



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1157751

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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				

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
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Helfrich 5-5
Doc ID	1157751

Tops

Name	Top	Datum
Anhy	1449'	+924
B/Anhy	1463'	+910
Heebner	3944'	-1571
Lansing	4046'	-1673
B/KC	4398'	-2025
Marmaton	4422'	-2049
Pawnee	4514'	-2141
Ft.Scott	4571'	-2198
Osage	4664'	-2291



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc**

PO Box 399
Garden City, KS. 67846

ATTN: Kevin Timson

Helfrich #5-5

5-24s-21w Hodgeman,KS

Start Date: 2013.05.31 @ 02:25:49

End Date: 2013.05.31 @ 13:15:19

Job Ticket #: 52249 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.06.06 @ 11:30:46

American Warrior, Inc
5-24s-21w Hodgeman,KS
Helfrich #5-5
DST # 1
Altamont "A"
2013.05.31



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

5-24s-21w Hodgeman,KS
Helfrich #5-5
 Job Ticket: 52249 **DST#: 1**
 Test Start: 2013.05.31 @ 02:25:49

GENERAL INFORMATION:

Formation: **Altamont "A"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 06:50:19 Tester: Jason McLemore
 Time Test Ended: 13:15:19 Unit No: 54
 Interval: **4397.00 ft (KB) To 4460.00 ft (KB) (TVD)** Reference Elevations: 2373.00 ft (KB)
 Total Depth: 4460.00 ft (KB) (TVD) 2365.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

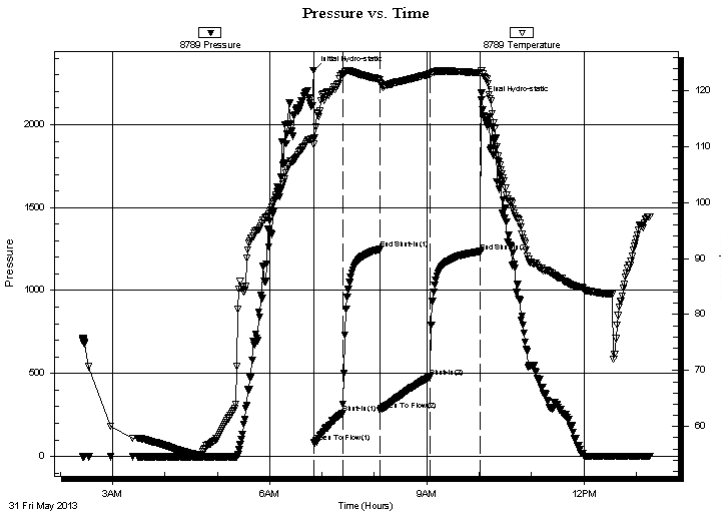
Serial #: 8789

Inside

Press @ RunDepth: 479.67 psig @ 4434.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.05.31 End Date: 2013.05.31 Last Calib.: 2013.05.31
 Start Time: 02:25:51 End Time: 13:15:19 Time On Btm: 2013.05.31 @ 06:50:04
 Time Off Btm: 2013.05.31 @ 10:02:19

TEST COMMENT: IFP-Strong, BOB in 3 Min.
 ISI-Blow back built to 1"
 FFP-Strong, BOB in 3 Min.
 FSI-Blow back built to 1-1/2"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2327.27	111.46	Initial Hydro-static
1	83.85	110.42	Open To Flow (1)
34	259.25	122.90	Shut-In(1)
76	1248.42	122.00	End Shut-In(1)
77	277.19	121.41	Open To Flow (2)
134	479.67	123.01	Shut-In(2)
191	1235.75	123.16	End Shut-In(2)
193	2147.66	123.53	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
1120.00	Gassy Oil-35%G-65%O	15.71
20.00	Salt Water	0.28

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

5-24s-21w Hodgeman,KS
Helfrich #5-5
 Job Ticket: 52249 **DST#: 1**
 Test Start: 2013.05.31 @ 02:25:49

Tool Information

Drill Pipe:	Length: 4389.00 ft	Diameter: 3.80 inches	Volume: 61.57 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 61.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4397.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	91.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4370.00	
Shut In Tool	5.00			4375.00	
Hydraulic tool	5.00			4380.00	
Jars	5.00			4385.00	
Safety Joint	2.00			4387.00	
Packer	5.00			4392.00	28.00 Bottom Of Top Packer
Packer	5.00			4397.00	
Stubb	1.00			4398.00	
Perforations	2.00			4400.00	
Change Over Sub	1.00			4401.00	
Blank Spacing	32.00			4433.00	
Change Over Sub	1.00			4434.00	
Recorder	0.00	8789	Inside	4434.00	
Recorder	0.00	8289	Outside	4434.00	
Perforations	23.00			4457.00	
Bullnose	3.00			4460.00	63.00 Bottom Packers & Anchor
Total Tool Length:	91.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

5-24s-21w Hodgeman,KS
Helfrich #5-5
Job Ticket: 52249 **DST#: 1**
Test Start: 2013.05.31 @ 02:25:49

