



KANSAS CORPORATION COMMISSION 1082302  
OIL & GAS CONSERVATION DIVISION

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: Scott Corsari  
Phone: ( 785 ) 398-2270  
CONTRACTOR: License # 33323  
Name: Petromark Drilling, LLC  
Wellsite Geologist: Jason Alm  
Purchaser: NCRA

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 #: \_\_\_\_\_  
03/16/2012    03/29/2012    05/04/2012  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-135-25352-00-00  
Spot Description: \_\_\_\_\_  
NW NW SE NW Sec. 23 Twp. 19 S. R. 22  East  West  
1386 Feet from  North /  South Line of Section  
1397 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Ness  
Lease Name: Delaney Well #: 2-23  
Field Name: \_\_\_\_\_  
Producing Formation: Mississippian  
Elevation: Ground: 2229 Kelly Bushing: 2235  
Total Depth: 4364 Plug Back Total Depth: 4363  
Amount of Surface Pipe Set and Cemented at: 223 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1450 Feet  
If Alternate II completion, cement circulated from: 1450  
feet depth to: 0 w/ 125 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 25000 ppm Fluid volume: 240 bbls  
Dewatering method used: Hauled to Disposal  
Location of fluid disposal if hauled offsite:  
Operator Name: American Warrior, Inc  
Lease Name: Moore-Hamzy License #: 4058  
Quarter SE Sec. 27 Twp. 19 S. R. 21  East  West  
County: Ness Permit #: D28845

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 Gantner Date: 05/24/2012



1082302

Operator Name: American Warrior, Inc. Lease Name: Delaney Well #: 2-23  
 Sec. 23 Twp. 19 S. R. 22  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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(If no, Submit Copy)</i><br><br>List All E. Logs Run:<br><br>Dual Induction, Dual Compensated Porosity<br>Dual Receiver Cement Bond | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>Name Top Datum<br>Attached Attached Attached |
|--|--|

| CASING RECORD <input checked="" 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 |
| Surface   | 12.25             | 8.625                     | 23                | 223           | Common         | 150          | 3% CC/ 2% gel              |
| Production  | 7.875             | 5.5                       | 15.5              | 4363          | EA-2           | 175          | 1/4# Flocele               |
|   |                   |                           |                   |               |                |              |                            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD   |                  |                |              |                            |
|---|------------------|----------------|--------------|----------------------------|
| Purpose:  | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate<br><input checked="" type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><input type="checkbox"/> Plug Off Zone | 0-1450           | SMD            | 125          | 1/4# Flocele               |
|   |                  |                |              |                            |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br><i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
| 4              | 4352.5-4362.5   |  |       |
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |

|  |                     |  |   |
|--|---------------------|--|---|
| TUBING RECORD: Size: <u>2.375</u> Set At: <u>4355</u> Packer At: _____ |                     | Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No  |   |
| Date of First, Resumed Production, SWD or ENHR.<br><u>05/04/2012</u>   |                     | Producing Method:<br><input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____ |   |
| Estimated Production Per 24 Hours                                      | Oil Bbts. <u>30</u> | Gas Mcf _____  | Water Bbts. <u>10</u> Gas-Oil Ratio _____ Gravity <u>40</u> |

|   |  |  |
|---|--|--|
| DISPOSITION OF GAS:<br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION:<br><input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i><br><input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL:<br><u>4352.5-4363.5</u> |
|---|--|--|

|           |                        |
|-----------|------------------------|
| Form      | ACO1 - Well Completion |
| Operator  | American Warrior, Inc. |
| Well Name | Delaney 2-23           |
| Doc ID    | 1082302                |

Tops

|                  |      |       |
|------------------|------|-------|
|                  |      |       |
| Anhydrite        | 1482 | 753   |
| Heebner          | 3702 | -1467 |
| Lansing          | 3747 | -1512 |
| Base Kansas City | 4085 | -1850 |
| Pawnee           | 4172 | -1937 |
| Ft. Scott        | 4250 | -2015 |
| Cherokee         | 4270 | -2035 |
| Mississippian    | 4351 | -2116 |
| TD               | 4364 | -2129 |

# ALLIED CEMENTING CO., LLC. 042421

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

SERVICE POINT: Great Bend

|                                    |                   |                              |                 |  |                    |                          |                           |
|------------------------------------|-------------------|------------------------------|-----------------|--|--------------------|--------------------------|---------------------------|
| DATE <u>3-15-16</u>                | SEC <u>23</u>     | TWP. <u>19</u>               | RANGE <u>22</u> | CALLED OUT                             | ON LOCATION        | JOB START <u>11:00pm</u> | JOB FINISH <u>11:30pm</u> |
| LEASE <u>Delaney</u>               | WELL# <u>Z-23</u> | LOCATION <u>Delaney KS</u>   | <u>Lawrence</u> | <u>KS</u>                              | COUNTY <u>Deer</u> | STATE <u>KS</u>          |                           |
| OLD OR NEW (Circle one) <u>NEW</u> |                   | to Rd 90 1/2 west south into |                 |  |                    |                          |                           |
| CONTRACTOR <u>Petromark</u>        |                   |                              |                 | OWNER <u>American Warriors</u>         |                    |                          |                           |
| TYPE OF JOB <u>24" 29cc</u>        |                   |                              |                 | CEMENT                                 |                    |                          |                           |
| HOLE SIZE <u>4 1/2"</u>            |                   | T.D. <u>223</u>              |                 | AMOUNT ORDERED <u>150 gals Class A</u> |                    |                          |                           |
| CASING SIZE <u>5 1/2"</u>          |                   | DEPTH <u>273</u>             |                 | 29cc 2 1/2 gal                         |                    |                          |                           |
| TUBING SIZE                        |                   | DEPTH                        |                 |  |                    |                          |                           |
| DRILL PIPE                         |                   | DEPTH                        |                 |  |                    |                          |                           |
| TOOL                               |                   | DEPTH                        |                 |  |                    |                          |                           |
| FEED MAX                           |                   | MINIMUM                      |                 | COMMON <input type="checkbox"/>        |                    |                          |                           |
| MEAS. LINE                         |                   | SHOE JOINT                   |                 | POZMIX <input type="checkbox"/>        |                    |                          |                           |
| CEMENT LEFT IN CSG. <u>150</u>     |                   |                              |                 | GEL <input type="checkbox"/>           |                    |                          |                           |
| PERFS                              |                   |                              |                 | CHLORIDE <input type="checkbox"/>      |                    |                          |                           |
| DISPLACEMENT <u>13.25</u>          |                   |                              |                 | ASC <input type="checkbox"/>           |                    |                          |                           |

