



KANSAS CORPORATION COMMISSION 1095410  
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 Corsair  
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 #: \_\_\_\_\_

|                                   |                   |   |
|-----------------------------------|-------------------|---|
| <u>07/23/2012</u>                 | <u>07/31/2012</u> | <u>09/25/2012</u>                       |
| Spud Date or<br>Recompletion Date | Date Reached TD   | Completion Date or<br>Recompletion Date |

API No. 15 - 15-135-25402-00-00

Spot Description: \_\_\_\_\_

SW NW SE SW Sec. 19 Twp. 19 S. R. 21  East  West

710 Feet from  North /  South Line of Section

1400 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Ness

Lease Name: Wittman Well #: 11

Field Name: Schaben

Producing Formation: Mississippian

Elevation: Ground: 2267 Kelly Bushing: 2273

Total Depth: 4391 Plug Back Total Depth: 4389

Amount of Surface Pipe Set and Cemented at: 222 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: 1452 Feet

If Alternate II completion, cement circulated from: 1452

feet depth to: 0 w/ 110 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 25000 ppm Fluid volume: 160 bbls

Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: NAOMI JAMES Date: 10/02/2012



1095410

Operator Name: American Warrior, Inc. Lease Name: Wittman Well #: 11  
 Sec. 19 Twp. 19 S. R. 21  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 checked="" type="checkbox"/> Yes <input 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                | 222           | Common         | 150          | 3% CC, 2% Gel              |
| Production  | 7.875             | 5.5                       | 15.5              | 4390          | 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 | 0-1452           | SMD            | 110          | 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>(Amount and Kind of Material Used) | Depth |
|----------------|---|---|-------|
| 4              | 4378.5-4388.5 & 4369-4379   |   |       |
|                |   |   |       |
|                |   |   |       |
|                |   |   |       |

TUBING RECORD: Size: 2.875 Set At: 4375 Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. 10/01/2012 Producing Method:  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

|                                   |           |         |             |               |         |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|                                   | 50        |         | 200         |               | 40      |

|   |   |  |
|---|---|--|
| 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) (Submit ACO-4)</i><br><input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL:<br><u>4378.5-4388.5</u><br><u>4369-4379</u> |
|---|---|--|

|           |                        |
|-----------|------------------------|
| Form      | ACO1 - Well Completion |
| Operator  | American Warrior, Inc. |
| Well Name | Wittman 11             |
| Doc ID    | 1095410                |

Tops

| Anhydrite        | 1482 | 791   |
|------------------|------|-------|
| Chase            | 2368 | -95   |
| Heebner          | 3730 | -1457 |
| Lansing          | 3776 | -1503 |
| Base Kansas City | 4117 | -1844 |
| Pawnee           | 4193 | -1920 |
| Ft. Scott        | 4272 | -1999 |
| Cherokee         | 4290 | -2017 |
| Mississippian    | 4364 | -2091 |
| TD               | 4391 | -2118 |



Date 7-24-12 District Great Plains Ticket No. 53750  
 Company American Loring Rig Perimeter #1  
 Lease Rein Well No. 520  
 County Ark State KS  
 Location Bozelle KS 65 126 Field NINTD

CEMENT DATA:  
 Spacer Type: Fresh water  
 Amt. 5 bbls Sk Yld \_\_\_\_\_ ft<sup>3</sup>/sk Density 6.34 PPG

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

Amt. \_\_\_\_\_ Sk Yld \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

TAIL: Pump Time 7 1/2 hrs Type Class A 34-1  
2 1/2 gal Excess \_\_\_\_\_

Amt. 150 Sk Yld 1.34 ft<sup>3</sup>/sk Density 15.2 PPG

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

Pump Trucks Used 375 - K/KO  
 Bulk Equip. 344-182-1611

CASING DATA: Conductor  PTA  Squeeze  Misc   
 Surface  Intermediate  Production  Liner   
 Size 4 5/8 Type New Weight 24.8 Collar S&L

Casing Depths: Top KB Bottom 226.14

Drill Pipe: Size 4 1/2 Weight 16.6 Collars x 6.1e  
 Open Hole: Size 12 1/4 T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. 1.0637 Lin. ft./Bbl. 15.70  
 Open Hole: Bbls/Lin. ft. 1.1458 Lin. ft./Bbl. 6.05  
 Drill Pipe: Bbls/Lin. ft. 0.142 Lin. ft./Bbl. 20.32  
 Annulus: Bbls/Lin. ft. 1.0735 Lin. ft./Bbl. 13.62

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

Floater Equip: Manufacturer \_\_\_\_\_

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

Floater Type \_\_\_\_\_ Depth \_\_\_\_\_

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

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

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

Disp. Fluid Type Freshwater Amt. \_\_\_\_\_ Bbls. Weight 8.34 PPG

Mud Type Marine Weight 9.1 PPG

COMPANY REPRESENTATIVE \_\_\_\_\_

CEMENTER Duggins

| TIME | PRESSURES PSI |                   | FLUID PUMPED DATA |             |                        | REMARKS                                    |
|------|---------------|-------------------|-------------------|-------------|------------------------|--|
|      | AM/PM         | DRILL PIPE CASING | ANNULUS           | TOTAL FLUID | Pumped Per Time Period |  |
|      |               |                   |                   |             |                        | On location - Rig up<br>had safety meeting |
|      |               |                   |                   |             |                        | Ran 6 5/8 casing<br>hook up cement pump    |
|      |               |                   |                   |             | 5 bbls                 | Pump 5 bbls freshwater ahead               |
|      |               |                   |                   | 29.25       | 23.25                  | Mix 152 sks Class A 34-1 & 2 1/2 gal       |
|      |               |                   |                   | 41.69       | 13.614                 | Disp 13.614 bbls freshwater<br>& shut in   |
|      |               |                   |                   |             |                        | Cement did circulate                       |
|      |               |                   |                   |             |                        | Plug Down                                  |
|      |               |                   |                   |             |                        | Big Down                                   |



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

TICKET # 22781  
 PAGE 1 OF 2

SERVICE LOCATIONS: 200 City KS  
 WELL/PROJECT NO.: 411 LEASE: Withman COUNTY/PARISH: Ness STATE: KS CITY: Bazine DATE: 31 Jul 12 OWNER:  
 TICKET TYPE:  SERVICE  SALES CONTRACTOR: PETROBRACE RIG NAME/NO.: 1 SHIPPED: NET DELIVERED TO: location ORDER NO.:  
 WELL TYPE: oil WELL CATEGORY: Development JOB PURPOSE: cement long string WELL PERMIT NO.: WELL LOCATION: 19-19-21  
 REFERRAL LOCATION: INVOICE INSTRUCTIONS:

| PRICE REFERENCE | SECONDARY REFERENCE/<br>PART NUMBER | ACCOUNTING |      |    | DESCRIPTION                    | QTY.  |  | UM |    | UNIT PRICE | AMOUNT  |
|-----------------|-------------------------------------|------------|------|----|--------------------------------|-------|--|----|----|------------|---------|
|                 |                                     | LOC        | ACCT | DF |                                |       |  |    |    |            |         |
| 575             |                                     | 1          |      |    | MILEAGE TRK 114                | 20    |  |    |    | 6.00       | 120.00  |
| 578             |                                     | 1          |      |    | Pump Charge                    | 1     |  |    |    | 1500.00    | 1500.00 |
| 402             |                                     | 1          |      |    | Centralizer                    | 5 1/2 |  | 5  | ea | 70.00      | 350.00  |
| 403             |                                     | 1          |      |    | Cement Basket                  | 5 1/2 |  | 2  | ea | 250.00     | 500.00  |
| 404             |                                     | 1          |      |    | Port Collar                    | 5 1/2 |  | 1  | ea | 2400.00    | 2400.00 |
| 406             |                                     | 1          |      |    | Latch drum plug & holder       | 5 1/2 |  | 1  | ea | 250.00     | 250.00  |
| 407             |                                     | 1          |      |    | Insert float shoe w/ auto fill | 5 1/2 |  | 1  | ea | 350.00     | 350.00  |
| 419             |                                     |            |      |    | Rotating head rental           | 5 1/2 |  | 1  | ea | 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: 2:30

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

OPERATOR: AMH APPROVAL:

Thank You!

