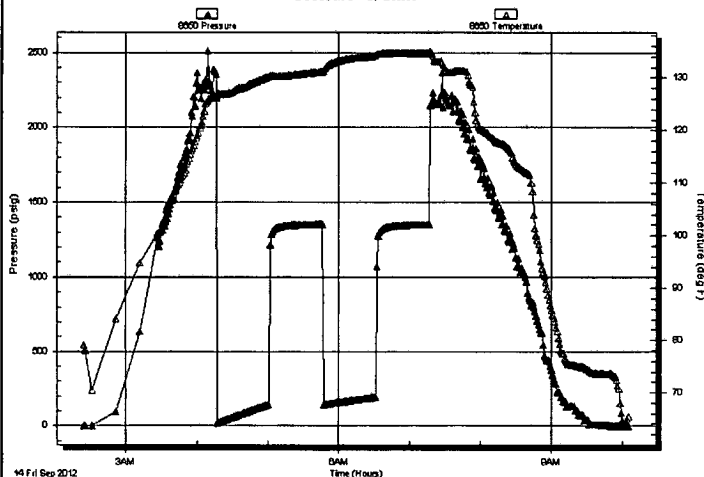
10:06:00

Time On Btm:

Time Off Btm:

TEST COMMENT: Built to 10" blow
No return blow
Built to 8" blow
No return blow

Pressure vs. Time



PRESSURE SUMMARY

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

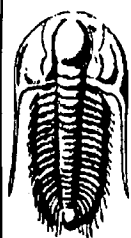
Recovery

Length (ft)	Description	Volume (bbl)
420.00	100% Water	3.32

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

31-20s-26w Ness,KS

3118 Cummings Rd
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

Irsik-Ness #1-32

Job Ticket: 48888

DST#: 2

Test Start: 2012.09.14 @ 02:25:55

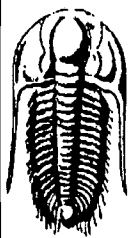
Tool Information

Drill Pipe:	Length: 4303.18 ft	Diameter: 3.80 inches	Volume: 60.36 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 282.83 ft	Diameter: 2.25 inches	Volume: 1.39 bbl	Weight to Pull Loose:	92000.00 lb
		Total Volume:	61.75 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.51 ft			String Weight: Initial	82000.00 lb
Depth to Top Packer:	4597.00 ft			Final	86000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	7.00 ft				
Tool Length:	34.50 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4570.50	
Shut In Tool	5.00			4575.50	
Hydraulic tool	5.00			4580.50	
Jars	5.00			4585.50	
Safety Joint	2.50			4588.00	
Packer	5.00			4593.00	27.50 Bottom Of Top Packer
Packer	4.00			4597.00	
Stubb	1.00			4598.00	
Recorder	0.00	8675	Inside	4598.00	
Recorder	0.00	8650	Outside	4598.00	
Perforations	3.00			4601.00	
Change Over Sub	0.00			4601.00	
Drill Pipe	0.00			4601.00	
Change Over Sub	0.00			4601.00	
Bullnose	3.00			4604.00	7.00 Bottom Packers & Anchor

Total Tool Length: 34.50



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

31-20s-26w Ness,KS

3118 Cummings Rd
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

Irsik-Ness #1-32

Job Ticket: 48888

DST#: 2

Test Start: 2012.09.14 @ 02:25:55

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 14.36 in³

Resistivity: ohm.m

Salinity: 3100.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
420.00	100% Water	3.315