### EQUIPMENT

|                         |                       |                   |
|-------------------------|-----------------------|-------------------|
| PUMP TRUCK # <u>224</u> | CEMENTER <u>Greg</u>  | HELPER <u>Jon</u> |
| BULK TRUCK # <u>341</u> | DRIVER <u>Kevin E</u> |                   |
| BULK TRUCK # _____      | DRIVER _____          |                   |

### REMARKS:

Pipe on bottom - Circulate  
Setting 4" 29cc 24" 29cc  
24" 29cc Class A 2 1/2 gal  
29cc gel. Displace of 13.25  
24" water cement and  
circ. shut in  
11:30pm

CHARGE TO: American Warriors

STREET \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

|                  |                          |
|------------------|--------------------------|
| COMMON           | <input type="checkbox"/> |
| POZMIX           | <input type="checkbox"/> |
| GEL              | <input type="checkbox"/> |
| CHLORIDE         | <input type="checkbox"/> |
| ASC              | <input type="checkbox"/> |
| HANDLING MILEAGE | <input type="checkbox"/> |
| TOTAL            | _____                    |

### SERVICE

|                   |                          |
|-------------------|--------------------------|
| DEPTH OF JOB      | _____                    |
| PUMP TRUCK CHARGE | _____                    |
| EXTRA FOOTAGE     | <input type="checkbox"/> |
| MILEAGE           | <input type="checkbox"/> |
| MANIFOLD          | <input type="checkbox"/> |
| TOTAL             | _____                    |

### PLUG & FLOAT EQUIPMENT

|                    |       |
|--------------------|-------|
| SALES TAX (If Any) | _____ |
| TOTAL CHARGES      | _____ |
| DISCOUNT           | _____ |
| IF PAID IN 30 DAYS | _____ |
| 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.

PRINTED NAME John Smith

SIGNATURE John Smith

Thank You!



# CEMENTING LOG

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

Date 7-15-12 District Great Bend Ticket No. 424421  
 Company American Drilling Rig Streamline  
 Lease DeLooney Well No. C-27  
 County Doss State KS  
 Location \_\_\_\_\_ Field \_\_\_\_\_

CEMENT DATA: Freshwater  
 Spacer Type \_\_\_\_\_ Amt. 7 Size Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_

Amt. \_\_\_\_\_ Size Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

TALE: Pump Time 11:45 to 12:00 hrs. Type C-27

Amt. 150 Size Yield 1.36 ft<sup>3</sup>/sk Density 1.52 PPG

WATER: Lead \_\_\_\_\_ gals/sk Tail \_\_\_\_\_ gals/sk Total \_\_\_\_\_ Bbls.

Pump Trucks Used 244 John P. Lane

Bulk Equip. 341 Kevin E.

Float Equip: Manufacturer \_\_\_\_\_

Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_

Float: Type \_\_\_\_\_ Depth \_\_\_\_\_

Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_

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

Special Equip. \_\_\_\_\_

Disp. Fluid Type Native Amt. \_\_\_\_\_ Bbls. Weight \_\_\_\_\_ PPG

Mud Type Native Weight \_\_\_\_\_ PPG

CASING DATA: Conductor  PTA  Squeeze  Misc   
 Surface  Intermediate  Production  Casing   
 Size 8 5/8 Type NUW Weight 22.3 Collar 8.19

Casing Depth: Top 115.0 Bottom 223.0

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_

Open Hole: Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. 0.637 Lin. ft./Bbl. 15.70

Open Hole: Bbls/Lin. ft. 1.058 Lin. ft./Bbl. 0.95

Drill Pipe: Bbls/Lin. ft. 0.142 Lin. ft./Bbl. 7.03

Annulus: Bbls/Lin. ft. 0.932 Lin. ft./Bbl. 1.07

Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_

Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

COMPANY REPRESENTATIVE \_\_\_\_\_ CEMENTER Kevin E.

| TIME | PRESSURES PSI |                   | FLUID PUMPED DATA |             |                         | REMARKS                    |
|------|---------------|-------------------|-------------------|-------------|-------------------------|----------------------------|
|      | AM/PM         | DRILL PIPE CASING | ANNULUS           | TOTAL FLUID | Pumped ft / Time-Period |                            |
|      |               |                   |                   |             |                         | at location - rig up       |
|      |               |                   |                   |             |                         | holds 200 lbs water        |
|      |               |                   |                   |             |                         | run 8 5/8 casing           |
|      |               |                   |                   |             |                         | (circ casing w/ Rigman)    |
|      |               |                   |                   |             |                         | Heat up cement pump        |
|      |               |                   |                   |             |                         | run 150 sks cement         |
|      |               |                   |                   |             |                         | displace w/ 3.05 BBL water |
|      |               |                   |                   |             |                         | Cont J. & circ             |
|      |               |                   |                   |             |                         | Shut in                    |
|      |               |                   |                   |             |                         | Rig down                   |



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

TICKET  
 N° **22134**

PAGE **1** OF **2**

SERVICE LOCATIONS  
 1. **NESS CITY, KS.** WELL/PROJECT NO. **DELANEY 2-23** LEASE **NESS** COUNTY/STATE **NESS KS** CITY **BAZINE, KS.** DATE **29 MAR 12** OWNER  
 2. TICKET TYPE  SERVICE  SALES CONTRACTOR **PETROMARK DRILLING** RIG NAME/NO. SHIPPED VIA DELIVERED TO ORDER NO.  
 3. WELL TYPE **OIL** WELL CATEGORY **DEVELOPMENT** JOB PURPOSE **5 1/2 LONG STRING.** WELL PERMIT NO. WELL LOCATION **45 1/4 W, S 7 TO**  
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