Mud and Cushion Information

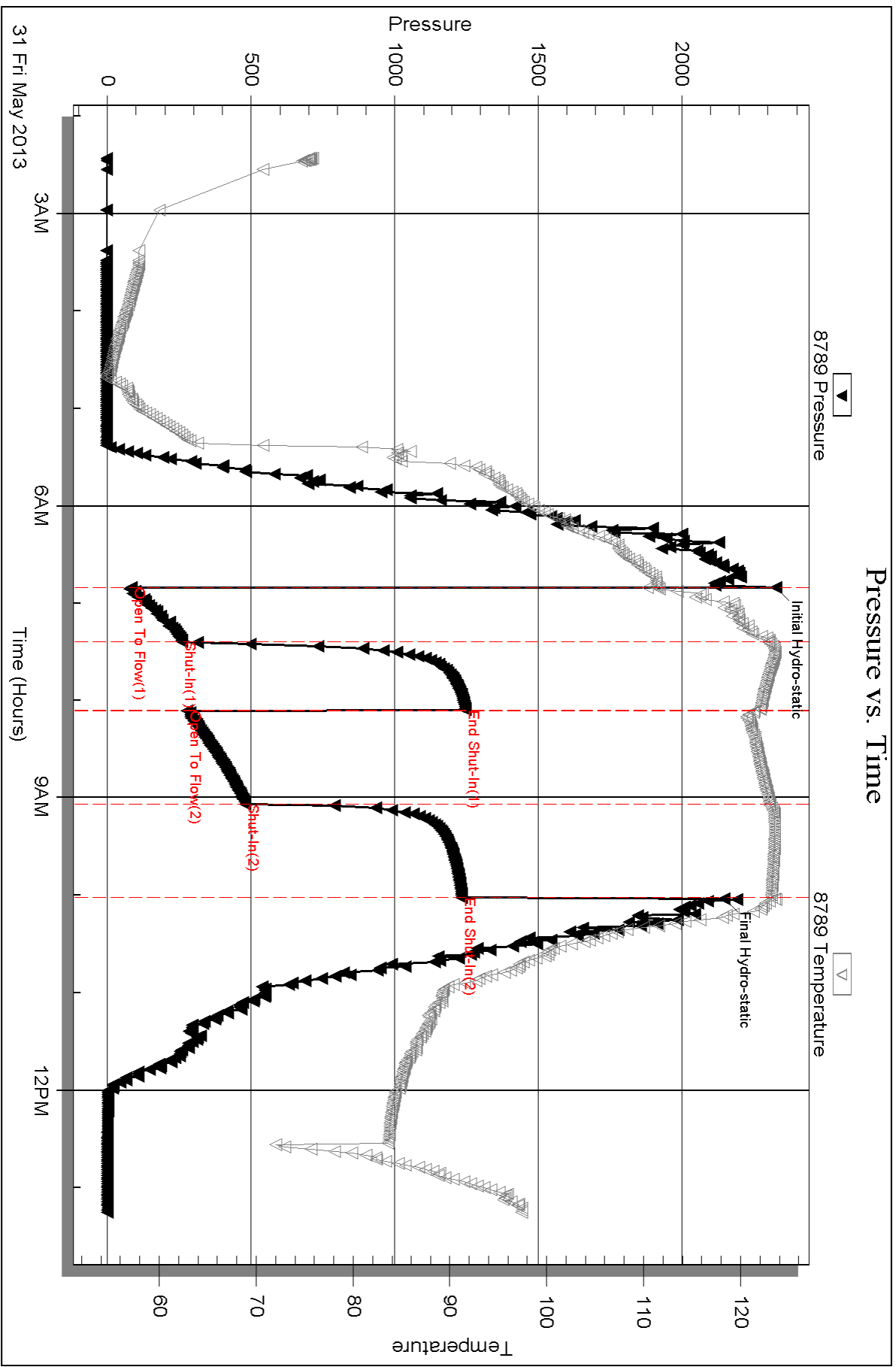
Mud Type: Gel Chem	Cushion Type:	Oil API: 22 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 49000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.78 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 7100.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1120.00	Gassy Oil-35%G-65%O	15.711
20.00	Salt Water	0.281

Total Length: 1140.00 ft Total Volume: 15.992 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

