



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
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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

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: \_\_\_\_\_



1082057

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
_____ 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 <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	O'Brate 5
Doc ID	1082057

Tops

Name	Top	Datum
Anhydrite	1482	758
Heebner	3706	-1466
Lansing	3752	-1512
Base Kansas City	4096	-1856
Pawnee	4179	-1939
Ft. Scott	4256	-2016
Cherokee	4277	-2037
Mississippian	4362	-2122
TD	4380	-2140



# **Geological Report**

American Warrior, Inc.

## **O'Brate #5**

920' FSL & 1720' FWL

Sec. 23 T19s R22w

Ness County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
O'Brate #5  
920' FSL & 1720' FWL  
Sec. 23 T19s R22w  
Ness County, Kansas  
API # 15-135-25341-0000

Drilling Contractor: Petromark Drilling, LLC Rig #1

Geologist: Jason Alm

Spud Date: February 17, 2012

Completion Date: February 24, 2012

Elevation: 2234' Ground Level  
2340' Kelly Bushing

Directions: Bazine KS, from south side of town, South on DD  
rd. to 80 rd. West on 80 1.5 mi. North into Location.

Casing: 223' 8 5/8" surface casing  
4379' 5 1/2" production casing

Samples: 10' wet and dry, 3600' to RTD

Drilling Time: 3600' to RTD

Electric Logs: Log-Tech, Inc. "Kenyon Bange"  
CNL/CDL, DIL

Drillstem Tests: One, Trilobite Testing, Inc. "Dustin Rash"

Problems: None

Remarks: None

## Formation Tops

<b>Formation</b>	<b>American Warrior, Inc. O'Brate #5 Sec. 23 T19s R22w 920' FSL &amp; 1720' FWL</b>
Anhydrite	<b>1482', +758</b>
Base	<b>1519', +721</b>
Heebner	<b>3706', -1466</b>
Lansing	<b>3752', -1512</b>
BKc	<b>4096', -1856</b>
Pawnee	<b>4179', -1939</b>
Fort Scott	<b>4256', -2016</b>
Cherokee	<b>4277', -2037</b>
Mississippian	<b>4362', -2122</b>
Osage	<b>4368', -2128</b>
RTD	<b>4380', -2240</b>
LTD	<b>4380', -2240</b>

## Sample Zone Descriptions

- Fort Scott (4256', -2016): Not Tested**  
 Ls – Fine to sub-crystalline with scattered poor inter-crystalline porosity, light to fair oil stain in porosity, fair show of free oil when broken, no odor, good cut fluorescents, 30 units hotwire.
- Cherokee Sand (4279', -2039): Covered in DST #1**  
 SS – Quartz, fine grained, sub-rounded, well sorted, poorly cemented with fair to good inter-granular porosity, light to fair oil saturation, slight show of free oil when broken, no odor, fair cut fluorescents, 25 units hotwire.
- Mississippian Osage (4368', -2128): Not Tested**  
 Dolo – Δ – Fine sucrosic crystalline with fair inter-crystalline and vuggy porosity, heavy trip. chert, weathered with fair vuggy porosity, light to fair oil stain and saturation, show of free oil, good yellow fluorescents, good odor.

**Drill Stem Tests**  
Trilobite Testing, Inc.  
"Dustin Rash"

**DST #1**

**Cherokee Sand**

Interval (4275' – 4300') Anchor Length 25'

IHP	– 2173 #	
IFP	– 10" – B.O.B. 6 min.	24-48 #
ISI	– 15" – W.S.B.	211 #
FFP	– 5" – B.O.B. 30 sec.	43-50 #
FSI	– 15" – W.S.B.	203 #
FHP	– 2188 #	
BHT	– 113°F	