Total Length: 420.00 ft

Total Volume: 3.315 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

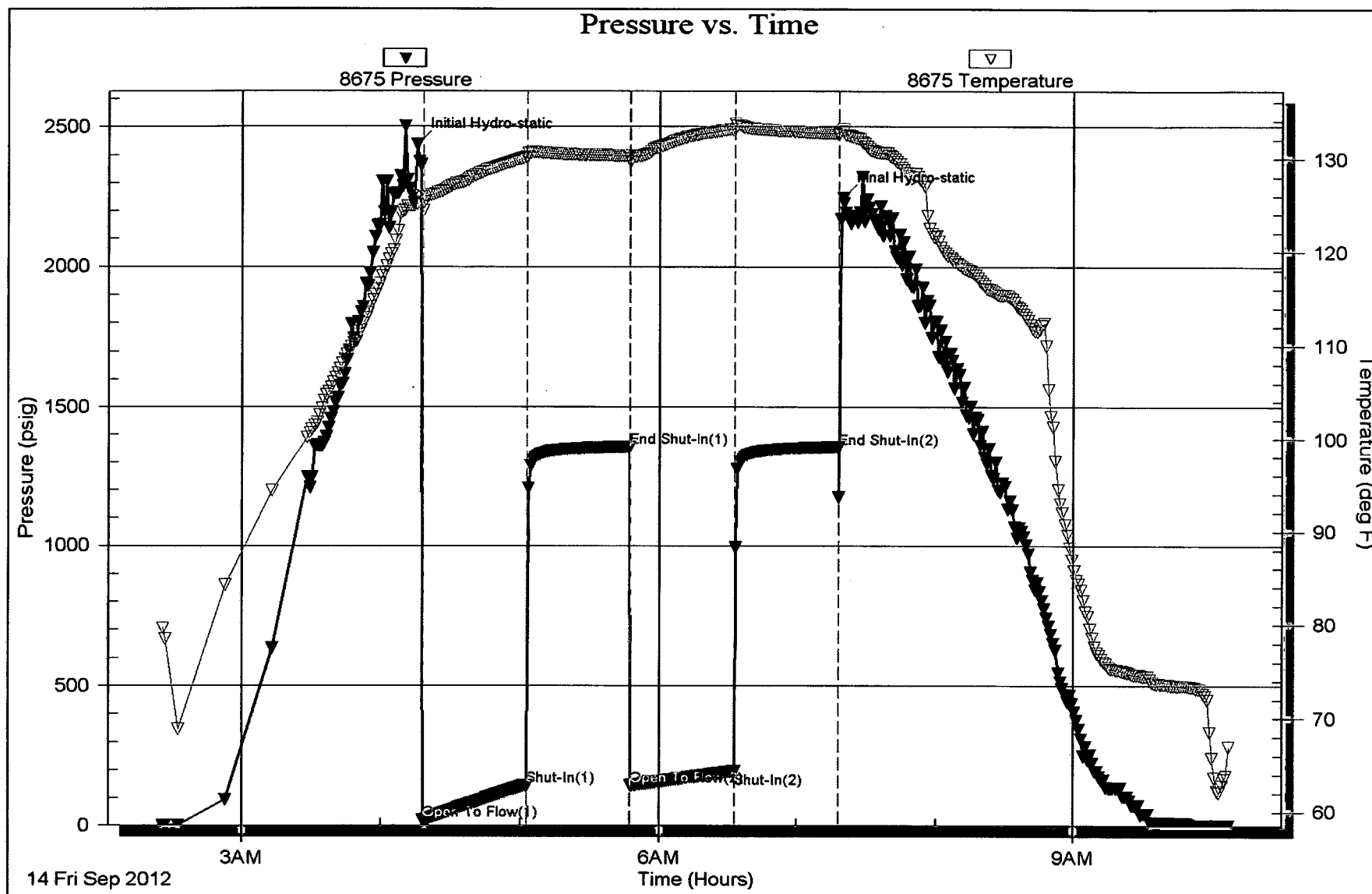
Serial #: 8675

Inside

American Warrior Inc

Irsik-Ness #1-32

DST Test Number: 2

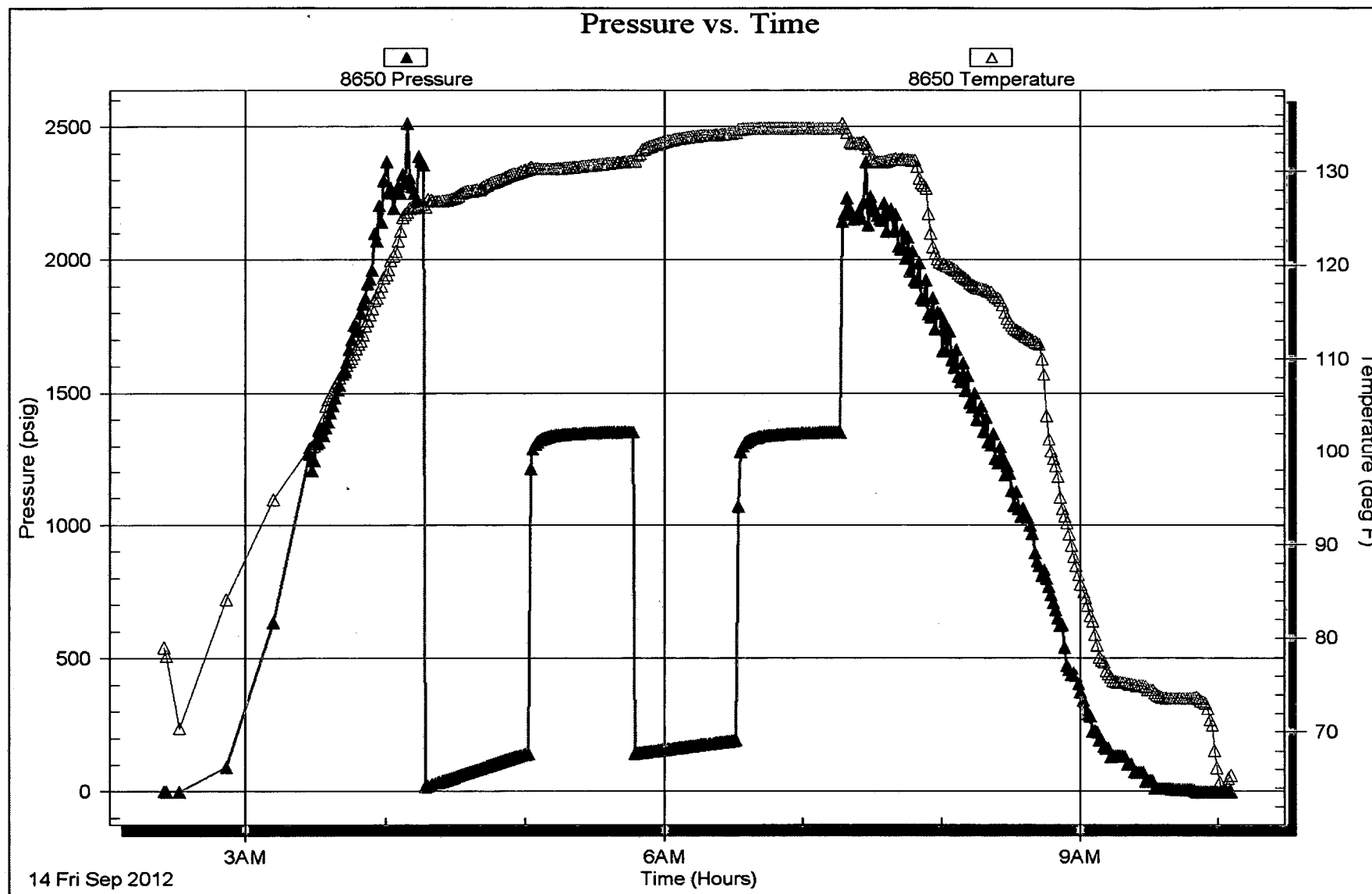


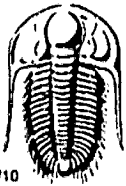
Serial #: 8650

Outside American Warrior Inc

Irsik-Ness #1-32

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48887

Well Name & No. Troik 1-32 Test No. 1 Date 9/13/12 9/14/12
 Company American Warrior Inc. Elevation 2564 KB 2554 GL
 Address 3118 Cummings Rd P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Kevin Timson Rig Duke 5
 Location: Sec. 31 Twp. 20S Rge. 21ew Co. Ness State KS