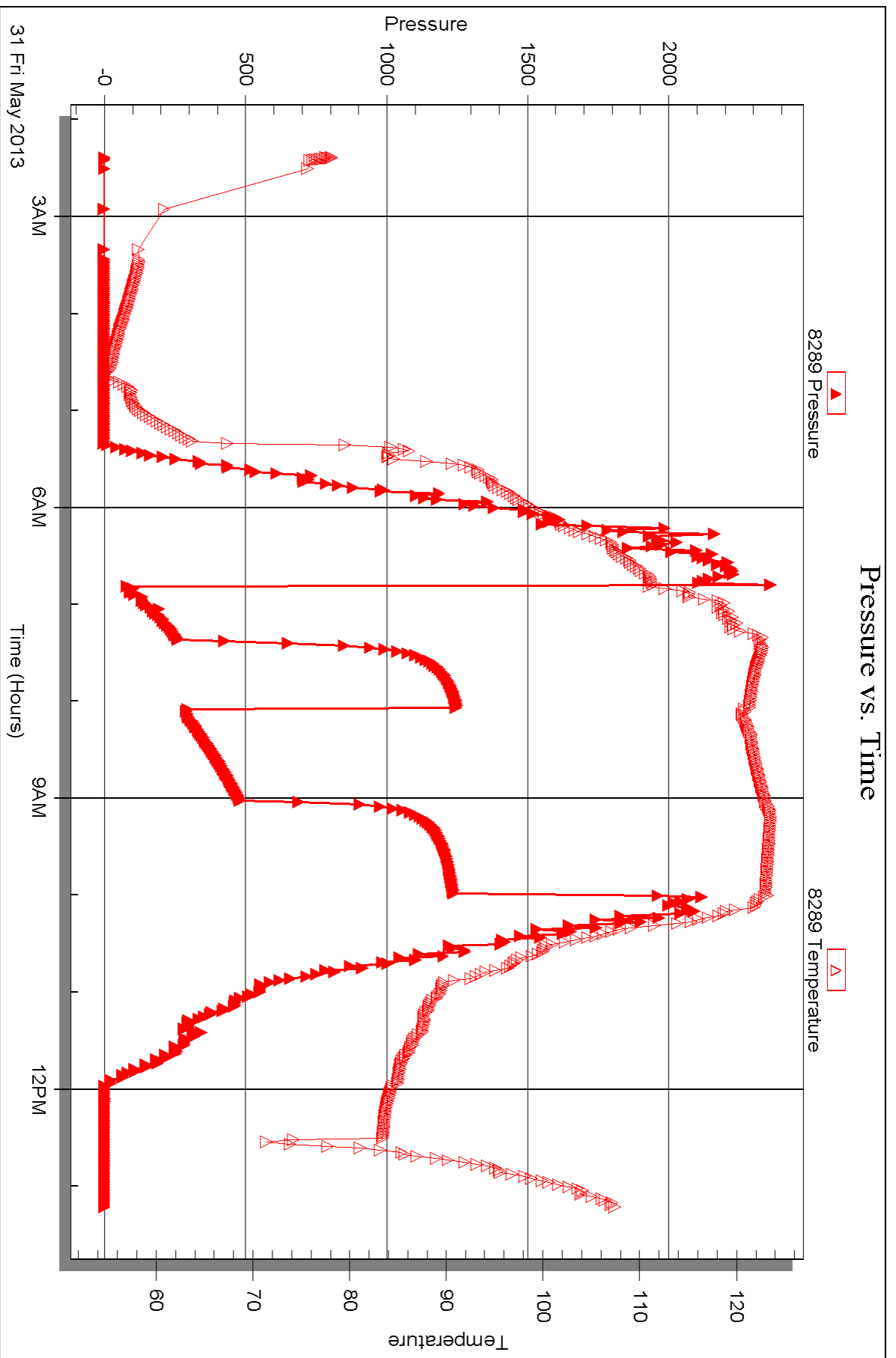


Serial #: 8289

Outside American Warrior, Inc

Heilrich #5-5

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc**

PO Box 399
Garden City, KS. 67846

ATTN: Kevin Timson

Helfrich #5-5

5-24s-21w Hodgeman,KS

Start Date: 2013.06.01 @ 12:47:20

End Date: 2013.06.01 @ 19:24:35

Job Ticket #: 52250 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.06.06 @ 11:30:06



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

5-24s-21w Hodgeman, KS
Helfrich #5-5
 Job Ticket: 52250 **DST#: 2**
 Test Start: 2013.06.01 @ 12:47:20

GENERAL INFORMATION:

Formation: **Osage**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 15:08:50
 Tester: Jason McLemore
 Time Test Ended: 19:24:35
 Unit No: 54
 Interval: **4646.00 ft (KB) To 4672.00 ft (KB) (TVD)**
 Reference Elevations: 2373.00 ft (KB)
 Total Depth: 4472.00 ft (KB) (TVD)
 2365.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 8.00 ft

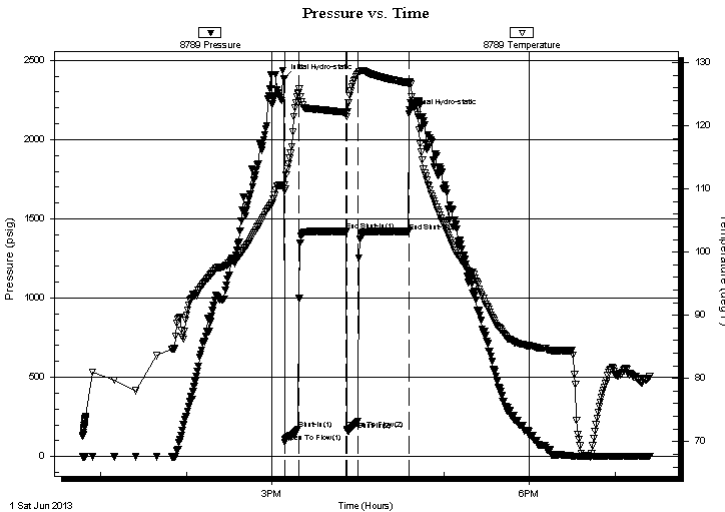
Serial #: 8789

Inside

Press @ Run Depth: 222.47 psig @ 4649.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.06.01 End Date: 2013.06.01 Last Calib.: 2013.06.01
 Start Time: 12:47:22 End Time: 19:24:35 Time On Btm: 2013.06.01 @ 15:08:20
 Time Off Btm: 2013.06.01 @ 16:35:50

TEST COMMENT: IFP-Strong, BOB in 4 Min.
 ISI-Dead
 FFP-Strong, BOB in 4 Min.
 FSI-Dead

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2386.76	110.61	Initial Hydro-static
1	87.92	109.75	Open To Flow (1)
10	171.19	125.26	Shut-In(1)
44	1420.87	122.13	End Shut-In(1)
44	169.82	121.44	Open To Flow (2)
52	222.47	128.23	Shut-In(2)
88	1420.52	126.74	End Shut-In(2)
88	2163.21	127.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
480.00	OCMW-15%O-65%W-20%M	6.73

* 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
 PO Box 399
 Garden City, KS. 67846
 ATTN: Kevin Timson

5-24s-21w Hodgeman,KS
Helfrich #5-5
 Job Ticket: 52250 **DST#: 2**
 Test Start: 2013.06.01 @ 12:47:20