**JOB LOG**

**SWIFT Services, Inc.**

DATE 31 Jul 12 PAGE 10

CUSTOMER American Warrior

WELL NO. 11

LEASE W. Hman

JOB TYPE  cement long string

TICKET NO. 22791

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS |   | PRESSURE (PSI) |        | DESCRIPTION OF OPERATION AND MATERIALS   |
|-----------|------|------------|--------------------|-------|---|----------------|--------|--|
|           |      |            |                    | T     | C | TUBING         | CASING |  |
|           |      |            |                    |       |   |                |        | 1755k EA-2 w/ 1/4" flocc. 106 joints<br>LTD 4389' RTD 4391' 15.5" 5 1/2" casing<br>2hoest 37.04' Port collar - "72 1452'<br>Cant 1, 2, 3, 4, 71 Basket 5, 72<br>jts out 116, 107, 105, 109 |
|           | 1715 |            |                    |       |   |                |        | on loc TRK 114   |
|           | 1735 |            |                    |       |   |                |        | start 5 1/2" 15.5" casing in well  |
|           | 1935 |            |                    |       |   |                |        | Drop ball - circulate - ROTATE   |
|           | 2005 | 4 3/4      | 12                 |       |   |                | 200    | Pump 500gal mud flush  |
|           |      | 4 3/4      | 20                 |       |   |                | 200    | Pump 20 bbl KCh flush  |
|           | 2010 |            | 7                  |       |   |                |        | Plug RH - <del>1455k</del> <del>303k</del>   |
|           | 2015 | 4 3/4      | 35                 |       |   |                | 200    | mix EA-2 cement 1455k @ 15.3ppg  |
|           |      |            |                    |       |   |                |        | Drop latch down plug   |
|           |      |            |                    |       |   |                |        | wash out pump & line   |
|           | 2025 | 6 3/4      |                    |       |   |                | 300    | Displace plug  |
|           |      | 6 3/4      | 96                 |       |   |                | 850    |  |
|           | 2045 | 6 3/4      | 105                |       |   |                | 1600   | Land plug  |
|           |      |            |                    |       |   |                |        | Release pressure to truck - dried up   |
|           | 2055 |            |                    |       |   |                |        | wash truck   |
|           |      |            |                    |       |   |                |        | Pack up  |
|           | 2130 |            |                    |       |   |                |        | job complete   |
|           |      |            |                    |       |   |                |        | Thanks<br>Jeremy Dunc & Blaine   |



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

TICKET CONTINUATION

TICKET No. 22791  
DATE 31 Jul 12  
PAGE 21 OF 22

CUSTOMER American Water  
WELL W: Home II

|     |   |  |                 |              |              |           |         |
|-----|---|--|-----------------|--------------|--------------|-----------|---------|
| 325 | 1 |  | STANDARD cement | 175 sk       |              | 18.50     | 2362.50 |
| 284 | 1 |  | Calseal         | 800 lb       | 8 sk         | 35.00     | 280.00  |
| 283 | 1 |  | salt            | 900 lb       |              | 0.20      | 180.00  |
| 276 | 1 |  | Flocel          | 50 lb        |              | 2.00      | 100.00  |
| 281 | 1 |  | mid flush       | 500 gal      |              | 1.25      | 625.00  |
| 221 | 1 |  | KCL liquid      | 2 gal        |              | 25.00     | 50.00   |
| 290 | 1 |  | D-AIR           | 2 gal        |              | 35.00     | 70.00   |
| 292 | 1 |  | hald-322        | 125 lb       |              | 7.75      | 968.75  |
| 582 | 1 |  | Drainage (m.c.) | 1 cu         |              | 2.50 ps   | 2.50 ps |
| 581 | 1 |  | SERVICE CHARGE  | 175          |              | 2.00      | 350.00  |
|     |   |  |                 | TOTAL WEIGHT | LOADED MILES | TON MILES |         |

1/21





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

TICKET No **23201**

PAGE 1 OF 1

SERVICE LOCATIONS: Ness City KS WELL/PROJECT NO. 11 LEASE W. Huan COUNTY/PARISH Leas STATE KS CITY Bazine DATE 7 AVE 12 OWNER \_\_\_\_\_  
 2. TICKET TYPE  SERVICE  SALES CONTRACTOR \_\_\_\_\_ RIG NAME/NO. \_\_\_\_\_ SHIPPED YCT DELIVERED TO Location ORDER NO. \_\_\_\_\_  
 3. WELL TYPE oil WELL CATEGORY Development JOB PURPOSE cement post collar WELL PERMIT NO. \_\_\_\_\_ WELL LOCATION 19-19-21  
 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             |                                     | 1          |      |    | MILEAGE TRK 114 | 10   | mi  | 6.00       |    | 60.00   |
| 576D            |                                     | 1          |      |    | Pump Charge     | 1    | job | 1250.00    |    | 1250.00 |
| 330             |                                     | 1          |      |    | 5m cement       | 110  | bag | 16.50      |    | 1815.00 |
| 276             |                                     | 1          |      |    | flocles         | 25   | lb  | 2.00       |    | 50.00   |
| 290             |                                     | 1          |      |    | D-AIR           | 1    | gal | 35.00      |    | 35.00   |
| 581             |                                     | 1          |      |    | service charge  | 175  | ok  | 2.00       |    | 350.00  |
| 582             |                                     | 1          |      |    | Drayage (min)   | 1    | ok  | 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

x Scott  
 DATE SIGNED \_\_\_\_\_ TIME SIGNED \_\_\_\_\_  A.M.  P.M.  
 15<sup>th</sup>

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 | 3810.00 |
| 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?                                      | <input type="checkbox"/> YES <input type="checkbox"/> NO |            |           |            |         |
| <input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND                |  |            |           | TOTAL      | 3929.70 |

7.55 TAX 119.70  
 6.3%

SWIFT OPERATOR Alan Bell APPROVAL \_\_\_\_\_

Thank You!

**JOB LOG**

**SWIFT Services, Inc.**

DATE AVE 12 PAGE NO.