Recovery:	62' OCM	20% Oil
	60' OGCWM	20% Oil, 15% Water

**Structural Comparison**

<b>Formation</b>	<b>American Warrior, Inc. O'Brate #5 Sec. 23 T19s R22w 920' FSL &amp; 1720' FWL</b>	<b>American Warrior, Inc. O'Brate #1 Sec. 23 T19s R22w 460' FSL &amp; 1540' FWL</b>	<b>American Warrior, Inc. O'Brate #2 Sec. 23 T19s R22w 1250' FSL &amp; 1600' FWL</b>
Anhydrite	<b>1482', +758</b>	1470', +760	1490', +757
Base	<b>1519', +721</b>	NA	NA
Heebner	<b>3706', -1466</b>	3692', -1462	3714', -1467
Lansing	<b>3752', -1512</b>	3740', -1510	3760', -1513
BKc	<b>4096', -1856</b>	4085', -1855	NA
Pawnee	<b>4179', -1939</b>	4166', -1936	4188', -1941
Fort Scott	<b>4256', -2016</b>	4244', -2014	4266', -2019
Cherokee	<b>4277', -2037</b>	4264', -2034	4284', -2037
Mississippian	<b>4362', -2122</b>	4341', -2111	4376', -2129
Osage	<b>4368', -2128</b>	NA	NA



## Summary

The location for the O'Brate #5 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One drill stem test was conducted which recovered commercial amounts of oil from the Cherokee Sand Formation. After all gathered data had been examined the decision was made to run 5½ inch production casing to further evaluate the O'Brate #5 well.

<b>Recommended Perforations</b>		
<b>Primary:</b>		
<b>Mississippian:</b>	( 4368' – 4378' )	<b>Not Tested</b>
<b>Secondary:</b>		
<b>Cherokee Sand:</b>	( 4279' – 4288' )	<b>DST #1</b>
<b>Before Abandonment:</b>		
<b>Fort Scott:</b>	( 4264' – 4270' )	<b>Not Tested</b>

Respectfully Submitted,

Jason T. Alm  
Hard Rock Consulting, Inc.



## DRILL STEM TEST REPORT

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

PO Box 399  
Garden City, KS 67846

ATTN: Jason Alm

**O'Brate #5**

**23-19s-22w Ness**

Start Date: 2012.02.23 @ 00:58:15

End Date: 2012.02.23 @ 06:50:45

Job Ticket #: 46916                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.28 @ 15:04:32







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc.

**23-19s-22w Ness**

PO Box 399  
Garden City, KS 67846

**O'Brate #5**

Job Ticket: 46916

**DST#: 1**

ATTN: Jason Alm

Test Start: 2012.02.23 @ 00:58:15

## Tool Information

Drill Pipe:	Length: 4135.00 ft	Diameter: 3.80 inches	Volume: 58.00 bbl	Tool Weight: 2500.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 5000.00 lb
			<u>Total Volume: 58.59 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4275.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 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			4248.00	
Shut In Tool	5.00			4253.00	
Hydraulic tool	5.00			4258.00	
Jars	5.00			4263.00	
Safety Joint	3.00			4266.00	
Packer	5.00			4271.00	28.00 Bottom Of Top Packer
Packer	4.00			4275.00	
Stubb	1.00			4276.00	
Perforations	1.00			4277.00	
Recorder	0.00	8354	Inside	4277.00	
Recorder	0.00	8520	Outside	4277.00	
Perforations	20.00			4297.00	
Bullnose	3.00			4300.00	25.00 Bottom Packers & Anchor

**Total Tool Length: 53.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

American Warrior, Inc.

**23-19s-22w Ness**

PO Box 399  
Garden City, KS 67846

**O'Brate #5**

Job Ticket: 46916

**DST#: 1**

ATTN: Jason Alm

Test Start: 2012.02.23 @ 00:58:15

### 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:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6100.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	10%Gas/20%Oil/15%Water/55%Mud	0.295
62.00	20%Oil/80%Mud	0.323

Total Length: 122.00 ft      Total Volume: 0.618 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8354