Tool Information

Drill Pipe:	Length: 4642.00 ft	Diameter: 3.80 inches	Volume: 65.12 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 65.12 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial	59000.00 lb
Depth to Top Packer:	4646.00 ft			Final	59000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	26.00 ft				
Tool Length:	54.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4619.00	
Shut In Tool	5.00			4624.00	
Hydraulic tool	5.00			4629.00	
Jars	5.00			4634.00	
Safety Joint	2.00			4636.00	
Packer	5.00			4641.00	28.00 Bottom Of Top Packer
Packer	5.00			4646.00	
Stubb	1.00			4647.00	
Perforations	2.00			4649.00	
Recorder	0.00	8789	Inside	4649.00	
Recorder	0.00	6668	Outside	4649.00	
Perforations	20.00			4669.00	
Bullnose	3.00			4672.00	26.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

5-24s-21w Hodgeman,KS
Helfrich #5-5
Job Ticket: 52250 **DST#: 2**
Test Start: 2013.06.01 @ 12:47:20

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	22000 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: inches			

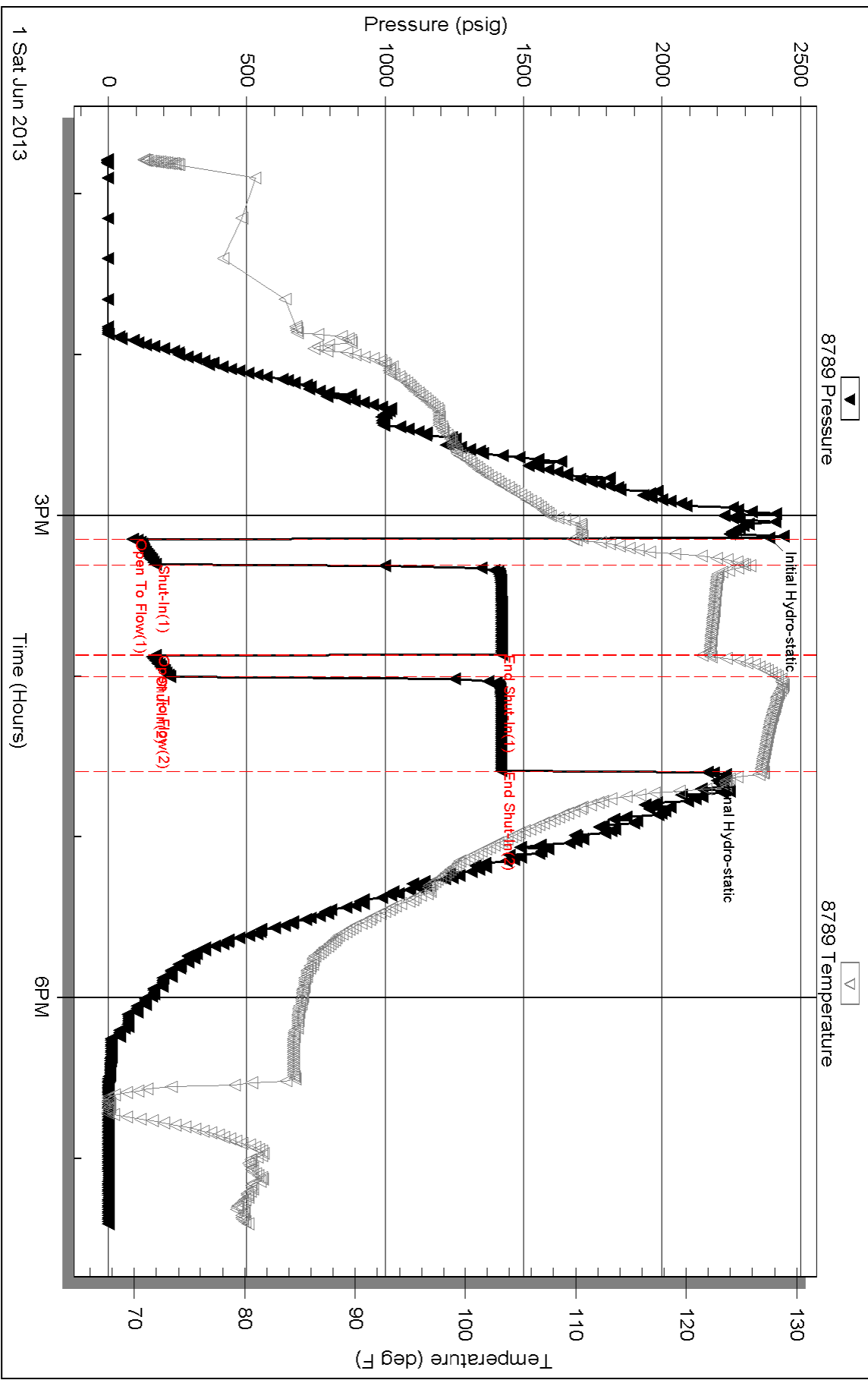
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
480.00	OCMW-15%O-65%W-20%M	6.733

Total Length: 480.00 ft Total Volume: 6.733 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time