CUSTOMER Maximum Corridor WELL NO. 11 LEASE W. Ham JOB TYPE Cement port collar TICKET NO. 23201

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS |   | PRESSURE (PSI) |        | DESCRIPTION OF OPERATION AND MATERIALS              |
|-----------|------|------------|--------------------|-------|---|----------------|--------|---|
|           |      |            |                    | T     | C | TUBING         | CASING |   |
|           |      |            |                    |       |   |                |        | 175 sks SMD w/ $\frac{1}{2}$ # floccle              |
|           |      |            |                    |       |   |                |        | 2 $\frac{3}{8}$ " $\frac{1}{2}$ " port collar 1452' |
|           | 1330 |            |                    |       |   |                |        | on loc TRK 114                                      |
|           | 1430 |            |                    |       |   | 1000           | 1000   | test to 1000 psi - held<br>open port collar         |
|           | 1440 | 3          | 2                  |       |   | 350            |        | inj rate 3 bpm @ 350 psi                            |
|           | 1445 | 4          |                    |       |   | 400            |        | mix SMD cement @ 11.2 ppg<br>fluid to surface       |
|           |      | 4          | 3 1/2              |       |   | 400            |        |   |
|           | 1500 | 4          | 57                 |       |   | 450            |        | - cement to surface                                 |
|           |      |            |                    |       |   |                |        | } 110 sks mixed<br>15 to pit }                      |
|           | 1502 | 4          | 5                  |       |   | 450            |        |   |
|           |      |            |                    |       |   |                |        | close port collar                                   |
|           | 1507 |            |                    |       |   | 1000           | 1000   | test to 1000 psi - held<br>Run 4 joints             |
|           |      |            | 20                 |       |   |                |        | Reverse hole clean                                  |
|           | 1530 |            |                    |       |   |                |        | wash truck  |
|           |      |            |                    |       |   |                |        | Back up   |
|           | 1550 |            |                    |       |   |                |        | job complete  |
|           |      |            |                    |       |   |                |        | Thanks<br>TJ, Dave & Blake                          |

# **Geological Report**

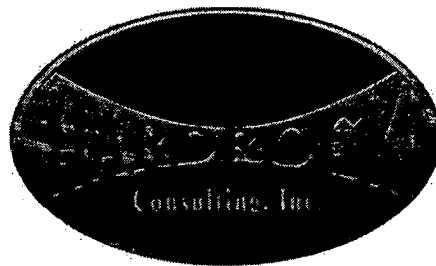
American Warrior, Inc.

**Wittman #11**

850' FSL & 1380' FWL

Sec. 19 T19s R21w

Ness County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Wittman #11  
850' FSL & 1380' FWL  
Sec. 19 T19s R21w  
Ness County, Kansas  
API # 15-135-25402-0000

Drilling Contractor: Petromark Drilling, LLC Rig #1

Geologist: Jason T Alm

Spud Date: July 23, 2012

Completion Date: July 31, 2012

Elevation: 2267' Ground Level  
2273' Kelly Bushing

Directions: Bazine KS, from West side of town at the  
intersection of Hwy 96 and Austin St. South 5 mi.  
to 80 Rd. East 1/4 mi. North into location.

Casing: 223' 8 5/8" surface casing  
4388' 5 1/2" production casing

Samples: 10' wet and dry, 4000' to RTD

Drilling Time: 3600' to RTD

Electric Logs: Pioneer Energy Services "Dan Schmidt"  
CNL/CDL, DIL

Drillstem Tests: Two, Trilobite Testing, Inc. "Sam Esparza"

Problems: None

Remarks: None

## Formation Tops

| Formation     | American Warrior, Inc.<br>Wittman #11<br>Sec. 19 T19s R21w<br>850' FSL & 1380' FWL |
|---------------|--|
| Anhydrite     | 1482', +791  |
| Base          | 1515', +758  |
| Chase         | 2368', -95   |
| Heebner       | 3730', -1457   |
| Lansing       | 3776', -1503   |
| BKc           | 4117', -1844   |
| Pawnee        | 4193', -1920   |
| Fort Scott    | 4272', -1999   |
| Cherokee      | 4290', -2017   |
| Mississippian | 4364', -2091   |
| Osage         | 4376', -2103   |
| RTD           | 4391', -2118   |
| LTD           | 4389', -2116   |

## Sample Zone Descriptions

**Mississippian Osage (4376', -2103):** Covered in DST #1,2  
 Dolo - Δ - Fine sucrosic crystalline with poor to fair inter-crystalline and vuggy porosity, triptolitic chert, fairly weathered with fair vuggy porosity, light to good oil stain in porosity, fair show of free oil, good odor, bright yellow fluorescents, 30 units hotwire.

**Drill Stem Tests**  
Trilobite Testing, Inc.  
"Sam Esparza"

**DST #1**      **Mississippian Osage**  
Interval (4376' - 4386') Anchor Length 10'  
IHP    - 2183 #  
IFP    - 30" - Built to 1/4 in.      15-36 #  
ISI    - 30" - Dead      1161 #  
FFP    - 15" - Built to 1/4 in.      39-48 #  
FHP    - 2145 #  
BHT    - 117°F

Recovery:    15' GCO  
                  55' OCM      5% Oil

**DST #2**      **Mississippian Osage**  
Interval (4381' - 4391') Anchor Length 10'  
IHP    - 2219 #  
IFP    - 45" - Built to 6 in.      19-80 #  
ISI    - 45" - W.S.B.      1205 #  
FFP    - 45" - Built to 8 in.      83-111 #  
FSI    - 45" - W.S.B.      1204 #  
FHP    - 2203 #  
BHT    - 124°F

Recovery:    40' GCO  
                  50' OCM      5% Oil  
                  120' OCMW 5% Oil, 85% Water

**Structural Comparison**

|                  | American Warrior, Inc.<br>Wittman #11<br>Sec. 19 T19s R21w<br>850' FSL & 1380' FWL | American Warrior, Inc.<br>Wittman #4<br>Sec. 19 T19s R21w<br>425' FSL & 1270' FWL |           | Champlin Petroleum<br>Wittman #2<br>Sec. 19 T19s R21w<br>115' E/C SW SW |       |
|------------------|--|---|-----------|---|-------|
| <b>Formation</b> |  |   |           |   |       |
| Anhydrite        | 1482', +791  | 1482', +791   | <b>FL</b> | NA  | NA    |
| Base             | 1515', +758  | NA  | NA        | NA  | NA    |
| Chase            | 2368', -95   | NA  | NA        | NA  | NA    |
| Heebner          | 3730', -1457   | 3732', -1459  | (+2)      | 3728', -1470  | (+13) |
| Lansing          | 3776', -1503   | 3779', -1506  | (+3)      | 3777', -1519  | (+16) |
| BKc              | 4117', -1844   | NA  | NA        | NA  | NA    |
| Pawnee           | 4193', -1920   | 4199', -1926  | (+6)      | 4192', -1934  | (+14) |
| Fort Scott       | 4272', -1999   | 4278', -2005  | (+6)      | NA  | NA    |
| Cherokee         | 4290', -2017   | 4294', -2021  | (+4)      | NA  | NA    |
| Mississippian    | 4364', -2091   | 4361', -2088  | (-3)      | 4368', -2110  | (+19) |
| Osage            | 4376', -2103   | NA  | NA        | 4374', -2116  | (+13) |

## **Summary**

The location for the Wittman #11 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two drill stem tests were conducted one of which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 5 1/2 inch production casing to further evaluate the Wittman #11 well.