| PRICE REFERENCE | SECONDARY REFERENCE/<br>PART NUMBER | ACCOUNTING |      |    | DESCRIPTION                   | QTY. |     | UNIT PRICE |          | AMOUNT  |
|-----------------|-------------------------------------|------------|------|----|-------------------------------|------|-----|------------|----------|---------|
|                 |                                     | LOC        | ACCT | DF |                               | QTY. | UM  | QTY.       | UM       |         |
| 575             |                                     |            |      |    | MILEAGE #110                  | 20   | MIL | 6.00       |          | 120.00  |
| 578             |                                     |            |      |    | PUMP CHARGE                   | 1    | JOB | 1500.00    |          | 1500.00 |
| 402             |                                     |            |      |    | CENTRALIZERS                  | 5    | EA. | 70.00      |          | 350.00  |
| 403             |                                     |            |      |    | CEMENT BASKETS                | 2    | EA. | 250.00     |          | 500.00  |
| 404             |                                     |            |      |    | PORT COLLAR                   | 1    | EA. | 2400.00    | 1450 FT. | 2400.00 |
| 406             |                                     |            |      |    | LATCH DOWN PLUG & BAFFLE      | 1    | EA. | 250.00     |          | 250.00  |
| 407             |                                     |            |      |    | INSERT FLOAT SHOE W/AUTO FILL | 1    | EA. | 350.00     |          | 350.00  |
| 281             |                                     |            |      |    | MUD FLUSH                     | 500  | YAL | 1.25       |          | 625.00  |
| 221             |                                     |            |      |    | LIQUID KCL                    | 2    | YAL | 25.00      |          | 50.00   |
| 419             |                                     |            |      |    | ROTATING HEAD RENTAL          | 1    | JOB | 200.00     |          | 200.00  |

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.  
 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS  
 X Scott  
 DATE SIGNED **29 MAR 12** TIME SIGNED **0530**  P.M.

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

| SURVEY  | AGREE | UN-DECIDED | DIS-AGREE | PAGE TOTAL | AMOUNT    |
|---|-------|------------|-----------|------------|-----------|
| OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  |       |            |           | 1          | 6345.00   |
| WE UNDERSTOOD AND MET YOUR NEEDS?   |       |            |           | 2          | 4541.50   |
| OUR SERVICE WAS PERFORMED WITHOUT DELAY?  |       |            |           | sub total  | 10,886.50 |
| WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?                        |       |            |           | TAX 6.3%   | 545.99    |
| ARE YOU SATISFIED WITH OUR SERVICE?<br><input type="checkbox"/> YES <input type="checkbox"/> NO |       |            |           | TOTAL      | 11,432.49 |

SWIFT OPERATOR [Signature] APPROVAL [Signature] CUSTOMER ACCEPTS ALL MATERIALS AND SERVICES  
**Thank You!**



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

TICKET CONTINUATION

TICKET No. 22134

CUSTOMER AMERICAN WARRIOR WELL DELANEY DATE PAGE 2 OF 2

|     |  |  |  |  |                     |         |              |                   |           |        |
|-----|--|--|--|--|---------------------|---------|--------------|-------------------|-----------|--------|
| 276 |  |  |  |  | FLUCELE             | 44/lbs  |              | 2 <sup>10</sup>   | 88        | 10     |
| 233 |  |  |  |  | SALT                | 900/lbs |              | 2 <sup>10</sup>   | 180       | 10     |
| 234 |  |  |  |  | CALSEAL             | 85x     |              | 35 <sup>10</sup>  | 280       | 10     |
| 292 |  |  |  |  | HALAD 322           | 124/lbs |              | 7 <sup>75</sup>   | 961       | 10     |
| 290 |  |  |  |  | D-AIR               | 2 gal   |              | 35 <sup>10</sup>  | 70        | 10     |
| 325 |  |  |  |  | STANDARD CEMENT EA2 | 1755x   |              | 13 <sup>50</sup>  | 23102     | 50     |
| 581 |  |  |  |  | SERVICE CHARGE      |         |              | 2 <sup>00</sup>   | 350       | 00     |
| 582 |  |  |  |  | TOTAL WEIGHT        | 18318   | LOADED MILES | 20                | TON MILES | 183.18 |
|     |  |  |  |  |                     |         |              | 250 <sup>00</sup> | 250       | 00     |

1541 50

JOB LOG

SWIFT Services, Inc.

DATE 29 MAR 12 PAGE NO.

CUSTOMER AMERICAN WARRIOR

WELL NO. 2-23

LEAD ~~DELANEY~~ DELANEY

JOB TYPE 5 1/2 LONGSTRING

TICKET NO. 22134

| CHART NO. | TIME            | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS |   | PRESSURE (PSI) |        | DESCRIPTION OF OPERATION AND MATERIALS   |
|-----------|-----------------|------------|--------------------|-------|---|----------------|--------|--|
|           |                 |            |                    | T     | C | TUBING         | CASING |  |
| 0001      | <del>0150</del> |            |                    |       |   |                |        | ON LOCATION  |
|           | 0150            |            |                    |       |   |                |        | START PIPE 5 1/2 - 15.5 #<br>RTD @ 4371 LTD @ 4364<br>SHOE JT 40.16'<br>CENTRALIZERS 1, 2, 3, 4, 71<br>BASKETS 5, 72<br>PORT COLLAR TOP OF JTA 72 @ 1450 |
|           | 0355            |            |                    |       |   |                |        | DROP BALL CIRCULATE.   |
|           | 0420            | 6          | 12                 |       |   |                | 300    | Pump 500 gal MUD FLUSH   |
|           |                 | 6          | 20                 |       |   |                | 300    | Pump 20 BBL KCL FLUSH  |
|           | 0426            |            | 7                  |       |   |                |        | PLUG RH (30sx)   |
|           | 0428            | 4          | 35                 |       |   |                |        | MIX 1/5 SX EA2   |
|           | 0440            |            |                    |       |   |                |        | WASH OUT PUMPING LINES.  |
|           | 0442            | 6          |                    |       |   |                |        | START DISPLACEMENT   |
|           | 0500            | Ø          | 103                |       |   |                | 1500   | PLUG DOWN PSI UP LATCH PLUG IN   |
|           | 0503            |            |                    |       |   |                |        | RELEASE PSI - DRY  |
|           | 0506            |            |                    |       |   |                |        | WASH TRUCK   |
|           | 0530            |            |                    |       |   |                |        | JOB COMPLETE   |
|           |                 |            |                    |       |   |                |        | THANKS #110.   |
|           |                 |            |                    |       |   |                |        | JASON SEFF DOUG  |