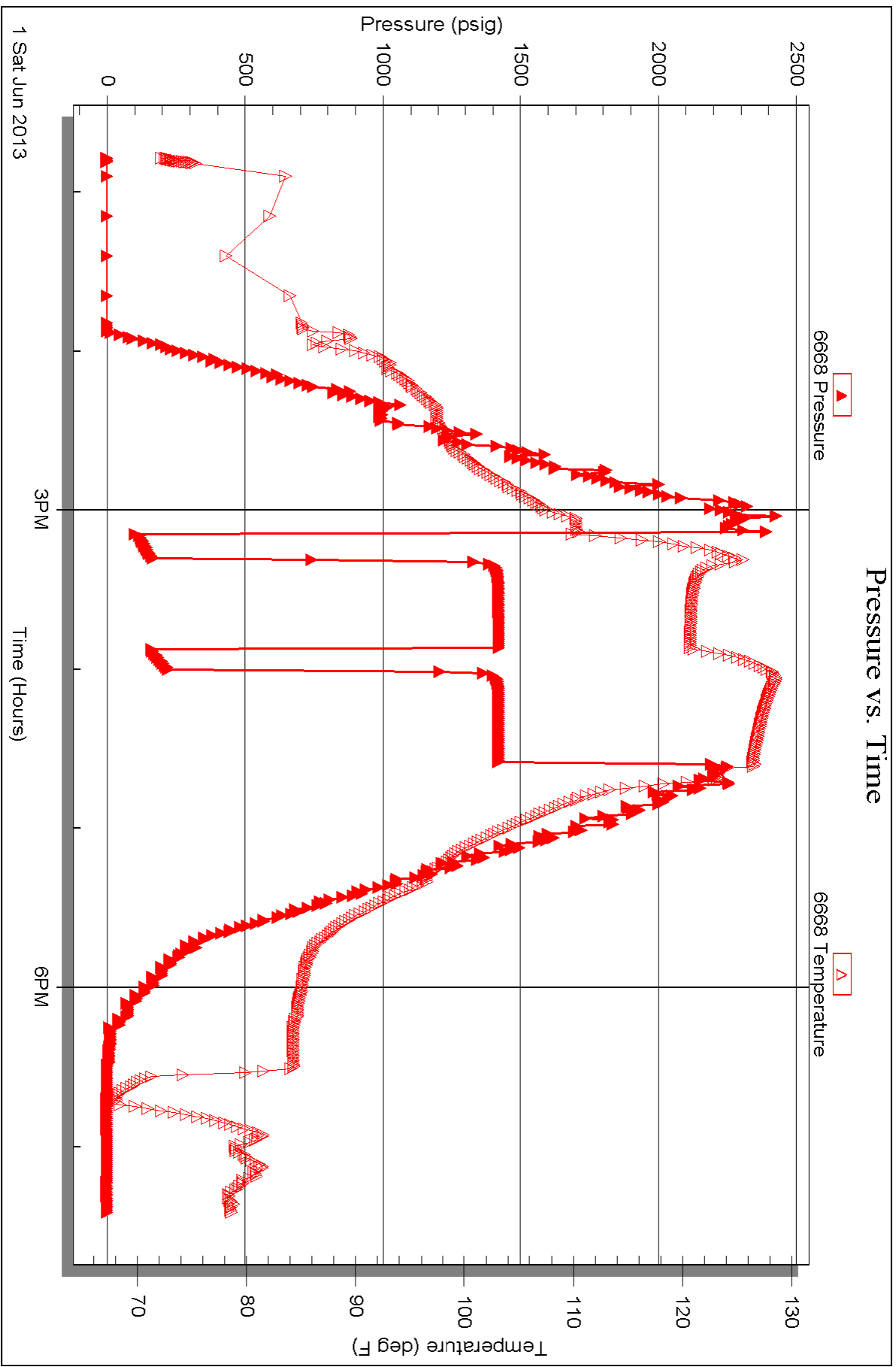


Serial #: 6668

Outside American Warrior, Inc

Heirich #5-5

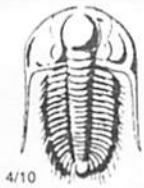
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 52250

Printed: 2013.06.06 @ 11:30:09



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52249

Well Name & No. Helfrich #5-5 Test No. 1 Date 5-31-13
 Company American Warrior, Inc. Elevation 2373 KB 2365 GL
 Address PO Box 399, Garden City, Ks. 67846
 Co. Rep / Geo. Kevin Timson Rig Duke #8
 Location: Sec. 5 Twp. 24s Rge. 21w Co. Hodgeman State KS

Interval Tested 4397-4460 Zone Tested Altament 'A'
 Anchor Length 63' Drill Pipe Run 4389 Mud Wt. 9.2
 Top Packer Depth 4392 Drill Collars Run 0 Vis 53
 Bottom Packer Depth 4397 Wt. Pipe Run 0 WL 10.8
 Total Depth 4460 Chlorides 7,100 ppm System LCM 1#
 Blow Description IFP - Strong, BOBIN 3 min.
ISI - Blowback Built to 1"
FFP - Strong, BOBIN 3 min.
FSI - Blowback Built to 1 1/2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>1120</u>	<u>Gassy Oil</u>	<u>35</u>	<u>65</u>		
<u>20</u>	<u>Salt Water</u>				
	<u>420' GIP</u>				

Rec Total 1140 BHT _____ Gravity 22? API RW 100 @ 92 °F Chlorides 49,000 ppm
 (A) Initial Hydrostatic 2327 Test 1250 T-On Location 1:00
 (B) First Initial Flow 87 Jars 250 T-Started 2:23
 (C) First Final Flow 259 Safety Joint 75 T-Open 6:50
 (D) Initial Shut-In 1248 Circ Sub _____ T-Pulled 9:50
 (E) Second Initial Flow 277 Hourly Standby _____ T-Out 13:15
 (F) Second Final Flow 480 Mileage 172 MI 266.60 Comments _____
 (G) Final Shut-In 1236 Sampler _____
 (H) Final Hydrostatic 2148 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1841.60
 Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60
 Sub Total 0
 Total 1841.60
 MP/DST Disc't _____