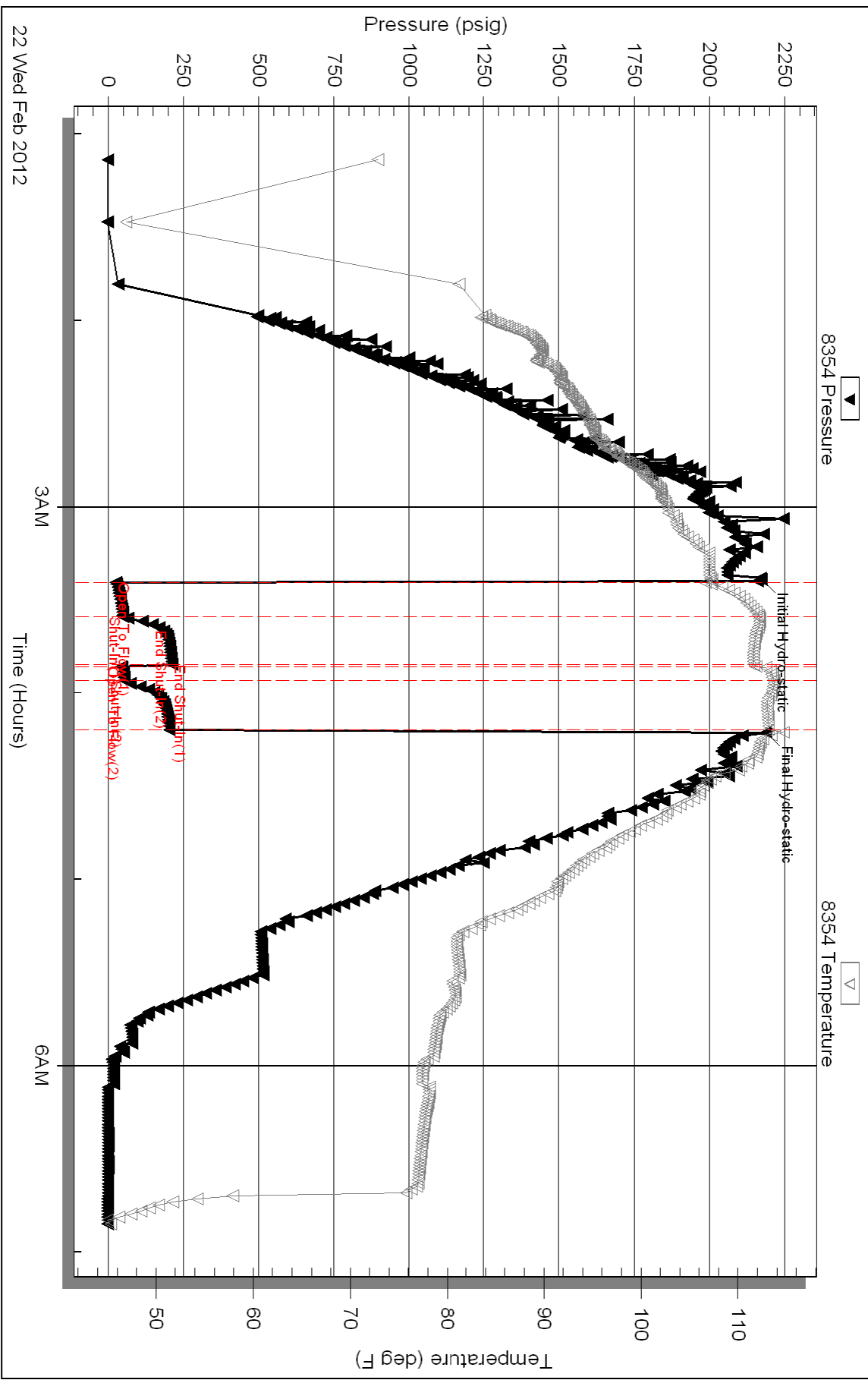
Inside

American Warrior, Inc.