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

TICKET  
 No **82140**

PAGE **1** OF

SERVICE LOCATIONS: **1. NESS CITY, KS**  
 WELL/PROJECT NO.: **DELANEY 2-23** LEASE: **NESS** COUNTY: **NESS** STATE: **KS.** CITY: **BAZINE, KS** DATE: **9 APR 12** OWNER:  
 TICKET TYPE:  SERVICE  SALES CONTRACTOR: **HD OILFIELD SERV.** RIG NAME/NO.: SHIPPED VIA: DELIVERED TO: ORDER NO.:  
 WELL TYPE: **OIL** WELL CATEGORY: **DEVELOPMENT** JOB PURPOSE: **CEMENT PORT COLLAR** WELL PERMIT NO.: WELL LOCATION: **35 1/4 W 51 N 10**  
 REFERRAL LOCATION: INVOICE INSTRUCTIONS:

| PRICE REFERENCE | SECONDARY REFERENCE/<br>PART NUMBER | ACCOUNTING |      |    | DESCRIPTION              | QTY.  |     | UNIT PRICE |    | AMOUNT  |
|-----------------|-------------------------------------|------------|------|----|--------------------------|-------|-----|------------|----|---------|
|                 |                                     | LOC        | ACCT | DF |                          |       | UM  |            | UM |         |
| 575             |                                     |            |      |    | MILEAGE #110             | 25    | ML  | 6.00       |    | 150.00  |
| 576 D           |                                     |            |      |    | Pump CHARGE              | 1     | HOB | 125.00     |    | 125.00  |
| 105             |                                     |            |      |    | PORT COLLAR OPENING TOOL | 1     | HOB | 350.00     |    | 350.00  |
| 276             |                                     |            |      |    | FLOCCLE                  | 32    | lbs | 2.00       |    | 64.00   |
| 290             |                                     |            |      |    | D-AIR                    | 1     | PC  | 35.00      |    | 35.00   |
| 330             |                                     |            |      |    | SWIFT MULTI DENSITY      | 125   | 5x  | 16.50      |    | 2062.50 |
| 581             |                                     |            |      |    | SERVICE CHARGE CEMENT    | 175   | 5x  | 2.00       |    | 350.00  |
| 582             |                                     |            |      |    | MINIMUM DRAINAGE         | 17384 | lbs | 217.3      | TM | 250.00  |

**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 **Scott**  
 DATE SIGNED **9 APR 12** 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   | AGREE                        | UN-DECIDED                  | DIS-AGREE | PAGE TOTAL     |
|--|------------------------------|-----------------------------|-----------|----------------|
| OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?                               |                              |                             |           | <b>4511 50</b> |
| 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?                                      | <input type="checkbox"/> YES | <input type="checkbox"/> NO |           |                |
| <input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND                |                              |                             |           | TOTAL          |

TAX **6.3%** **158 22**

**4669 72**

SWIFT OPERATOR: **James E. Kelly** APPROVAL:

Thank You!



# **Geological Report**

American Warrior, Inc.

**Delaney #2-23**

1377' FNL & 1417' FWL

Sec. 23 T19s R22w

Ness County, Kansas



**American Warrior, Inc.**

## General Data

**Well Data:** American Warrior, Inc.  
Delaney #2-23  
1377' FNL & 1417' FWL  
Sec. 23 T19s R22w  
Ness County, Kansas  
API # 15-135-25352-0000

**Drilling Contractor:** Petromark Drilling, LLc Rig #1

**Geologist:** Jason T Alm

**Spud Date:** March 16, 2012

**Completion Date:** March 29, 2012

**Elevation:** 2229' Ground Level  
2235' Kelly Bushing

**Directions:** Bazine KS, 3 mi. South to 90 rd. West 1.5 mi. South into location.

**Casing:** 223' 8 5/8" surface casing  
4364' 5 1/2" production casing

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

**Drilling Time:** 3600' to RTD

**Electric Logs:** Log-Tech, Inc. "Dan Schmidt"  
CNL/CDL, DIL

**Drillstem Tests:** One, Trilobite Testing, Inc. "Brian Fairbank"

**Problems:** Part broke in drawworks early in well, the rig was down for a week fixing broken part.

**Remarks:** None

## Formation Tops

| American Warrior, Inc. |                     |
|------------------------|---------------------|
| Delaney #2-23          |                     |
| Sec. 23 T19s R22w      |                     |
| 1377' FNL & 1417' FWL  |                     |
| <b>Formation</b>       |                     |
| Anhydrite              | <b>1482', +753</b>  |
| Base                   | <b>1519', +716</b>  |
| Heebner                | <b>3702', -1467</b> |
| Lansing                | <b>3747', -1512</b> |
| BKc                    | <b>4085', -1850</b> |
| Pawnee                 | <b>4172', -1937</b> |
| Fort Scott             | <b>4250', -2015</b> |
| Cherokee               | <b>4270', -2035</b> |
| Mississippian          | <b>4351', -2116</b> |
| RTD                    | <b>4371', -2136</b> |
| LTD                    | <b>4364', -2129</b> |

## Sample Zone Descriptions

- Fort Scott (4250', -2015): Not Tested**  
 Ls – Fine to sub-crystalline with poor scattered inter-crystalline and vuggy porosity, light to fair oil stain in porosity, slight show of free oil, fair odor, bright yellow fluorescents, 30 units hotwire.
- Cherokee “A” Sand (4274', -2039): Covered in DST #1**  
 Ss – Quartz, slightly frosted, fine to medium grained, sub-rounded, fairly sorted, poorly cemented with fair to good inter-granular porosity, fair oil stain and saturation in porosity, show of free oil when broken, fair odor, good cut yellow fluorescents, many random grains, 42 units hotwire.
- Mississippian Osage (4406', -2124): Not Tested**  
 Dolo – Δ – Fine sucrosic crystalline with poor to fair vuggy porosity, heavy triptolitic chert, weathered with fair to good vuggy porosity, fair to good scattered oil stain in porosity, good odor, bright yellow fluorescents, 36 units hotwire.