Approved By _____ Our Representative Jaron McInroe *Thank You*

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss, suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52250

Well Name & No. Halfpich #5-5 Test No. 2 Date 6-1-13
 Company American Warrior, Inc. Elevation 2323 KB 2365 GL
 Address PO Box 399, Garden City, KS. 67846
 Co. Rep / Geo. Kevin Timson Rig Duke #8
 Location: Sec. 5 Twp. 24s Rge. 21w Co. Hodge man State KS

Interval Tested 4646 - 4672 Zone Tested Osage
 Anchor Length 26' Drill Pipe Run 4642 Mud Wt. 9.3
 Top Packer Depth 4641 Drill Collars Run 0 Vis 58
 Bottom Packer Depth 4646 Wt. Pipe Run 0 WL 8.8
 Total Depth 4672 Chlorides 6,000 ppm System LCM 1#

Blow Description IFP - Strong, BOB in 4 min.
ISI - Dead
FFP - Strong, BOB in 4 min
FSI - Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>480</u>	<u>OCMW</u>	<u>15</u>	<u>65</u>	<u>20</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 480 BHT _____ Gravity _____ API RW 271 @ 74 °F Chlorides 22,000 ppm

(A) Initial Hydrostatic 2387 Test 1250 T-On Location 12:02
 (B) First Initial Flow 88 Jars 250 T-Started 12:23
 (C) First Final Flow 171 Safety Joint 75 T-Open 14:49
 (D) Initial Shut-In 1421 Circ Sub _____ T-Pulled 16:09
 (E) Second Initial Flow 170 Hourly Standby _____ T-Out 19:03
 (F) Second Final Flow 222 Mileage 172 rt 266.60
 (G) Final Shut-In 1421 Sampler _____
 (H) Final Hydrostatic 2163 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 10
 Initial Shut-In 30
 Final Flow 10
 Final Shut-In 30

Sub Total 0
 Total 1841.60
 MP/DST Disc't _____

Approved By _____ Our Representative Jason McLenon *Thank you*

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

ALLIED OIL & GAS SERVICES, LLC 060440

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Great Bend, KS

invoice #:
136404

DATE <u>5-24-17</u>	SEC. <u>5</u>	TWP. <u>24S</u>	RANGE <u>21W</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30</u>	JOB FINISH <u>12:30</u>
LEASE <u>Helfrich</u>		WELL # <u>5-5</u>		LOCATION <u>St. Mary's church 1/2W</u>		COUNTY <u>Hodgeman</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)				N/A			

CONTRACTOR Duke Drilling #6

TYPE OF JOB 546cc

HOLE SIZE 12 1/4 T.D.

CASING SIZE 45/65 DEPTH 246.36

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15 FT

PERFS.

DISPLACEMENT 14.73 bbls freshwater

OWNER

CEMENT AMOUNT ORDERED 175 SKS Class A

36cc 24gel

COMMON	<u>175</u>	@	<u>17.90</u>	<u>3,132.50</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>6</u>	@	<u>64.00</u>	<u>384.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>188</u>	@	<u>2.48</u>	<u>468.00</u>
MILEAGE	<u>8.62 x 45 x</u>		<u>2.60</u>	<u>100 x .54</u>
TOTAL				<u>5,063.30</u>

EQUIPMENT

PUMP TRUCK CEMENTER Justin Chambers

597 HELPER Charles Kinison

BULK TRUCK

609-241 DRIVER Ben Newell

BULK TRUCK

DRIVER

REMARKS:

Break circulation with Rig mud

run 546's freshwater ahead

mix 175 SKS Class A 37cc 24gel

blow down & Release plug

displace 14.73 bbls of slurry

Release die circulation

plug down 10:00pm

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE 1512.35

EXTRA FOOTAGE @

MILEAGE Hum 45 @ 7.70 346.50

MANIFOLD Hum 45 @ 4.40 198.00

TOTAL 2,056.75

CHARGE TO: American Leasing

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

1-4 7/8 Rubber plug @ 131.04 131.04

TOTAL 131.04

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 STEVE H. STEPHENS

SIGNATURE X Steve H. Stephens

Thank You!!

SALES TAX (If Any)

TOTAL CHARGES 7,251.10

DISCOUNT 1,812.77 IF PAID IN 30 DAYS

5,438.33



CHARGE TO: *American Warrior Inc*
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET
 No 24282

PAGE 1 OF 2

SERVICE LOCATIONS:
 1. *Hays, Ks.*
 2. *Ness City, Ks.*
 3.
 4.

WELL/PROJECT NO. *5-5* LEASE *Helfrich* COUNTY/PARISH *Hodgeman* STATE *Ks* CITY DATE *6-2-13* OWNER *same*

TICKET TYPE SERVICE SALES CONTRACTOR *Duke Dalg #* RIG NAME/NO. SHIPPED VIA *CT Location* DELIVERED TO ORDER NO.