## **Recommended Perforations**

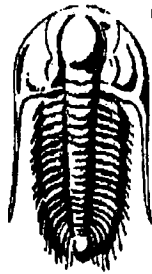
**Mississippian Osage:           (4376' – 4382')                   DST #1,2**

Respectfully Submitted,

Jason T Alm  
Hard Rock Consulting, Inc.







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399  
Garden City, KS 67846

ATTN: Jason T Alm

**Wittman #11**

**19-19s-21w Ness,KS**

Start Date: 2012.07.30 @ 09:58:05

End Date: 2012.07.30 @ 16:05:14

Job Ticket #: 47070                      DST #: 1

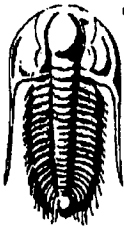
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.31 @ 14:27:56

American Warrior Inc. 19-19s-21w Ness,KS Wittman #11 DST # 1 Miss 2012.07.30



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

American Warrior Inc.  
PO Box 399  
Garden City, KS 67846  
ATTN: Jason T Alm

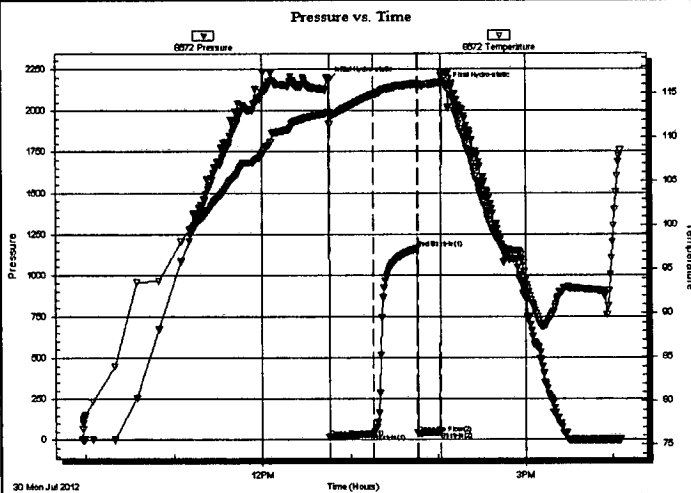
**19-19s-21w Ness,KS**  
**Wittman #11**  
Job Ticket: 47070      **DST#: 1**  
Test Start: 2012.07.30 @ 09:58:05

### GENERAL INFORMATION:

Formation: **Miss**  
Deviated: **No** Whipstock:                      ft (KB)  
Time Tool Opened: 12:45:45  
Time Test Ended: 16:05:14  
Interval: **4376.00 ft (KB) To 4386.00 ft (KB) (TVD)**  
Total Depth: **4386.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Good**  
Test Type: **Conventional Bottom Hole (Initial)**  
Tester: **Sam Esparza**  
Unit No: **58**  
Reference Elevations: **2273.00 ft (KB)**  
**2267.00 ft (CF)**  
KB to GR/CF: **6.00 ft**

**Serial #: 8672**      **Outside**  
Press@RunDepth: **36.18 psig @ 4377.00 ft (KB)**      Capacity: **8000.00 psig**  
Start Date: **2012.07.30**      End Date: **2012.07.30**      Last Calib.: **2012.07.30**  
Start Time: **09:58:05**      End Time: **16:05:14**      Time On Btm: **2012.07.30 @ 12:45:30**  
Time Off Btm: **2012.07.30 @ 14:06:30**

TEST COMMENT: IF: 1/4" Blow.  
IS: No Return.  
FF: 1/4" Blow.  
FS: Pull out.



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2183.39         | 112.86       | Initial Hydro-static |
| 1           | 15.83           | 111.51       | Open To Flow (1)     |
| 31          | 36.18           | 114.87       | Shut-In(1)           |
| 61          | 1160.56         | 116.02       | End Shut-In(1)       |
| 61          | 39.41           | 115.62       | Open To Flow (2)     |
| 77          | 47.86           | 116.21       | Shut-In(2)           |
| 81          | 2145.85         | 117.44       | Final Hydro-static   |

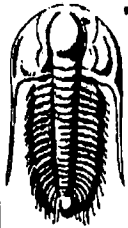
### Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 15.00       | Oil 100o    | 0.07         |
| 55.00       | OCM 5o 95m  | 0.27         |
|             |             |              |
|             |             |              |
|             |             |              |

### 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: Jason T Alm

**19-19s-21w Ness,KS**  
**Wittman #11**  
Job Ticket: 47070      **DST#: 1**  
Test Start: 2012.07.30 @ 09:58:05

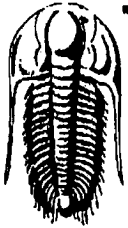
**Tool Information**

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 4258.00 ft | Diameter: 3.80 inches | Volume: 59.73 bbl              | Tool Weight: 2000.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 20000.00 lb  |
| Drill Collar:             | Length: 120.00 ft  | Diameter: 2.25 inches | Volume: 0.59 bbl               | Weight to Pull Loose: 70000.00 lb  |
|                           |                    |                       | <u>Total Volume: 60.32 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 30.00 ft           |                       |                                | String Weight: Initial 58000.00 lb |
| Depth to Top Packer:      | 4376.00 ft         |                       |                                | Final 58000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 10.00 ft           |                       |                                |                                    |
| Tool Length:              | 38.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                     |
|------------------|-------------|------------|----------|------------|------------------------------------|
| Change Over Sub  | 1.00        |            |          | 4349.00    |                                    |
| Shut In Tool     | 5.00        |            |          | 4354.00    |                                    |
| Hydraulic tool   | 5.00        |            |          | 4359.00    |                                    |
| Jars             | 5.00        |            |          | 4364.00    |                                    |
| Safety Joint     | 3.00        |            | Fluid    | 4367.00    |                                    |
| Packer           | 5.00        |            |          | 4372.00    | 28.00      Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 4376.00    |                                    |
| Stubb            | 1.00        |            |          | 4377.00    |                                    |
| Recorder         | 0.00        | 8355       | Inside   | 4377.00    |                                    |
| Recorder         | 0.00        | 8672       | Outside  | 4377.00    |                                    |
| Perforations     | 6.00        |            |          | 4383.00    |                                    |
| Bullnose         | 3.00        |            |          | 4386.00    | 10.00      Bottom Packers & Anchor |

**Total Tool Length: 38.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

American Warrior Inc.