**Drill Stem Tests**  
 Trilobite Testing, Inc.  
 "Brian Fairbank"

|               |  |         |
|---------------|--|---------|
| <b>DST #1</b> | <b><u>Cherokee "A" Sand</u></b>            |         |
|               | Interval (4275' – 4305') Anchor Length 30' |         |
|               | IHP – 2102 #                               |         |
|               | IFP – 45" – B.O.B. 39 min.                 | 20-31 # |
|               | ISI – 45" – Dead                           | 234 #   |
|               | FFP – 45" – B.O.B. 35 min.                 | 37-50 # |
|               | FSI – 45" – Dead                           | 216 #   |
|               | FHP – 2036 #                               |         |
|               | BHT – 115°F                                |         |
|               | Recovery: 325' GIP                         |         |
|               | 15' OCM 10% Oil                            |         |
|               | 60' GOCM 20% Oil                           |         |

**Structural Comparison**

|                  | American Warrior, Inc.<br>Delaney #2-23<br>Sec. 23 T19s R22w<br>1377' FNL & 1417' FWL | American Warrior, Inc.<br>Delaney #1-23<br>Sec. 23 T19s R22w<br>750' FNL & 1360' FWL |       | Twin Western<br>Henry #2<br>Sec. 23 T19s R22w<br>C SE NW |       |
|------------------|---|--|-------|--|-------|
| <b>Formation</b> |   |  |       |  |       |
| Anhydrite        | 1482', +753   | 1488', +750  | (+3)  | 1499', +754  | (-1)  |
| Base             | 1519', +716   | NA   | NA    | NA   | NA    |
| Heebner          | 3702', -1467  | 3703', -1465   | (-2)  | 3736', -1483   | (+16) |
| Lansing          | 3747', -1512  | 3750', -1512   | FL    | 3783', -1530   | (+18) |
| BKc              | 4085', -1850  | NA   | NA    | NA   | NA    |
| Pawnee           | 4172', -1937  | NA   | NA    | 4211', -1958   | (+21) |
| Fort Scott       | 4250', -2015  | 4248', -2010   | (-5)  | 4288', -2035   | (+20) |
| Cherokee         | 4270', -2035  | 4270', -2032   | (-3)  | 4310', -2057   | (+22) |
| Mississippian    | 4351', -2116  | 4336', -2098   | (-16) | 4306', -2053   | (+37) |

## Summary

The location for the Delaney #2-23 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. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the Delaney #2-23 well.

## Recommended Perforations

**Primary:**

|                            |                          |                   |
|----------------------------|--------------------------|-------------------|
| <b>Mississippian Osage</b> | <b>( 4351' – 4361' )</b> | <b>Not Tested</b> |
|----------------------------|--------------------------|-------------------|

**Secondary:**

|                          |                          |               |
|--------------------------|--------------------------|---------------|
| <b>Cherokee "A" Sand</b> | <b>( 4274' – 4282' )</b> | <b>DST #1</b> |
|--------------------------|--------------------------|---------------|

**Before Abandonment:**

|                   |                          |                   |
|-------------------|--------------------------|-------------------|
| <b>Fort Scott</b> | <b>( 4253' – 4262' )</b> | <b>Not Tested</b> |
|-------------------|--------------------------|-------------------|

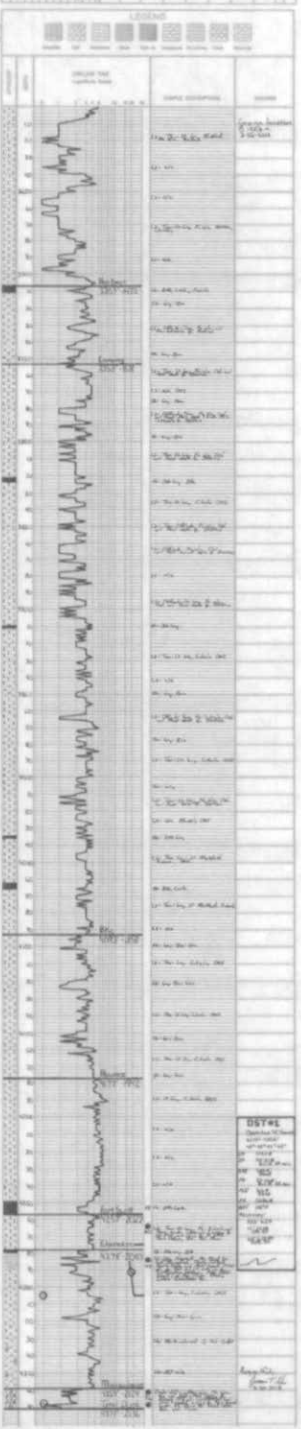
Respectfully Submitted,

Jason T. Alm  
Hard Rock Consulting, Inc.

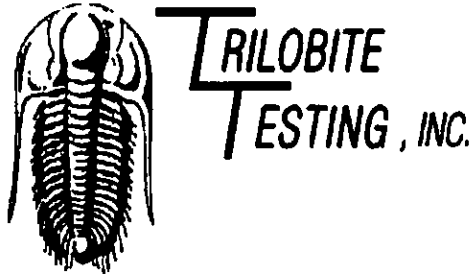
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PROJECT NO. 233  
DATE 11/17/2011  
BY [Signature]  
CHECKED BY [Signature]

| NO. | DESCRIPTION | DATE | TIME | REMARKS |
|-----|-------------|------|------|---------|
|     |             |      |      |         |
|     |             |      |      |         |
|     |             |      |      |         |

ADDITIONAL INFORMATION  
PROJECT NO. 233  
DATE 11/17/2011  
BY [Signature]  
CHECKED BY [Signature]







## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399  
Garden City, Ks 67646

ATTN: Jason Alm

### **Delaney #2-23**

### **23-19s-22w Ness,KS**

Start Date: 2012.03.27 @ 19:07:08

End Date: 2012.03.28 @ 03:15:08

Job Ticket #: 36074                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.03.30 @ 09:21:07

American Warrior Inc.

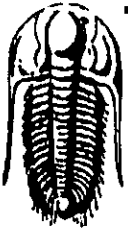
23-19s-22w Ness,KS

Delaney #2-23

DST # 1

Cherokee "A" Sand

2012.03.27



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior Inc.  
PO Box 399  
Garden City, Ks 67646  
ATTN: Jason Alm

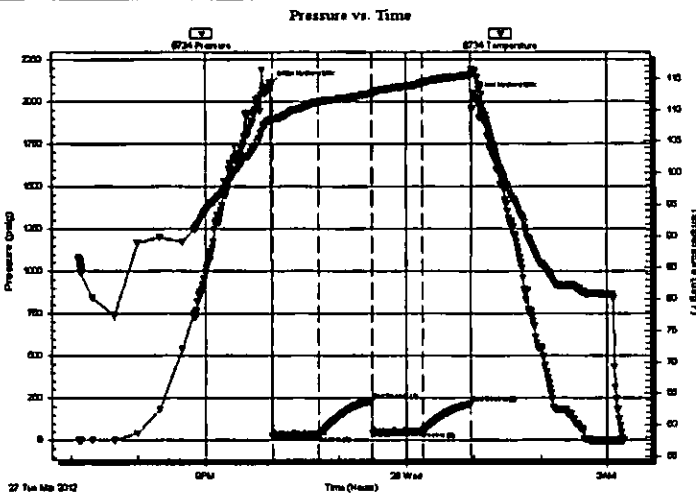
**23-19s-22w Ness, KS**  
**Delaney #2-23**  
Job Ticket: 36074      **DST#: 1**  
Test Start: 2012.03.27 @ 19:07:08