OBrate #5

DST Test Number: 1

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 46916

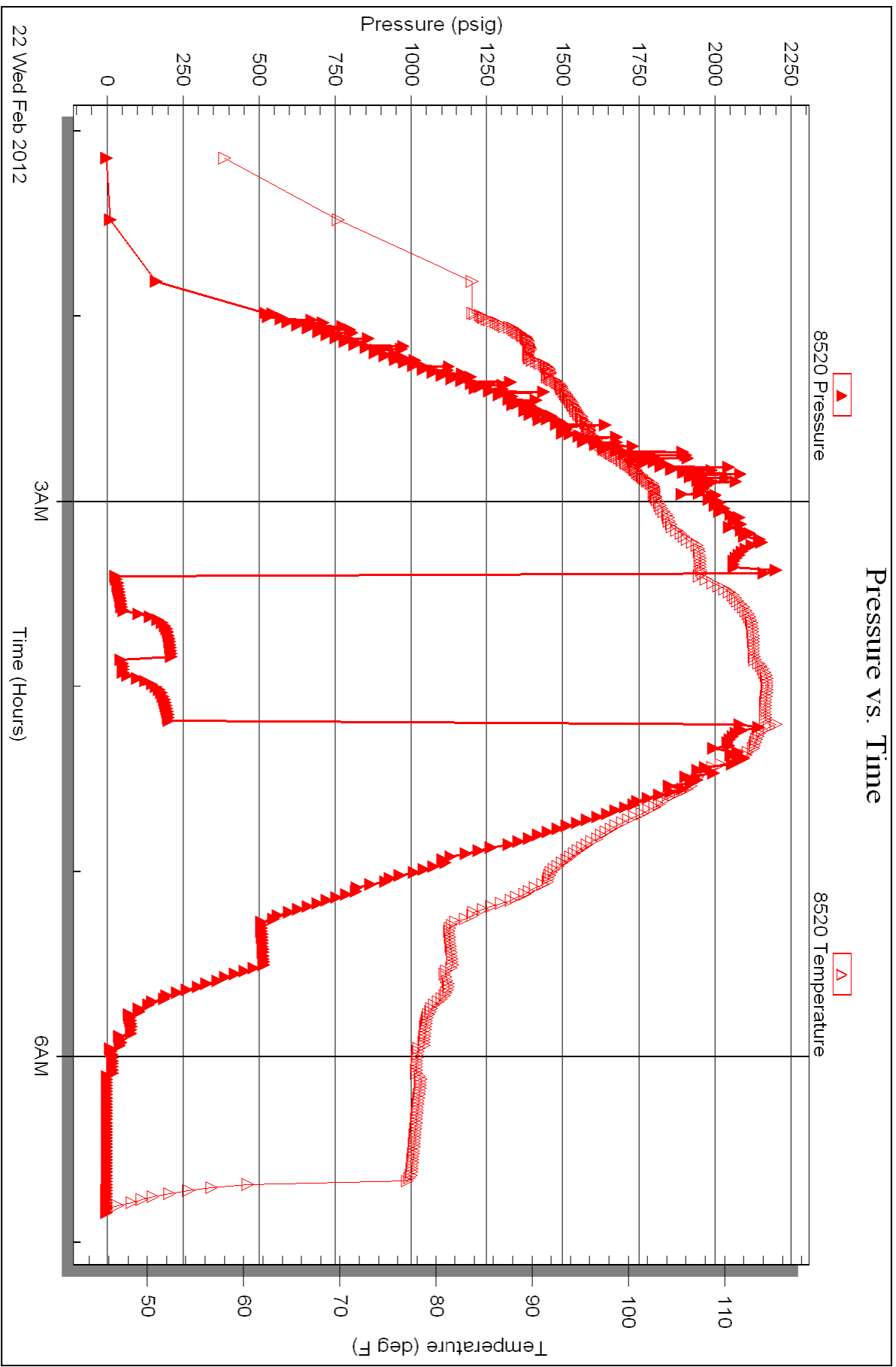
Printed: 2012.02.28 @ 15:04:34

Serial #: 8520

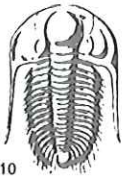
Outside American Warrior, Inc.