**19-19s-21w Ness,KS**

PO Box 399  
Garden City, KS 67846

**Wittman #11**

Job Ticket: 47070

**DST#: 1**

ATTN: Jason T Alm

Test Start: 2012.07.30 @ 09:58:05

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 59.00 sec/qt  
Water Loss: 8.77 in<sup>3</sup>  
Resistivity: 0.00 ohm.m  
Salinity: 5700.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: ppm

**Recovery Information**

Recovery Table

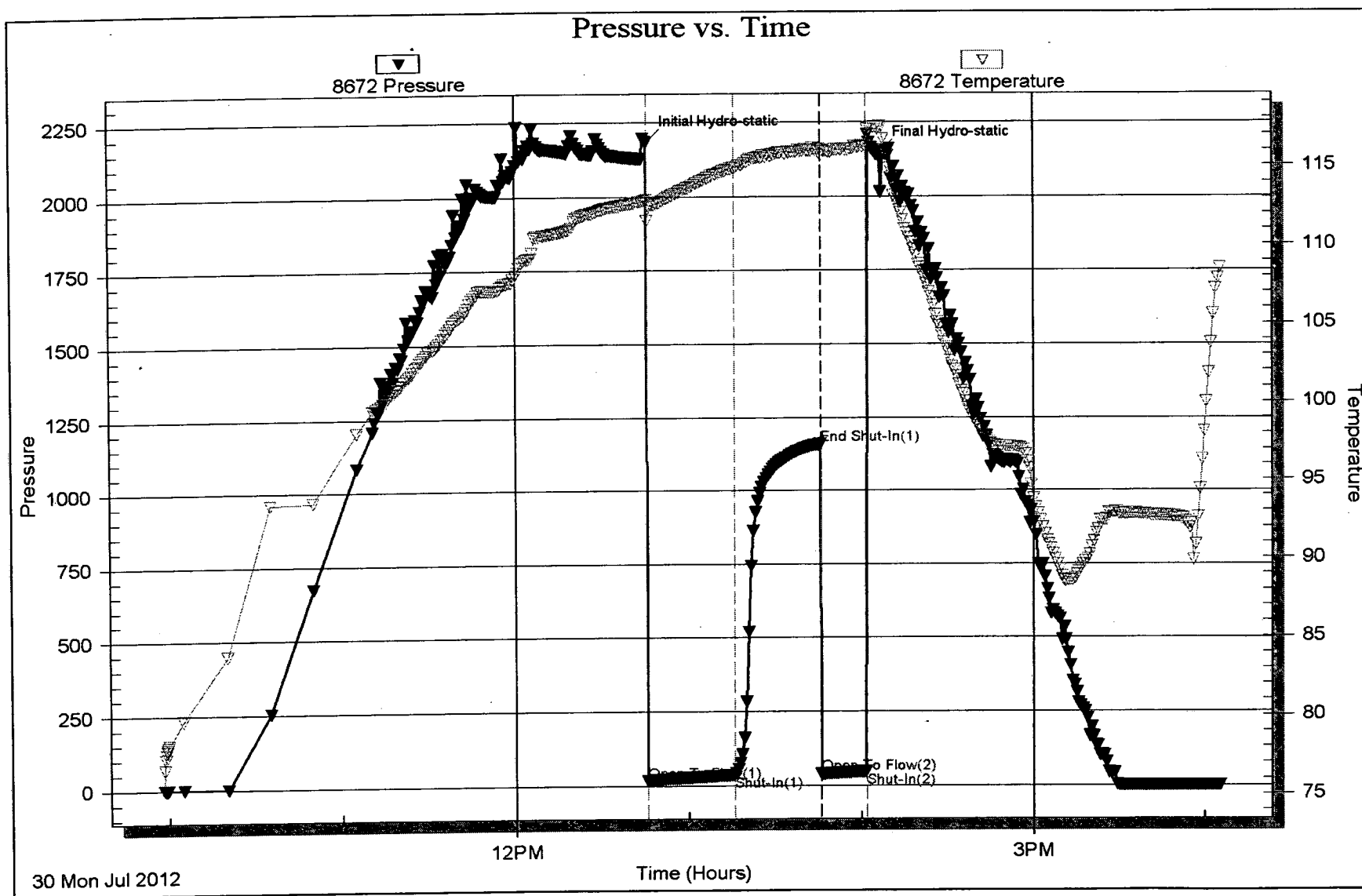
| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 15.00        | Oil 100o    | 0.074         |
| 55.00        | OCM 5o 95m  | 0.270         |

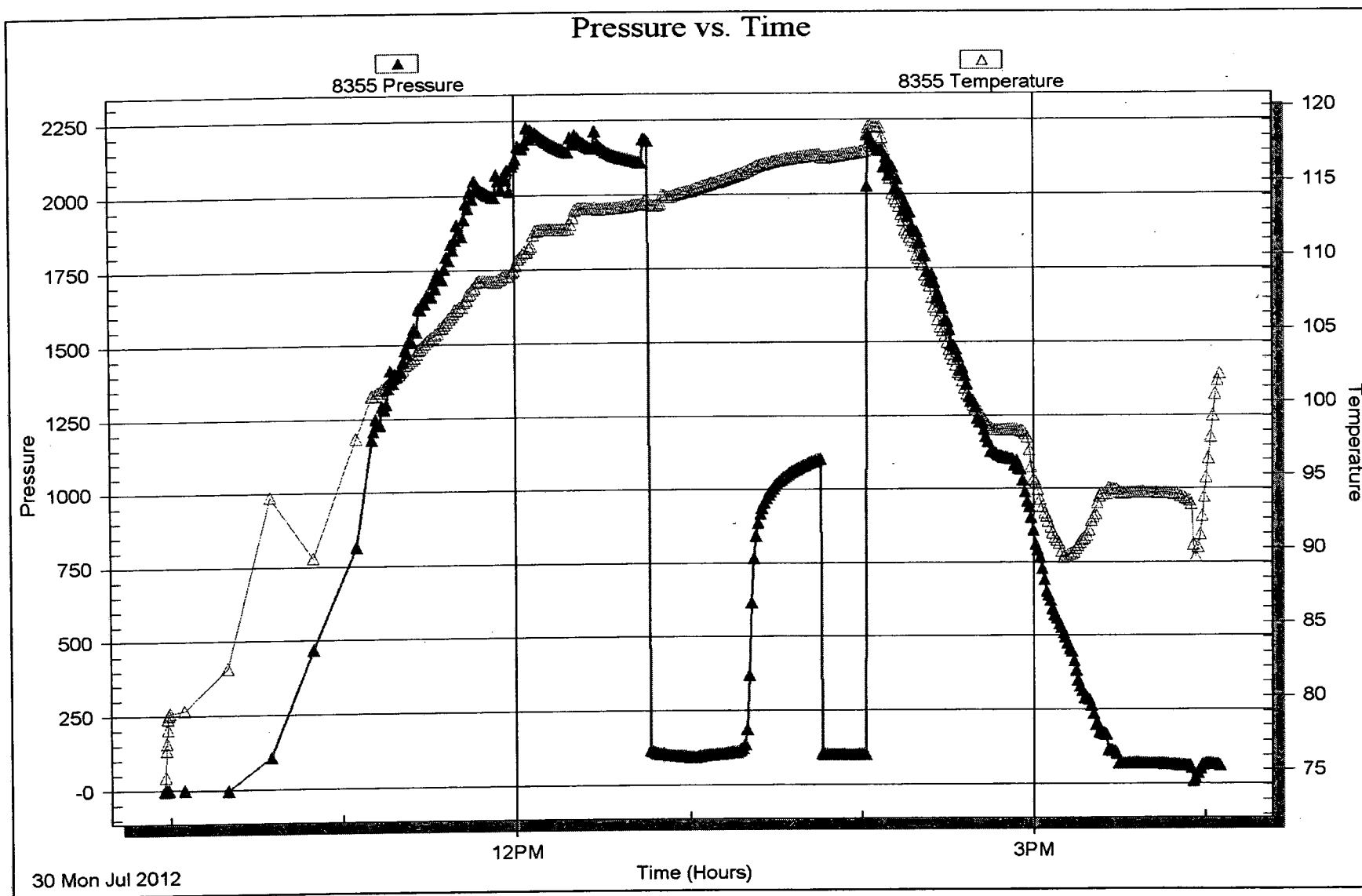
Total Length: 70.00 ft      Total Volume: 0.344 bbl