## GENERAL INFORMATION:

Formation: **Cherokee "A" Sand**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 21:59:38  
 Time Test Ended: 03:15:08  
 Interval: **4275.00 ft (KB) To 4305.00 ft (KB) (TVD)**  
 Total Depth: **4305.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**  
 Test Type: **Conventional Bottom Hole (Initial)**  
 Tester: **Brian Fairbank**  
 Unit No: **41**  
 Reference Elevations: **2235.00 ft (KB)**  
    **2229.00 ft (CF)**  
 KB to GR/CF: **6.00 ft**

**Serial #: 8734**      **Outside**  
 Press@RunDepth: **50.13 psig @ 4277.00 ft (KB)**      Capacity: **8000.00 psig**  
 Start Date: **2012.03.27**      End Date: **2012.03.28**      Last Calib.: **2012.03.27**  
 Start Time: **19:07:09**      End Time: **03:15:08**      Time On Btm: **2012.03.27 @ 21:58:08**  
         **03:15:08**      Time Off Btm: **2012.03.28 @ 01:00:08**

**TEST COMMENT:** IFF - BOB 39 min  
 ISI - no blow back  
 FFP - BOB 35 min  
 FSI - no blow back



## PRESSURE SUMMARY

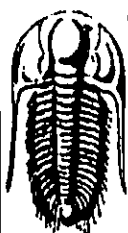
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2102.22         | 108.36       | Initial Hydro-static |
| 2           | 20.92           | 108.58       | Open To Flow (1)     |
| 44          | 31.84           | 111.21       | Shut-In(1)           |
| 91          | 234.62          | 112.52       | End Shut-In(1)       |
| 92          | 37.95           | 112.64       | Open To Flow (2)     |
| 136         | 50.13           | 114.28       | Shut-In(2)           |
| 180         | 215.95          | 115.52       | End Shut-In(2)       |
| 182         | 2036.38         | 116.29       | Final Hydro-static   |

## Recovery

| Length (ft) | Description           | Volume (bbl) |
|-------------|-----------------------|--------------|
| 60.00       | GOCM 20%G, 20%O, 60%M | 0.30         |
| 15.00       | OCM 10%O, 90%M        | 0.07         |
| 0.00        | 325' GIP              | 0.00         |
|             |                       |              |
|             |                       |              |

## Gas Rates

|  | Choke (Inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
|  |                |                 |                  |



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

American Warrior Inc.

23-19s-22w Ness, KS

PO Box 399  
Garden City, Ks 67646

Delaney #2-23

Job Ticket: 36074

DST#: 1

ATTN: Jason Alm

Test Start: 2012.03.27 @ 19:07:08

**GENERAL INFORMATION:**

Formation: Cherokee "A" Sand

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:59:38

Time Test Ended: 03:15:08

Test Type: Conventional Bottom Hole (Initial)

Tester: Brian Fairbank

Unit No: 41

Interval: 4275.00 ft (KB) To 4305.00 ft (KB) (TVD)

Reference Elevations: 2235.00 ft (KB)

Total Depth: 4305.00 ft (KB) (TVD)

2229.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 6.00 ft

Serial #: 6669 Inside

Press@RunDepth: psig @ 4277.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.27

End Date: 2012.03.28

Last Calib.: 1899.12.30

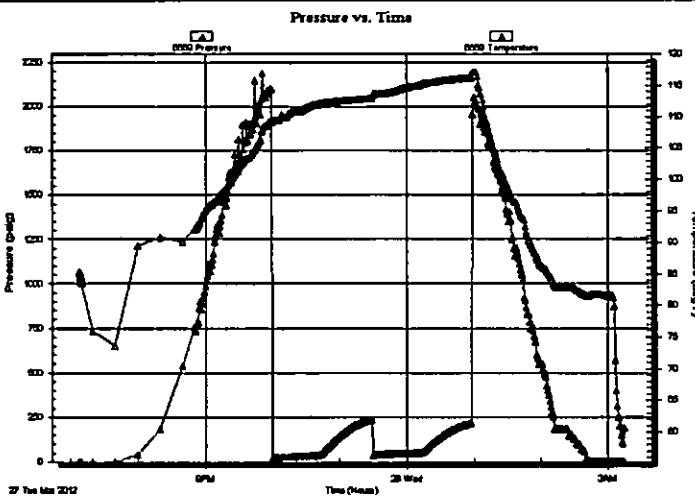
Start Time: 19:07:27

End Time: 03:15:26

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP - BOB 39 min  
ISI - no blow back  
FFP - BOB 35 min  
FSI - no blow back



**PRESSURE SUMMARY**

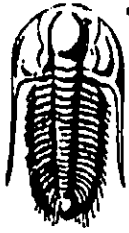
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |    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

**Recovery**

| Length (ft) | Description           | Volume (bbl) |
|-------------|-----------------------|--------------|
| 60.00       | GOCM 20%G, 20%O, 60%M | 0.30         |
| 15.00       | OCM 10%O, 90%M        | 0.07         |
| 0.00        | 325' GIP              | 0.00         |
|             |                       |              |
|             |                       |              |

**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 67646  
ATTN: Jason Alm

**23-19s-22w Ness,KS**  
**Delaney #2-23**  
Job Ticket: 36074      **DST#: 1**  
Test Start: 2012.03.27 @ 19:07:08

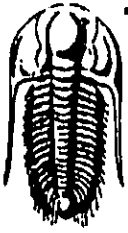
### Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3916.00 ft | Diameter: 3.80 inches | Volume: 54.93 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: 363.00 ft  | Diameter: 2.25 inches | Volume: 1.79 bbl               | Weight to Pull Loose: 90000.00 lb  |
|                           |                    |                       | <u>Total Volume: 56.72 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 31.00 ft           |                       |                                | String Weight: Initial 76000.00 lb |
| Depth to Top Packer:      | 4275.00 ft         |                       |                                | Final 76000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 30.00 ft           |                       |                                |                                    |
| Tool Length:              | 57.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                     |
|------------------|-------------|------------|----------|------------|------------------------------------|
| Shut In Tool     | 5.00        |            |          | 4253.00    |                                    |
| Hydraulic tool   | 5.00        |            |          | 4258.00    |                                    |
| Jars             | 5.00        |            |          | 4263.00    |                                    |
| Safety Joint     | 2.00        |            |          | 4265.00    |                                    |
| Packer           | 5.00        |            |          | 4270.00    | 27.00      Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 4275.00    |                                    |
| Stubb            | 1.00        |            |          | 4276.00    |                                    |
| Perforations     | 1.00        |            |          | 4277.00    |                                    |
| Recorder         | 0.00        | 6669       | Inside   | 4277.00    |                                    |
| Recorder         | 0.00        | 8734       | Outside  | 4277.00    |                                    |
| Perforations     | 25.00       |            |          | 4302.00    |                                    |
| Bullnose         | 3.00        |            |          | 4305.00    | 30.00      Bottom Packers & Anchor |