O/Brate #5

DST Test Number: 1







# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
FEB 24 2012

## Test Ticket

NO. 46916

4/10

BY:

Well Name & No. O'Brate #5 Test No. 1 Date 2-22-12  
 Company American Warrior, Inc. Elevation 2240 KB 2234 GL  
 Address P.O. Box 399 Garden City, KS 67846  
 Co. Rep / Geo. Jason Alm Rig Petromark 1  
 Location: Sec. 23 Twp. 19S Rge. 22W Co. Ness State KS

Interval Tested 4275-4300 Zone Tested Cherokee "A" sand  
 Anchor Length 25' Drill Pipe Run 4135 Mud Wt. 9.2  
 Top Packer Depth 4270 Drill Collars Run 119.76 Vis 56  
 Bottom Packer Depth 4275 Wt. Pipe Run 0 WL 7.2  
 Total Depth 4300 Chlorides 6100 ppm System LCM 0

Blow Description FF-Strong budding blow, BOB in 6 minutes,  
FST-Weak surface return @ 8 minutes, Slight bubbles,  
FF-Strong budding blow, BOB in 30 seconds,  
FST-Weak surface return @ 7 minutes, Slight bubbles,

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>OCM</u>	<u>20</u>	<u>20</u>	<u>80</u>	<u>0</u>
<u>60</u>	<u>GOCWM</u>	<u>10</u>	<u>20</u>	<u>15</u>	<u>55</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 122 BHT 115 Gravity 1225 API RW @ 2130 °F Chlorides 6100 ppm  
 (A) Initial Hydrostatic 2173  Test  
 (B) First Initial Flow 25  Jars 250  
 (C) First Final Flow 48  Safety Joint 75  
 (D) Initial Shut-In 212  Circ Sub  
 (E) Second Initial Flow 43  Hourly Standby  
 (F) Second Final Flow 53  Mileage 60x2 168  
 (G) Final Shut-In 203  Sampler  
 (H) Final Hydrostatic 2188  Straddle  
 Shale Packer  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility

T-On Location 2130  
 T-Started 0115  
 T-Open 0324  
 T-Pulled 0410  
 T-Out 0645  
 Comments Batt-0058

Initial Open 10  
 Initial Shut-In 15  
 Final Flow 5  
 Final Shut-In 15  
 Sub Total 0  
 Total 1718  
 MP/DST Disc't  
 Sub Total 1718

Approved By \_\_\_\_\_ Our Representative D. Rash

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 CEMENTING CO., LLC. 042484

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Great Bend KS

DATE <u>2-18-12</u>	SEC. <u>23</u>	TWP. <u>19</u>	RANGE <u>22</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30 AM</u>	JOB FINISH <u>4:45 AM</u>
LEASE <u>OBrate</u>	WELL # <u>5</u>	LOCATION <u>Bazine DDRD 6 south</u>		COUNTY <u>NESS</u>	STATE <u>KS</u>		
OLD OR <input checked="" type="radio"/> NEW (Circle one)		<u>1 1/2 west North into</u>					

CONTRACTOR Petromark Rizer  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 TD. 223  
 CASING SIZE 8 7/8 DEPTH 223.79  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 15  
 PERFS! \_\_\_\_\_  
 DISPLACEMENT 13.25 BBLs

OWNER American warrior  
 CEMENT  
 AMOUNT ORDERED 150 SX class A  
+ 38cc + 28cc Gel  
 COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

EQUIPMENT  
 PUMP TRUCK CEMENTER Wayne  
 # 366 HELPER Shane  
 BULK TRUCK  
 # 378 DRIVER Bob  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

Pipe on Bottom Break circulation  
with Rizer mud  
Run 3 BBLs water Ahead  
Mix 150 SX class A + 38cc + 28cc gel  
Displace BBLs flush water  
Shuts in  
Cement did circulate  
Ris Down

TOTAL \_\_\_\_\_

SERVICE

DEPTH OF JOB 223.22  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_

CHARGE TO: American warrior  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

To Allied Cementing Co., 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) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30-DAYS \_\_\_\_\_

PRINTED NAME John Smith  
 SIGNATURE [Signature]



# CEMENTING LOG

STAGE NO. \_\_\_\_\_

Date 2-18-12 District Great Bend Ticket No. 42444  
 Company American Well Co. Rig Peterson 4  
 Lease O Bate Well No. 5  
 County Ness State \_\_\_\_\_  
 Location 23-19-22 Field Bazine  
DDRO to South 1/2 West North 1/2 T0  
 CASING DATA: Conductor  PTA  Squeeze  Misc   
 Surface  Intermediate  Production  Liner   
 Size 8 5/8 Type New Weight 24 Collar 8 RD