Interval Tested 4505-4604 Zone Tested Mississippian
 Anchor Length 99 Drill Pipe Run 4207.99 Mud Wt. 9.5
 Top Packer Depth 4501 Drill Collars Run 282.83 Vis 45
 Bottom Packer Depth 4505 Wt. Pipe Run WL 14.4
 Total Depth 4604 Chlorides 3,100 ppm System LCM Trace
 Blow Description Packer Failure Set 25,000 on first. Pick up then
100 set 35 on. Then pick. Then tested one more time out
45,000. Then started pulling tool

Rec	Feet of	%gas	%oil	%water	%mud
<u>1000</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	Feet of	%gas	%oil	%water	%mud

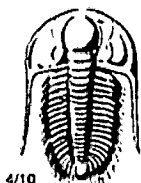
Rec Total 1,000 BHT 121 Gravity API RW @ F Chlorides ppm
 (A) Initial Hydrostatic 2,359 ☒ Test 1050 T-On Location 17:50
 (B) First Initial Flow ☒ Jars 250 T-Started 19:10
 (C) First Final Flow ☒ Safety Joint 75 T-Open 22:19
 (D) Initial Shut-In ☒ Circ Sub N/C T-Pulled 22:40
 (E) Second Initial Flow ☐ Hourly Standby T-Out 2:00
 (F) Second Final Flow ☒ Mileage 120 BT 186 Comments
 (G) Final Shut-In ☐ Sampler
 (H) Final Hydrostatic 2,245 ☐ Straddle
☐ Shale Packer ☐ Ruined Shale Packer
☒ Ruined Packer 320
☐ Extra Packer ☐ Extra Copies
☐ Extra Recorder Sub Total 320
☐ Day Standby Total
☐ Accessibility MP/DST Disc't
 Sub Total 1561

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

Approved By

Our Representative

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.**

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48888

Well Name & No. Irsik-Ness 1-32 Test No. 2 Date 9/14/12
Company American Warrior Inc. Elevation _____ KB _____ GL _____
Address 3118 Cummings Rd, PO Box 399, Garden City KS 67846
Co. Rep / Geo. Kevin Tomson Rig Duke 5
Location: Sec. 21 Twp. 2Ds Rge. 26w Co. Ness State KS

Interval Tested 4597 - 4604 Zone Tested Mississippi
Anchor Length 7 Drill Pipe Run 4303.18 Mud Wt. 9.5
Top Packer Depth 4593 Drill Collars Run 282.83 Vis 45
Bottom Packer Depth 4597 Wt. Pipe Run _____ WL 14.4
Total Depth 4604 Chlorides 3100 ppm System LCM Trace

Blow Description Built to 10" below
no return blow
Built to 8" below
no return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>420</u>	<u>Water</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	Feet of	%gas	%oil	%water	%mud

Rec Total 420 BHT 133 Gravity _____ API RW 50 @ 60 °F Chlorides 20,000 ppm
(A) Initial Hydrostatic 2,436 ☒ Test _____ T-On Location 2:00
(B) First Initial Flow 20 ☒ Jars 250 T-Started 2:25
(C) First Final Flow 144 ☒ Safety Joint 75 T-Open 4:77
(D) Initial Shut-In 1,356 ☒ Circ Sub W/C T-Pulled 7:17
(E) Second Initial Flow 145 ☐ Hourly Standby _____ T-Out 10:07
(F) Second Final Flow 195 ☒ Mileage 120 BT 186 Comments _____
(G) Final Shut-In 1,355 ☐ Sampler _____
(H) Final Hydrostatic 2,246 ☐ Straddle _____

Initial Open 45 ☐ Shale Packer _____
Initial Shut-In 45 ☐ Ruined Packer _____
Final Flow 45 ☐ Extra Packer _____
Final Shut-In 45 ☐ Extra Recorder _____
☐ Day Standby _____ Sub Total 0
☐ Accessibility _____ Total 1761
Sub Total 1761 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 tests made.