WELL TYPE *oil* WELL CATEGORY *development* JOB PURPOSE *longstring* WELL PERMIT NO. WELL LOCATION

REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #111	60		mi		6 ⁰⁰	360 ⁰⁰
578		1			Pump Charge (Longstring)	1	4672		'	1500 ⁰⁰	1500 ⁰⁰
221		1			KCL	2		gal		25 ⁰⁰	50 ⁰⁰
281		1			Mud Flush	500		gal		1 ²⁵	625 ⁰⁰
290		1			D-Air	2		gal		42 ⁰⁰	84 ⁰⁰
402		1			Centralizer	10	5 1/2"	ea		70 ⁰⁰	700 ⁰⁰
403		1			Baskets	2		ea		285 ⁰⁰	570 ⁰⁰
404		1			Port Collar	1		ea		2650 ⁰⁰	2650 ⁰⁰
405		1			Formation Packer Shoe	1		ea		1650 ⁰⁰	1650 ⁰⁰
406		1			L D Plug + Baffle	1		ea		275 ⁰⁰	275 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

[Signature]
 DATE SIGNED *6-2-13* TIME SIGNED *Noon* A.M. 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		
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL 1	8464 ⁰⁰
WE UNDERSTOOD AND MET YOUR NEEDS?				page 2	4878 ⁵⁰
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal	13,342 ⁵⁰
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Hodgeman TAX 7.45%	788 ⁴¹
ARE YOU SATISFIED WITH OUR SERVICE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	14,130 ⁹¹
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR *[Signature]* APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 24282

CUSTOMER American Warrior Inc
WELL #5-5 Helfrich
DATE 6-2-13
PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			UM	UM				
325		2				Standard Cement	175	sk			17.00	2975.00
276		2				Floccle	50	#	1/4	#/sk	2.00	100.00
283		2				Salt	900	#	10	%	0.20	180.00
284		2				Calseal	8	sk	5	%	35.00	280.00
292		2				Halad-322	125	#	3/4	%	7.75	968.75
581		2				SERVICE CHARGE	175	sk			2.00	350.00
583		2				MILEAGE CHARGE	18325				1.00	18325.00
						TOTAL WEIGHT						
						LOADED MILES	68					
						TON MILES						549.75

CONTINUATION TOTAL 4878.50



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

TICKET No 24392

PAGE 1 OF 1

SERVICE LOCATIONS 1. Ness City KS WELL/PROJECT NO. 5-5 LEASE Helfrich COUNTY/PARISH Hodgeman STATE KS CITY Houston DATE 24 Jan 13 OWNER
 2. TICKET TYPE SERVICE SALES CONTRACTOR #2 RIG NAME/NO. SHIPPED VIA CT DELIVERED TO location ORDER NO.
 3. WELL TYPE oil WELL CATEGORY Development JOB PURPOSE cement port collar WELL PERMIT NO. WELL LOCATION 5-24-21
 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 TRK 114	50	mi			6.00	300.00
576D		1			Pump charge	1	ea			1500.00	1500.00
330		1			S&D cement	175	sk			17.00	2975.00
276		1			Flouke	50	lb			2.00	100.00
290		1			D-AIR	2	gal			42.00	84.00
104		1			port collar tool rental	1	ea			250.00	250.00
583		1			Drayage	17414	lb	435.76	TM	1.00	435.76
581		1			Service charge cement	175	sk			2.00	350.00

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

X
 DATE SIGNED _____ TIME SIGNED _____ A.M. P.M.
12/6

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
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				5994.76
WE UNDERSTOOD AND MET YOUR NEEDS?				
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Hodgeman TAX 7.45% 253.97
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL 6248.73
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR _____ APPROVAL _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 2/29/13 PAGE NO. 7

CUSTOMER American Warrior WELL NO. 5-5 LEASE Helfrich JOB TYPE Cement port collar TICKET NO. 24392

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sk SMD w/ 1/4" Floccle 2 3/8 x 5 1/2 port collar @ 1454'
	1545							on loc TRK 114
	1614					1000	1000	test to 1000psi - held open port collar
	1620	2 1/2	3			500		inj rate 2 1/2 @ 500psi - no blow
	1630	3 1/2				700		mix SMD cement @ 11.2 ppg no blow at surface
	1650	3 1/2	55			400		- shut down for 15 min
	1705	1 1/2				250		pump slow - no blow
		6				450		increase rate - no blow
	1730	3 1/2	100			400		all cement is mixed 175 sk - no blow
		3 1/2	5			400		close port collar flush w/ H ₂ O close port collar
	1740							test to 1000 psi - held Run 4 joints
	1745							Reverse hole clean -2 cement plugs - (no cement to surface)
	1750							pull tool wash truck
	1800							job complete
								Thanks Blaine Rob & Dave



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

TICKET No 24524

PAGE 1 OF 1

SERVICE LOCATIONS: 1. New City KS WELL/PROJECT NO. 5-5 LEASE Helfrich COUNTY/PARISH Hodgeman STATE KS CITY HANSTON DATE 2 AUG 13 OWNER
 2. TICKET TYPE SERVICE SALES CONTRACTOR CO TOOLS RIG NAME/NO. location SHIPPED VIA ET ORDER NO.
 3. WELL TYPE 0.1 WELL CATEGORY Development JOB PURPOSE squeeze, bring cement to surface WELL PERMIT NO. WELL LOCATION 5-21-21
 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 TRK 114	50	mi			6.00	300.00
577		1			Pump Charge	1	ea			1000.00	1000.00
330		1			5m cement	200	sk			17.00	3400.00
276		1			floccle	50	lb			2.00	100.00
290		1			D-air	2	gal			42.00	84.00
583		1			Drayage	12902	lb	492.55	TW	1.00	497.55
581		1			service charge	200	sk			2.00	400.00

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

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

X
 DATE SIGNED _____ TIME SIGNED 1300 A.M. 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	5781.55
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Hodgeman TAX 7.3%	261.63
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	6043.18
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR BCall APPROVAL _____

Thank You!