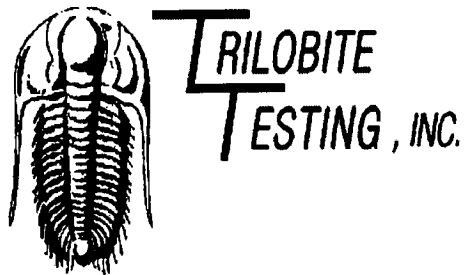
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: Oil API 41 @ 100 Degrees= 37 API







## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399  
Garden City, KS 67846

ATTN: Jason T Alm

### **Wittman #11**

#### **19-19s-21w Ness,KS**

Start Date: 2012.07.30 @ 22:25:00

End Date: 2012.07.31 @ 06:14:00

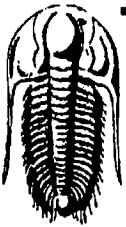
Job Ticket #: 47071                      DST #: 2

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

Printed: 2012.07.31 @ 14:27:05

American Warrior Inc. 19-19s-21w Ness,KS Wittman #11 DST # 2 Miss 2012.07.30





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

American Warrior Inc.  
PO Box 399  
Garden City, KS 67846  
ATTN: Jason T Alm

**19-19s-21w Ness,KS**

**Wittman #11**

Job Ticket: 47071

**DST#: 2**

Test Start: 2012.07.30 @ 22:25:00

### GENERAL INFORMATION:

Formation: **Miss**

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

Time Tool Opened: 00:50:00

Time Test Ended: 06:14:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 58

Interval: **4381.00 ft (KB) To 4391.00 ft (KB) (TVD)**

Total Depth: 4391.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2273.00 ft (KB)

2267.00 ft (CF)

KB to GR/CF: 6.00 ft

**Serial #: 8672** **Outside**

Press@RunDepth: 111.20 psig @ 4382.00 ft (KB)

Start Date: 2012.07.30

End Date:

2012.07.31

Start Time: 22:25:05

End Time:

06:13:59

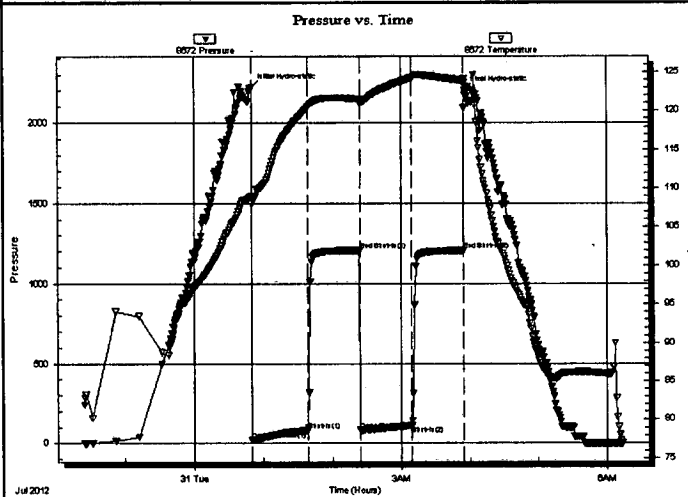
Capacity: 8000.00 psig

Last Calib.: 2012.07.31

Time On Btm: 2012.07.31 @ 00:49:45

Time Off Btm: 2012.07.31 @ 03:55:15

**TEST COMMENT:** IF: 6" Blow.  
IS: Weak surface return.  
FF: 8" Blow.  
FS: Weak surface return.



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2219.16         | 108.95       | Initial Hydro-static |
| 1           | 19.07           | 107.96       | Open To Flow (1)     |
| 49          | 79.51           | 120.39       | Shut-In(1)           |
| 95          | 1204.80         | 121.48       | End Shut-In(1)       |
| 95          | 82.56           | 120.92       | Open To Flow (2)     |
| 140         | 111.20          | 124.25       | Shut-In(2)           |
| 185         | 1204.23         | 123.87       | End Shut-In(2)       |
| 186         | 2203.47         | 123.60       | Final Hydro-static   |

### Recovery

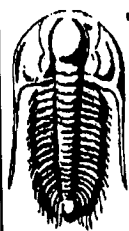
| Length (ft) | Description     | Volume (bbl) |
|-------------|-----------------|--------------|
| 120.00      | OMCW 5o 10m 85w | 0.59         |
| 50.00       | OCM 5o 95m      | 0.70         |
| 40.00       | GO 5g 95o       | 0.56         |
|             |                 |              |
|             |                 |              |

\* 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.

19-19s-21w Ness,KS

PO Box 399  
Garden City, KS 67846

Wittman #11

Job Ticket: 47071

DST#: 2

ATTN: Jason T Alm

Test Start: 2012.07.30 @ 22:25:00

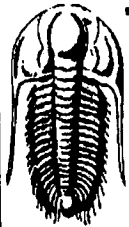
### Tool Information

|                           |                    |                         |                   |                        |             |
|---------------------------|--------------------|-------------------------|-------------------|------------------------|-------------|
| Drill Pipe:               | Length: 4258.00 ft | Diameter: 3.80 inches   | Volume: 59.73 bbl | Tool Weight:           | 2000.00 lb  |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches   | Volume: 0.00 bbl  | Weight set on Packer:  | 20000.00 lb |
| Drill Collar:             | Length: 120.00 ft  | Diameter: 2.25 inches   | Volume: 0.59 bbl  | Weight to Pull Loose:  | 70000.00 lb |
|                           |                    | Total Volume: 60.32 bbl |                   | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 25.00 ft           |                         |                   | String Weight: Initial | 57000.00 lb |
| Depth to Top Packer:      | 4381.00 ft         |                         |                   | Final                  | 58000.00 lb |
| Depth to Bottom Packer:   | ft                 |                         |                   |                        |             |
| Interval between Packers: | 10.00 ft           |                         |                   |                        |             |
| Tool Length:              | 38.00 ft           |                         |                   |                        |             |
| Number of Packers:        | 2                  | Diameter:               | 6.75 inches       |                        |             |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 4354.00    |                               |
| Shut In Tool     | 5.00        |            |          | 4359.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4364.00    |                               |
| Jars             | 5.00        |            |          | 4369.00    |                               |
| Safety Joint     | 3.00        |            | Fluid    | 4372.00    |                               |
| Packer           | 5.00        |            |          | 4377.00    | 28.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 4381.00    |                               |
| Stubb            | 1.00        |            |          | 4382.00    |                               |
| Recorder         | 0.00        | 8355       | Inside   | 4382.00    |                               |
| Recorder         | 0.00        | 8672       | Outside  | 4382.00    |                               |
| Perforations     | 6.00        |            |          | 4388.00    |                               |
| Bullnose         | 3.00        |            |          | 4391.00    | 10.00 Bottom Packers & Anchor |