CEMENT DATA:  
 Spacer Type: Fresh water  
 Amt. 3 Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density 8.3 PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type Class A  
↑ 390cc + 2966cc Excess \_\_\_\_\_  
 Amt. 150 Skys Yield 1.34 ft<sup>3</sup>/sk Density 15.2 PPG

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

Casing Depths: Top KB Bottom 223

Pump Trucks Used 366 / Shave  
 Bulk Equip. 378 / BOB

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 12 1/4 T.D. 223 ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 10637 Lin. ft./Bbl. 15.70  
 Open Holes: Bbls/Lin. ft. 1458 Lin. ft./Bbl. 6.85  
 Drill Pipe: Bbls/Lin. ft. 01422 Lin. ft./Bbl. 70.32  
 Annulus: Bbls/Lin. ft. 0735 Lin. ft./Bbl. 13.60  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Float: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type Fresh Amt. \_\_\_\_\_ Bbls. Weight 8.3 PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE \_\_\_\_\_ CEMENTER Wayne Davis

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
<u>1130</u>						<u>ON Job Site</u>
						<u>Had Tail Gate Safety meeting</u>
						<u>Rig up</u>
						<u>Ran casing</u>
						<u>circulated with Rig mud</u>
<u>430 AM</u>			<u>3</u>	<u>3</u>		<u>Ran 3 BBLs fresh water - Ahead</u>
			<u>38.79</u>	<u>35.79</u>		<u>MIX 150 SK Class A + 378cc + 2966cc</u>
<u>445 AM</u>			<u>5203</u>	<u>13.24</u>		<u>Displace 13.24 BBLs fresh water -</u>
						<u>Slut in</u>
						<u>Cement did circulated</u>

MILLER PRINTERS, INC. - Great Bend, KS



Services, Inc.

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

TICKET No 22008

PAGE 1 OF 2

SERVICE LOCATIONS: 1. No. 445 KS  
WELL/PROJECT NO. 5  
LEASE O Brake  
COUNTY/PARISH: Adams  
STATE: KS  
CITY: Bazine  
DATE: 24 FEB 12  
OWNER

TICKET TYPE:  SERVICE  SALES  
CONTRACTOR  
RIG NAME/NO.  
WELL CATEGORY: Platform  
JOB PURPOSE: Development  
WELL PERMIT NO.  
WELL LOCATION: 23-19-22W

INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE	704	1.14			6.00	180.00
578					Pump charges	1	00			1500.00	1500.00
402					Can Hoist	5 1/2	in	5	00	70.00	350.00
403					Cement Bucket	5 1/2	in	2	10	250.00	500.00
404					Post collar	5 1/2	in	1	00	2400.00	2400.00
406					Latch down disc shackle	5 1/2	in	1	00	250.00	250.00
407					insect flat shoes of wireline	5 1/2	in	1	00	350.00	350.00
419					Rotating head rental	5 1/2	in	1	00	200.00	200.00

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.  
MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: \_\_\_\_\_ TIME SIGNED: \_\_\_\_\_  
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	TAX	TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				5670.00		
WE UNDERSTOOD AND MET YOUR NEEDS?				5278.25		
OUR SERVICE WAS PERFORMED WITHOUT DELAY?						
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?						
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND						

SWIFT OPERATOR: \_\_\_\_\_ APPROVAL: \_\_\_\_\_  
CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES  
Thank You!



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

TICKET CONTINUATION

TICKET No. 22008

CUSTOMER American West '05 WELL 5 DATE 24 Feb 12 PAGE 21 OF 22

325	1	STANDARD Connect (for 5A-2)	175	5k	13.30	2362.50
284	1	Calsol	800	16	35.00	280.00
283	1	SALT	900	16	0.20	180.00
292	1	hald-322	125	16	7.75	968.75
276	1	Fiberlec	50	16	2.00	100.00
290	1	D-AIR	3	gal	35.00	105.00
281	1	MUD FLUSH	500	gal	1.25	625.00
221	1	KCL Liquid	2	gal	25.00	50.00
582	1	Drayage (w/in)			250.00	250.00
581	1	SERVICE CHARGE	175		2 hr	350.00
TOTAL WEIGHT			TOTAL MILES		CUBIC FEET	
					21	

5270 25

JOB LOG

SWIFT Services, Inc.