**Total Tool Length: 57.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

American Warrior Inc.  
PO Box 399  
Garden City, Ks 67646  
ATTN: Jason Alm

23-19s-22w Ness,KS  
Delaney #2-23  
Job Ticket: 36074      DST#: 1  
Test Start: 2012.03.27 @ 19:07:08

**Mud and Cushion Information**

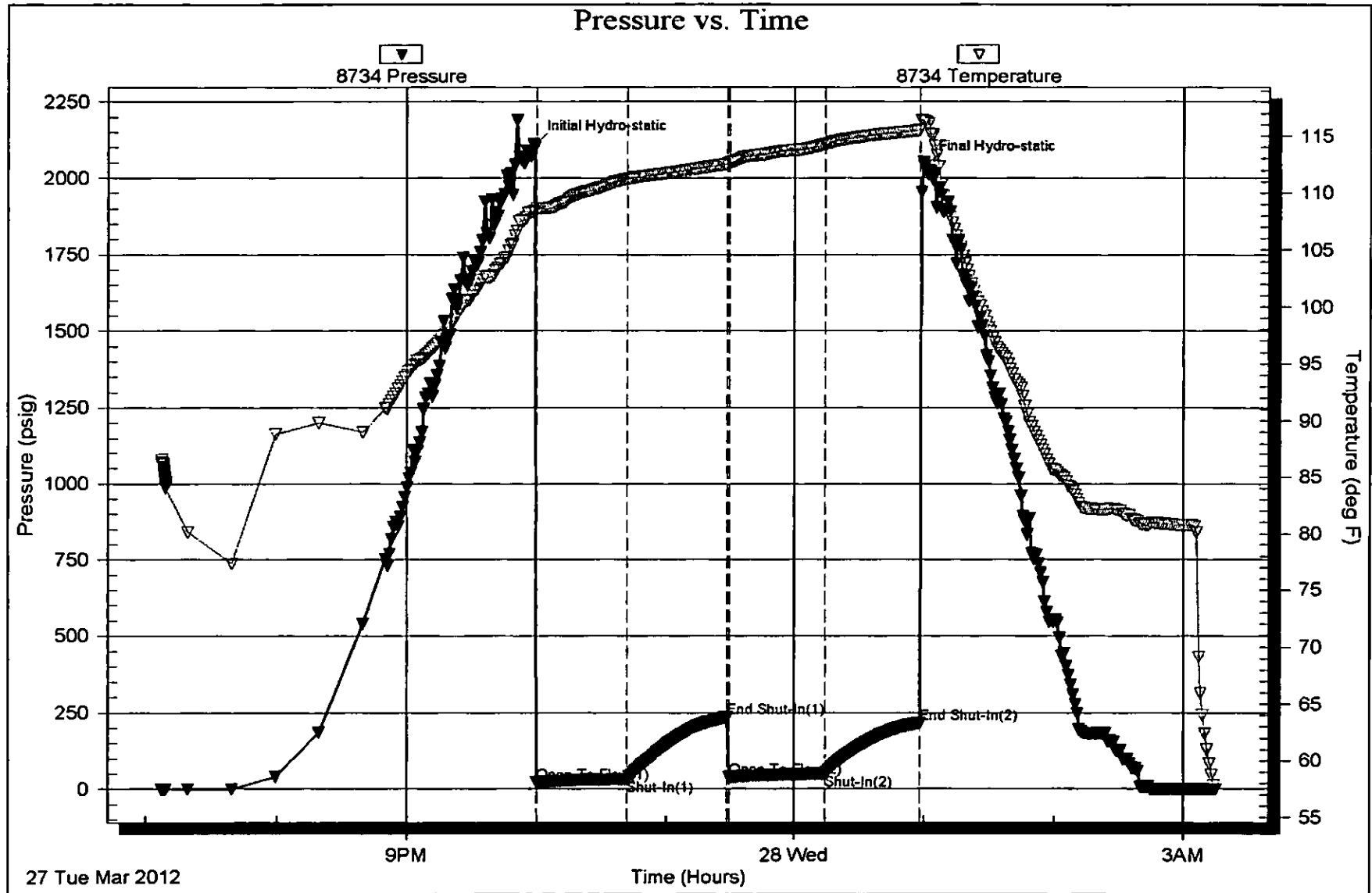
|                                  |                            |                 |         |
|----------------------------------|----------------------------|-----------------|---------|
| Mud Type: Gel Chem               | Cushion Type:              | Oil API:        | deg API |
| Mud Weight: 9.00 lb/gal          | Cushion Length: ft         | Water Salinity: | ppm     |
| Viscosity: 57.00 sec/qt          | Cushion Volume: bbl        |                 |         |
| Water Loss: 7.59 in <sup>3</sup> | Gas Cushion Type:          |                 |         |
| Resistivity: ohm.m               | Gas Cushion Pressure: psig |                 |         |
| Salinity: 5500.00 ppm            |                            |                 |         |
| Filter Cake: inches              |                            |                 |         |