**Total Tool Length: 38.00**



**TRILOBITE**  
**TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

American Warrior Inc.  
PO Box 399  
Garden City, KS 67846  
ATTN: Jason T Alm

**19-19s-21w Ness,KS**  
**Wittman #11**  
Job Ticket: 47071      **DST#: 2**  
Test Start: 2012.07.30 @ 22:25:00

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 59.00 sec/qt  
Water Loss: 8.76 in<sup>3</sup>  
Resistivity: 0.00 ohm.m  
Salinity: 5700.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 38 deg API  
Water Salinity: ppm

**Recovery Information**

Recovery Table

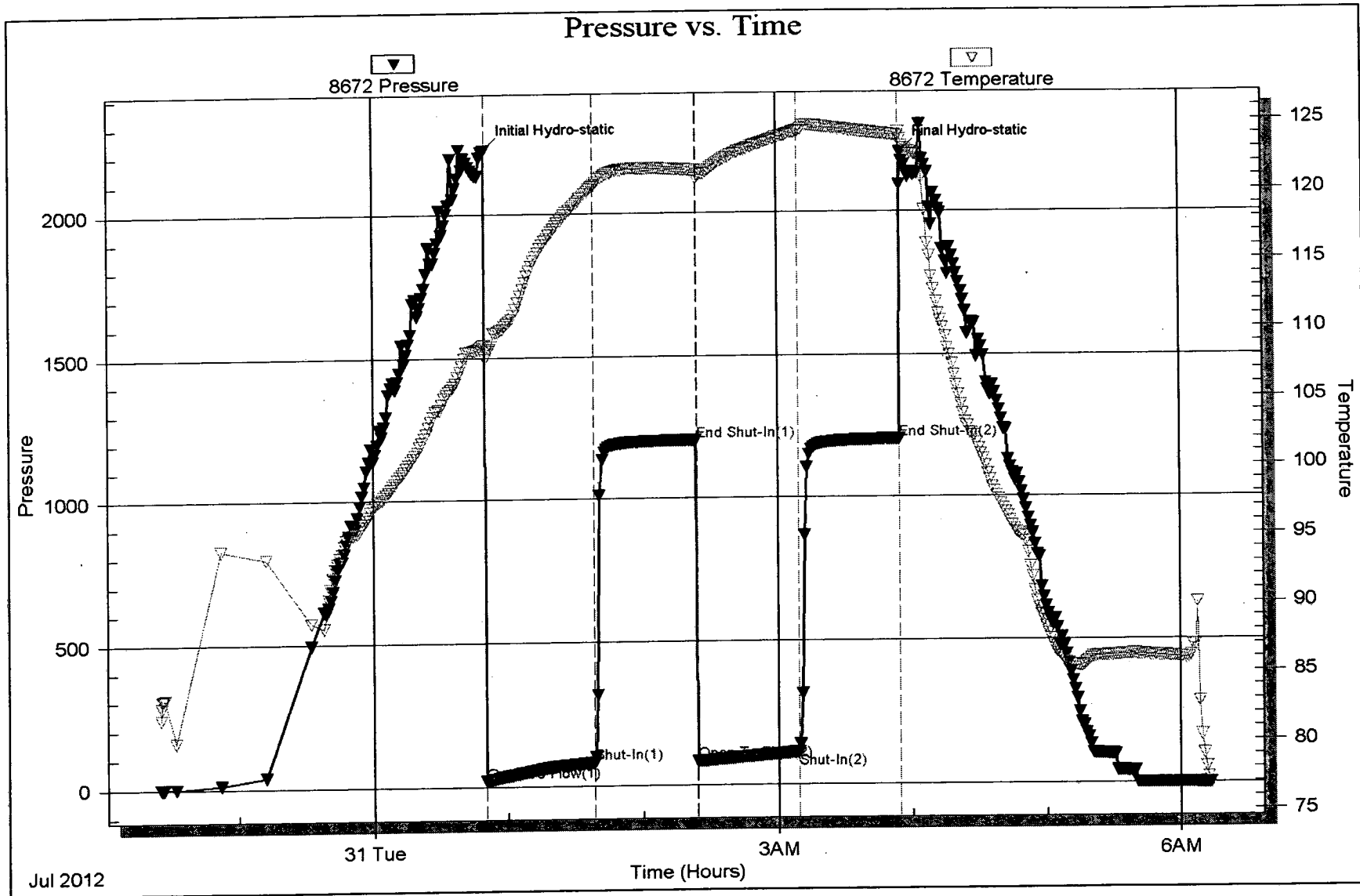
| Length<br>ft | Description     | Volume<br>bbl |
|--------------|-----------------|---------------|
| 120.00       | OMCW 5o 10m 85w | 0.590         |
| 50.00        | OCM 5o 95m      | 0.701         |
| 40.00        | GO 5g 95o       | 0.561         |

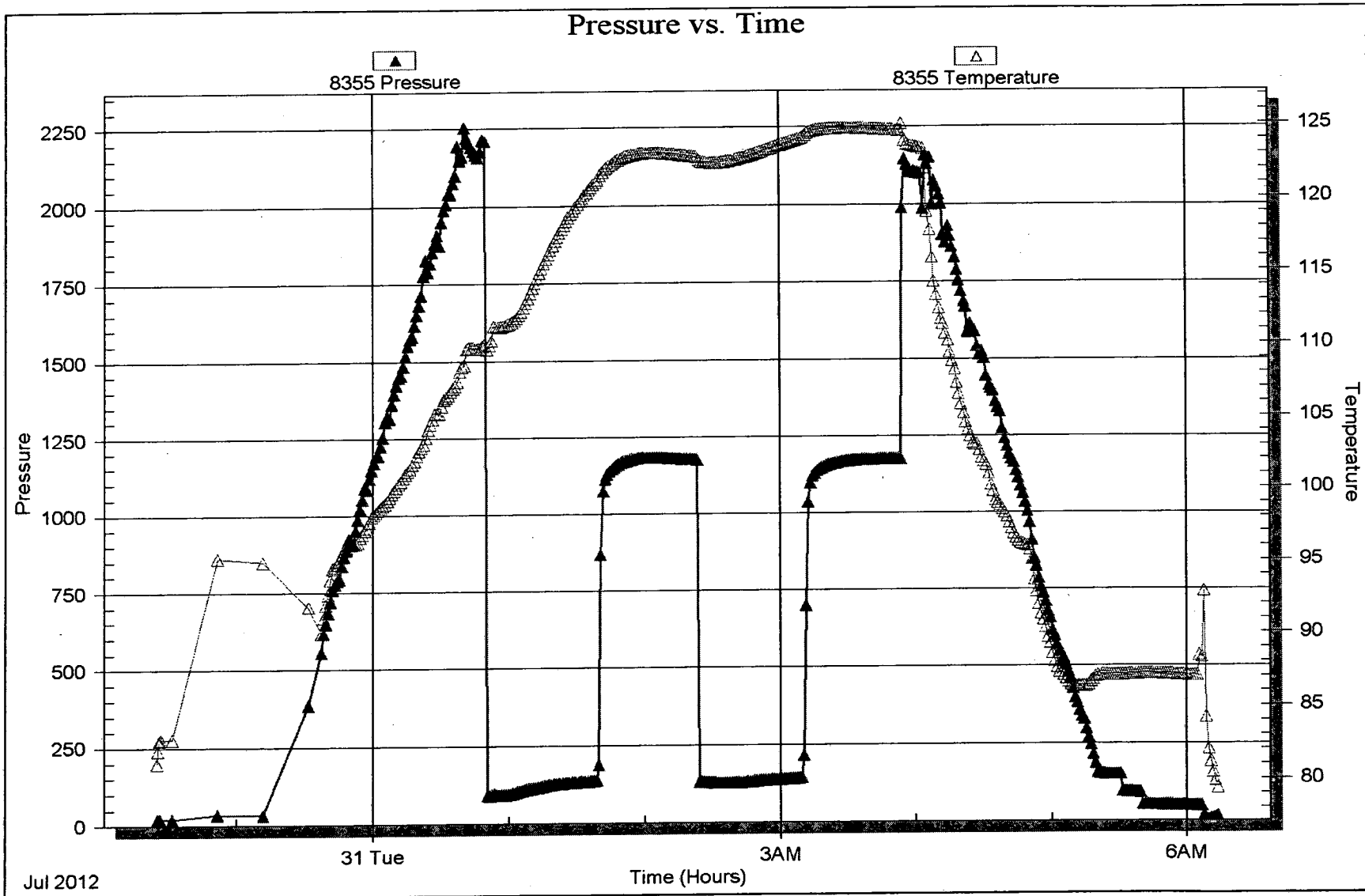
Total Length: 210.00 ft      Total Volume: 1.852 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: Oil API: 39 @ 70 degrees= 38







# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 47070

Well Name & No. Wittman #11 Test No. 1 Date 7/30/12  
 Company American Wellco, Inc. Elevation 2273 KB 2267 GL  
 Address 3118 Cummings Rd P.O. Box 399 Garden City, KS 67846  
 Co. Rep / Geo. Jason T Alm Rig Petromark #1  
 Location: Sec. 19 Twp. 19S Rge. 21W Co. NESS State KS

Interval Tested 4376-4386 Zone Tested M.SS  
 Anchor Length 10' Drill Pipe Run 4258 Mud Wt. 9.4  
 Top Packer Depth 4372 Drill Collars Run 120 Vis. 59  
 Bottom Packer Depth 4376 Wt. Pipe Run 0 WL 8.8  
 Total Depth 4386 Chlorides 5700 ppm System LCM 0  
 Blow Description 1/4" Blow  
No Return.  
1/4" Blow.  
Pull

| Rec       | Feet of    | %gas       | %oil | %water    | %mud |
|-----------|------------|------------|------|-----------|------|
| <u>15</u> | <u>Oil</u> | <u>100</u> |      |           |      |
| <u>55</u> | <u>OCM</u> | <u>5</u>   |      | <u>95</u> |      |
| Rec       | Feet of    | %gas       | %oil | %water    | %mud |
| Rec       | Feet of    | %gas       | %oil | %water    | %mud |

Rec Total 70 BHT 116 Gravity 37 API RW - @ - ° F Chlorides - ppm  
 (A) Initial Hydrostatic 2183  Test 1250 T-On Location 9:10  
 (B) First Initial Flow 16  Jars 250 T-Started 9:58  
 (C) First Final Flow 36  Safety Joint 75 T-Open 12:46  
 (D) Initial Shut-In 1161  Circ Sub N/C T-Pulled 14:01  
 (E) Second Initial Flow 39  Hourly Standby T-Out 16:05  
 (F) Second Final Flow 48  Mileage ~~114.70~~ 130.70 Comments  
 (G) Final Shut-In Pull  Sampler  
 (H) Final Hydrostatic 2146  Straddle  Ruined Shale Packer  
 Shale Packer  Ruined Packer  
 Extra Packer  Extra Copies  
 Extra Recorder Sub Total 0  
 Day Standby Total  
 Accessibility MP/DST Disc'l  
 Sub Total 1751.70

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 15  
 Final Shut-In Pull

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



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 47071

Well Name & No. Wittman #11 Test No. 2 Date 7/30/12  
 Company American Warrior Inc Elevation 2273 KB 2217 GL  
 Address 3116 Cummings Rd P.O. Box 399 Garden city, KS 67846  
 Co. Rep / Geo. Jason T. Alm Rig Petro mark #1  
 Location: Sec. P1 Twp. 19S Rge. 21W Co. Ness State Ks

Interval Tested 4381 - 4391 Zone Tested Miss  
 Anchor Length 10' Drill Pipe Run 4258 Mud Wt. 9.4  
 Top Packer Depth 4377 Drill Collars Run 120 Vis 59  
 Bottom Packer Depth 4381 Wt. Pipe Run 0 WL 8.8  
 Total Depth 4391 Chlorides 5700 ppm System LCM 0  
 Blow Description 6" Blow  
Weak surface returns  
8" blow  
Weak surface returns

| Rec        | Feet of     | %gas     | %oil      | %water    | %mud      |
|------------|-------------|----------|-----------|-----------|-----------|
| <u>40</u>  | <u>60</u>   | <u>5</u> | <u>95</u> |           |           |
| <u>50</u>  | <u>OCM</u>  |          | <u>5</u>  |           | <u>95</u> |
| <u>120</u> | <u>OMCW</u> |          | <u>5</u>  | <u>85</u> | <u>10</u> |
|            |             |          |           |           |           |
|            |             |          |           |           |           |

Rec Total 210 BHT 124 Gravity 38 API RW ✓ @ — °F Chlorides — ppm

|                                     |   |  |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>2219</u> | <input checked="" type="checkbox"/> Test                          | T-On Location <u>22:20</u>                   |
| (B) First Initial Flow <u>19</u>    | <input checked="" type="checkbox"/> Jars 250                      | T-Started <u>22:25</u>                       |
| (C) First Final Flow <u>80</u>      | <input checked="" type="checkbox"/> Safety Joint 75               | T-Open <u>00:50</u>                          |
| (D) Initial Shut-In <u>1205</u>     | <input checked="" type="checkbox"/> Circ Sub <u>N/C</u>           | T-Pulled <u>3:55</u>                         |
| (E) Second Initial Flow <u>83</u>   | <input type="checkbox"/> Hourly Standby                           | T-Out <u>6:14</u>                            |
| (F) Second Final Flow <u>111</u>    | <input checked="" type="checkbox"/> Mileage <u>130 R/T</u> 176.70 | Comments <u>picked up tools</u>              |
| (G) Final Shut-In <u>1204</u>       | <input type="checkbox"/> Sampler                                  |  |
| (H) Final Hydrostatic <u>2203</u>   | <input type="checkbox"/> Straddle                                 | <input type="checkbox"/> Ruined Shale Packer |
|                                     | <input type="checkbox"/> Shale Packer                             | <input type="checkbox"/> Ruined Packer       |
| Initial Open <u>45</u>              | <input type="checkbox"/> Extra Packer                             | <input type="checkbox"/> Extra Copies        |
| Initial Shut-In <u>45</u>           | <input type="checkbox"/> Extra Recorder                           | Sub Total <u>0</u>                           |
| Final Flow <u>45</u>                | <input type="checkbox"/> Day Standby                              | Total <u>1751.70</u>                         |
| Final Shut-In <u>45</u>             | <input type="checkbox"/> Accessibility                            | MP/DST Disc't <u>—</u>                       |
|                                     | Sub Total <u>1751.70</u>  |  |

Approved By Jason T. Alm Our Representative [Signature]  
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