Geological Report

American Warrior, Inc.

Helfrich #5-5

748' FSL & 2040 FEL

Sec. 5, T24s, R21w

Hodgeman County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Helfrich #5-5
748' FSL & 2040' FEL
Sec. 5, T24s, R21w
Hodgeman County, Kansas
API # 15-083-21884-0000

Drilling Contractor: Duke Drilling Co. Rig #8

Geologist: Kevin Timson

Spud Date: May 25, 2013

Completion Date: June 3, 2013

Elevation 2365' G.L.
2373' K.B.

Directions: From Hanston, KS at intersection of Hwy 156 and 228 Rd South. Go 8 miles South on 228 Rd to H Rd. Now Go 4 miles East on H Rd to 232 Rd. Now go 2 miles South on 232 Rd to F Rd. Go West 1 mile on F Rd and North into location.

Casing: #24 8 5/8" surface casing @ 246 with 175 sacks Class A, 3% c.c, 2% gel. #15.5 5 1/2" production casing @ 4664 with 125 sacks EA-2. Port Collar @ 1454 and Packer Shoe @ 4664.

Samples: 3850' to RTD 10' Wet & Dry

Drilling Time: 3850' to RTD

Electric Logs: Pioneer-Stacked-Micro "J. Long"

Drillstem Tests: Two, Trilobite Testing, Inc. "Jason McLemore"

Problems: None

Remarks: None

Formation Tops

Formation

Anhydrite
 Base
 Heebner
 Douglas
 Lansing
 BKC
 Marmaton
 Pawnee
 Fort Scott
 Cherokee
 Osage
 RTD
 LTD

American Warrior, Inc.	
Helfrich #5-5	
Sec. 5, T24s, R21w	
748' FSL & 2040' FEL	
	1449' +924
	1463' +910
	3944' -1571
	3973' -1600
	4046' -1673
	4398' -2025
	4422' -2049
	4514' -2141
	4571' -2198
	4597' -2224
	4664' -2291
	4672' -2299
	4671' -2298

Sample Zone Descriptions

Mississippian Osage (4664' -2291): Covered in DST #2

Chert – Triptolitic, weathered, fair vuggy porosity. Fair stain and fair saturation. Show of free oil. Strong slightly sour odor.

Altamont 'A' (4465' -2086):

Covered in DST #1

Limestone tan. Med to sub crystalline. Good intercrystalline porosity. Fair vuggy porosity. Good stain. Good saturation. Good show of free oil in porosity. Slight odor.

Cherokee Limestone (4597' -2224):Not Tested

Limestone tan/brown. Med to sub xln. Pin point vuggy porosity. Poor intercrystalline porosity. Fair stain. Gas bubbles and free oil escaping through porosity. Poor saturation. Fair show of free oil. Fair odor.

Drill Stem Tests

Trilobite Testing Inc.

"Bradley Walter"

DST #1

Altamont 'A'

Interval (4397' – 4460') Anchor Length 63'

IHP - 2327 #

IFP - 30" – BOB in 3 min

84-259 #

ISI - 45" – Return blow built to 1"

1248 #

FFP - 45" – BOB in 3 min

277-480 #

FSIP - 60" – Return blow built to 1 ½"

1236 #

FHP - 2148 #

BHT - Not Recorded

Recovery: 420' GIP

1120' GO (65% Oil)

Gravity: 22

20' SW

DST #2

Mississippian Osage

Interval (4646' – 4672') Anchor Length 26'

IHP - 2387 #

IFP - 10" – BOB in 4 min

88-171 #

ISI - 30" – No return

1421 #

FFP - 10" – BOB in 4 min

170-222 #

FSIP - 30" – No Return

1421 #

FHP - 2163 #

BHT - Not Recorded

Recovery: 480' OCMW (15% Oil)

Structural Comparison

	American Warrior, Inc. Helfrich #5-5 Sec. 5, T24s, R21w 748' FSL & 2040' FEL		American Warrior, Inc. Helfrich-Gleason #1-5 Sec. 5, T24s, R21w 1232' FSL & 2506' FEL		American Warrior, Inc. Helfrich #1-5 Sec. 5, T24s, R21w 335' FSL & 750' FEL
Formation					
Heebner	3944' -1571	-5	3940' -1566	+20	3966' -1591
Douglas	3973' -1600	-4	3970' -1596	NA	NA
Lansing	4046' -1673	-7	4040' -1666	+20	4068' -1693
BKC	4398' -2025	-7	4392' -2018	+9	4409' -2034
Marmaton	4422' -2049	-4	4419' -2045	+7	4431' -2056
Pawnee	4514' -2141	-5	4510' -2136	+13	4529' -2154
Fort Scott	4571' -2198	-9	4563' -2189	+5	4578' -2203
Cherokee	4597' -2224	-10	4588' -2214	+4	4603' -2228
Osage	4664' -2291	-7	4658' -2284	-10	4656' -2281

Summary

The location for the Helfrich #5-5 well was found via 3-D seismic survey. The new well ran structurally as expected. Two drill stem tests were conducted and both recovered commercial quantities of oil from the Mississippian Osage and the Altamont 'A' zones. After all the gathered data had been examined the decision was made to run 5 ½" production casing to further evaluate the Helfrich #5-5 well.

Perforations

Primary:	Altamont 'A'	4443' – 4450'
Secondary:	Cherokee	4608' – 4616'
Before Abandonment:	Miss. Osage	Packer Shoe @ 4464'

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.