DATE 24 FEB 12 PAGE NO.

CUSTOMER Ames. Co. W. Ass. Co. WELL NO. 5 LEASE OBrate JOB TYPE Cement long string TICKET NO. 22008

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 SKS EA-2 w/ 1/2" floccul
								TD - 4380' TOTAL PIPE 4382' string + 42.09'
								Cart. 1, 2, 3, 4, 68 Basket 5, 69 - 105, 15 -
								roll collar (69) 1478' jets out 81, 85
	0600							on loc TRK 114
	0840							start 5 1/2" casing in well
	1040							Drop ball - circulate - ROTATE
	1120	4 3/4	12					Pump 500 gal mud flush
		4 3/4	20					Pump 20 bbl KCL flush
	1125		7					Plug RH <u>30 SKS</u>
	1130	4 1/4	35			250		Mix EA-2 cement <u>145 SKS</u> @ 15.3 PPG
	1135							Drop latch drum plug
								wash out pump & line
	1145	6 3/4	103			750		Displace plug
		6 3/4	95			850		
	1200		103			1500		Land Plug
	1205							Release pressure to truck - dried up
								wash truck
								PACK UP
	1230							job complete
								Thanks Blaine, Wayne & Dave



Services, Inc.

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

TICKET No 22014

PAGE 1 OF 1

1. SERVICE LOCATIONS: **Avella VS** WELL/PROJECT NO: **VS** LEASE: **08rate** COUNTY/PARISH: **NEBO** STATE: **LS** CITY: **Brazier** DATE: **1 MAR 12** OWNER: **1**

2. TICKET TYPE:  SERVICE  SALES CONTRACTOR: **VS** RIG NAME/NO: **NEBO** SHIPPED: **VCT** DELIVERED TO: **WELT 15N** ORDER NO.:

3. WELL TYPE: **D1** WELL CATEGORY: **#0** JOB PURPOSE: **Development cement part collar** WELL PERMIT NO.:

4. REFERRAL LOCATION: **D1** INVOICE INSTRUCTIONS: **Development cement part collar** WELL LOCATION: **23-14-220**

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UN	QTY.	UN	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					TRK 114	20	mi				6.00	120.00
576D					Pump Charge	1	104				1250.00	1250.00
330					SWD cement	120	5K				16.50	1980.00
276					Flare	20	lb				2.00	100.00
290					D-AIR	2	gal				35.00	70.00
581					service charge	175	5K				2.00	350.00
582					Drayage (min)	1	oz				250.00	250.00
104					part collar tool rental	1	oz				250.00	250.00

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

DATE SIGNED: **Scott** TIME SIGNED: **1:00**  A.M.  P.M.

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	4370	00
TAX	151	20
TOTAL	4521	20

SWIFT OPERATOR: **ARJ** APPROVAL: **ARJ**

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE / MAR 18 PAGE NO.

CUSTOMER American Union WELL NO. #5 LEASE O'Brate JOB TYPE Cement port collar TICKET NO. 22014

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								1755K 5MD w/ 4" floccle 2 3/8" x 5 1/2" 1478' PORT COLLAR
	1030							TRX 114 on loc
	1035					1000	1000	test to 1000 psi - held open PORT COLLAR
	1040	3	4				400	inj rate 3bpm @ 400 psi
	1044	3 3/4					400	mix 5MD cement @ 11.2 ppg
		3 3/4	1				400	1 bbl fluid to surface
	1105	3 3/4	62				600	cement to surface {20skt mixed 20 bbl}
		3 3/4	5				600	Displace 5 bbl H <sub>2</sub> O close port collar
	1110					1000	1000	test to 1000 psi - held Run 4 joints
	1120		20					Reverse hole clean 2 cement plugs unsh truck Rack up
	1200							job complete Thank Dave, Kac Wayne & Blair