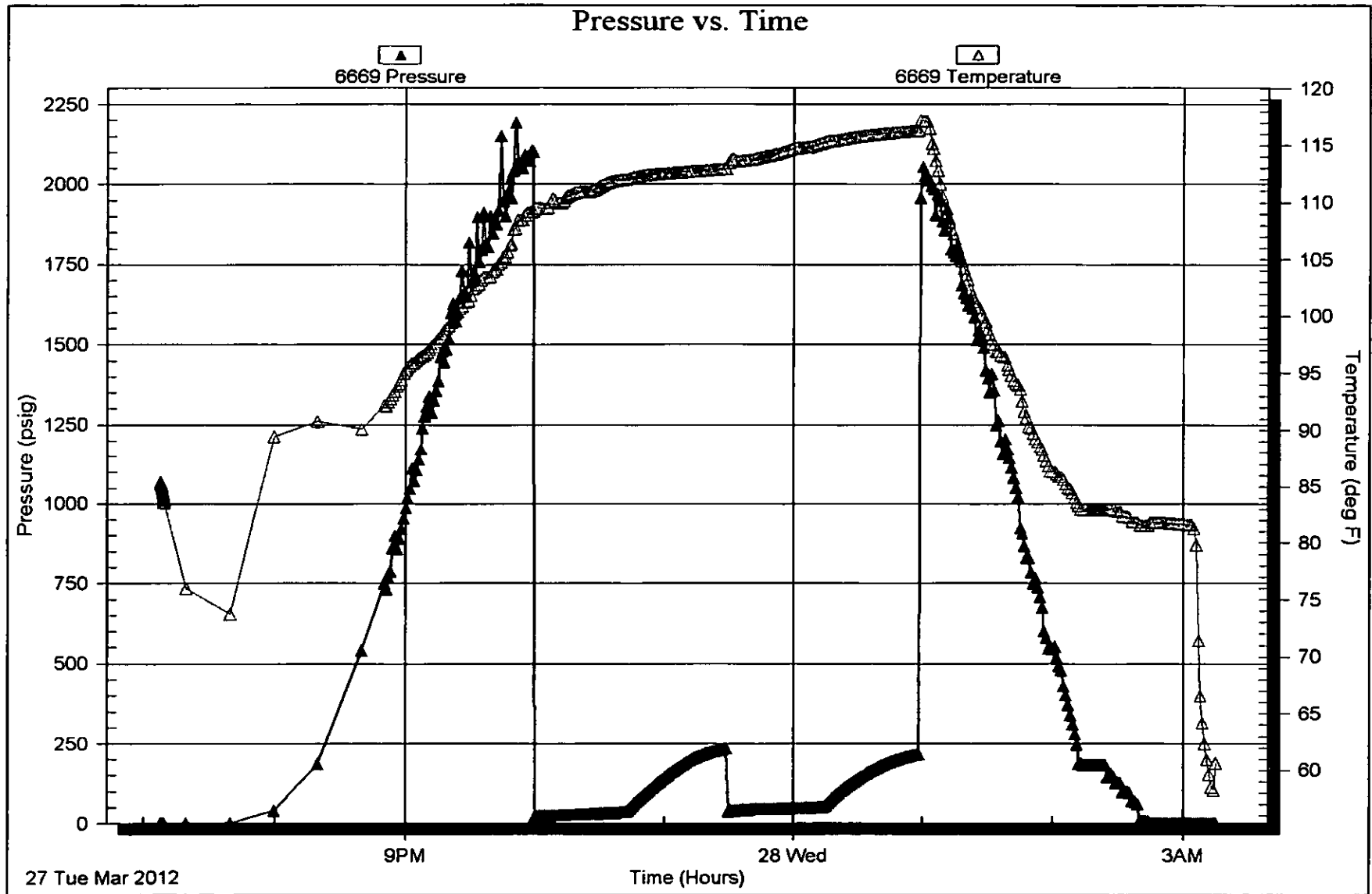
**Recovery Information**

Recovery Table

| Length<br>ft | Description           | Volume<br>bbl |
|--------------|-----------------------|---------------|
| 60.00        | GOCM 20%G, 20%O, 60%M | 0.295         |
| 15.00        | OCM 10%O, 90%M        | 0.074         |
| 0.00         | 325' GIP              | 0.000         |

Total Length: 75.00 ft      Total Volume: 0.369 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:







# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## RECEIVED Test Ticket

MAR 29 2012

NO. 36074

Well Name & No. Delaney 2-23 Test No. 1 Date 3-27-12  
 Company American Warrior Elevation 2235 KB 2229 GL  
 Address 3118 Cummins Rd PO Box 399 Garden City, K 67846  
 Co. Rep / Geo. Jason Alon Rig \_\_\_\_\_  
 Location: Sec. 23 Twp. 19 Rge. 22 Co. Ness State K

Interval Tested 4275-4305 Zone Tested Cherokee "A" Sand  
 Anchor Length 30 Drill Pipe Run 3916 Mud Wt. 9.1  
 Top Packer Depth 4270 Drill Collars Run 363 Vis 57  
 Bottom Packer Depth 4275 Wl. Pipe Run \_\_\_\_\_ WL 7.6  
 Total Depth 4305 Chlorides 5500 ppm System LCM \_\_\_\_\_

Blow Description IFP-BOB 39 mm  
ISI- no blow back  
FFP-BOB 35 mm  
FSI- no blow back

| Rec        | Feet of       | %gas       | %oil       | %water       | %mud       |
|------------|---------------|------------|------------|--------------|------------|
| <u>325</u> | <u>CalP</u>   |            |            |              |            |
| <u>15</u>  | <u>OCM</u>    |            | <u>10%</u> |              | <u>90%</u> |
| <u>60</u>  | <u>GDCM</u>   | <u>20%</u> | <u>20%</u> |              | <u>60%</u> |
| Rec _____  | Feet of _____ | %gas _____ | %oil _____ | %water _____ | %mud _____ |
| Rec _____  | Feet of _____ | %gas _____ | %oil _____ | %water _____ | %mud _____ |

Rec Total 75 BHT 115 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2102  Test 1225' T-On Location 1714  
 (B) First Initial Flow 21  Jars 250' T-Started 1907  
 (C) First Final Flow 32  Safety Joint 75' T-Open 2159  
 (D) Initial Shut-In 235  Circ Sub \_\_\_\_\_ T-Pulled 0059  
 (E) Second Initial Flow 38  Hourly Standby \_\_\_\_\_ T-Out 0315  
 (F) Second Final Flow 50  Mileage 116 RT x 2 324.80 Comments \_\_\_\_\_  
 (G) Final Shut-In 216  Sampler \_\_\_\_\_ mileage to loss tools  
 (H) Final Hydrostatic 2036  Straddle \_\_\_\_\_

Initial Open 45  Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 45  Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Final Flow 45  Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Shut-In 45  Day Standby \_\_\_\_\_ Sub Total 0  
 Sub Total 1874.80 Total 1874.80

Approved By \_\_\_\_\_ Our Representative Brian Farber

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.