



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1225877  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

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

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

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

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

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

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

|                                   |                 |                                         |
|-----------------------------------|-----------------|-----------------------------------------|
| Spud Date or<br>Recompletion Date | Date Reached TD | Completion Date or<br>Recompletion Date |
|-----------------------------------|-----------------|-----------------------------------------|

API No. 15 - \_\_\_\_\_

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

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

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

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

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

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

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

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1225877

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

|                                                             |                                                          |                              |                                  |                                 |
|-------------------------------------------------------------|----------------------------------------------------------|------------------------------|----------------------------------|---------------------------------|
| Drill Stem Tests Taken<br><i>(Attach Additional Sheets)</i> | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Log | Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey                           | <input type="checkbox"/> Yes <input type="checkbox"/> No | Name                         | Top                              | Datum                           |
| Cores Taken                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No |                              |                                  |                                 |
| Electric Log Run                                            | <input type="checkbox"/> Yes <input type="checkbox"/> No |                              |                                  |                                 |
| List All E. Logs Run:                                       |                                                          |                              |                                  |                                 |

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used  |                   |                           |                   |               |                |              |                            |
|---------------------------------------------------------------------------|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. |                   |                           |                   |               |                |              |                            |
| Purpose of String                                                         | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
|                                                                           |                   |                           |                   |               |                |              |                            |
|                                                                           |                   |                           |                   |               |                |              |                            |
|                                                                           |                   |                           |                   |               |                |              |                            |

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

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

| 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 |
|----------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------|
|                |                                                                                           |                                                                                          |       |
|                |                                                                                           |                                                                                          |       |
|                |                                                                                           |                                                                                          |       |
|                |                                                                                           |                                                                                          |       |
|                |                                                                                           |                                                                                          |       |

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

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

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

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

|           |                        |
|-----------|------------------------|
| Form      | ACO1 - Well Completion |
| Operator  | American Warrior, Inc. |
| Well Name | Clark 7-2              |
| Doc ID    | 1225877                |

Tops

| Name          | Top   | Datum |
|---------------|-------|-------|
| Anhy          | 1899' | +958  |
| B/Anhy        | 1973' | +884  |
| Heebner       | 4021' | -1164 |
| Lansing       | 4067' | -1210 |
| B/KC          | 4557' | -1700 |
| Marmaton      | 4582' | -1725 |
| Ft.Scott      | 4678' | -1821 |
| Morrow        | 4853' | -1996 |
| Mississippian | 4873' | -2016 |





# CEMENTING LOG

Date **8/14/2014** District **Liberal # 21** Ticket No. **53182**  
 Company **American Warrior** Rig **Duke 10**  
 Lease **Clark** Well No **7-2**  
 County **Finney** State **Ks**  
 Location \_\_\_\_\_  
 Field \_\_\_\_\_  
 Casing Data  Conductor  PTA  Squeeze  Misc.  
 Surface  Intermediate  Production  Liner  
 Size **8 5/8** Type \_\_\_\_\_ Weight **24#** Collar \_\_\_\_\_

### CEMENT DATA

Spacer Type \_\_\_\_\_ Water \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density **8.33** PPG  
 LEAD: Time \_\_\_\_\_ hrs. Type **Class A**  
**6% gel, 0.5 lbs/sk flo-seal, 3% calcium chloride** Excess **100%**  
 Amt. **625** Sks Yield **2** ft<sup>3</sup>/sk Density **12.46** PPG  
 TAIL: Time \_\_\_\_\_ hrs. Type **Class A Common**  
**3% calcium chloride, 0.25#/sk flo-seal** Excess **100%**  
 Amt. **200** Sks Yield **1.2** ft<sup>3</sup>/sk Density **15.6** PPG  
 WATER Lead **10.9** Gal/sk Tail **5.2** Gal/sk Total **187** BBLs

Casing Depths Top \_\_\_\_\_ Bottom **1700**

Pump Trucks Used: **531-541**  
 Bulk Equipment **869-554**  
**955-528**

Drill Pipe: BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Open Hole: BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Capacity Factors: BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Casing BBLs/LIN. FT **0.0636** LIN. FT/BBL \_\_\_\_\_  
 Open Holes BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL **13.6037**  
 Drill Pipe BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Annulus BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Perforations From \_\_\_\_\_ ft to \_\_\_\_\_ ft Amt \_\_\_\_\_

Float Equipment: Manufacturer \_\_\_\_\_  
 Shoe: Type **REGULAR GUIDE SHOE** Depth \_\_\_\_\_  
 Float: Type **AFU FLOAT VALVE** Depth \_\_\_\_\_  
 Centralizers: Quantity **3** Plugs Top **1** Bottom \_\_\_\_\_  
 Stage Collars **Cement Basket**  
 Special Equipment \_\_\_\_\_  
 Disp: Fluid Type **FRESH WATER** Amt **105** bbls Weight **8.33** PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_

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

CEMENTER **Edgar A. Rodriguez**

| TIME<br>AM/PM | PRESSURES PSI     |         | FLUID PUMPED DATA |                        |               | REMARKS                                                |
|---------------|-------------------|---------|-------------------|------------------------|---------------|--------------------------------------------------------|
|               | DRILL PIPE CASING | ANNULUS | TOTAL FLUID       | PUMPED PER TIME PERIOD | RATE BBLs/MIN |                                                        |
| 2:20 am       |                   |         |                   |                        |               | Got to location & spotted trucks                       |
| 3:50          |                   |         |                   |                        |               | Casing on bottom. Will stab cmt head to circulate      |
| 4:15          |                   |         |                   |                        |               | Rig up trucks. Rig up floor                            |
| 4:30          |                   |         |                   |                        |               | Performed safety meeting                               |
| 4:41          | 1120              |         |                   |                        |               | Pressure tested lines 1000 psi                         |
| 4:43          | 220               |         | 5                 |                        | 1             | Pump 5 bbls of fresh water                             |
| 4:45          | 180               |         | 223               |                        | 5.5           | Pump 625 sks of lead cmt (223 bbls @12.5)              |
| 5:32          | 130               |         | 43                |                        | 4             | Pump 200 sks of tail cmt (43 bbls @15.6)               |
| 5:44          |                   |         |                   |                        |               | Shutdown / Drop top plug                               |
| 5:46          | 60                |         |                   |                        | 6             | Pump 105 bbls of displacement                          |
| 5:57          | 280               |         | 70                |                        | 6             | Cement back to surface. 45 bbls of cement back to pit  |
| 6:06          | 480               |         | 95                |                        | 3             | Slow rate to bump plug                                 |
| 6:12          | 500               |         | 105               |                        | 3             | Bumped plug. Landed at 500 psi and took up to 1060 psi |
| 6:15          |                   |         |                   |                        |               | Check floats. 1/4 of bbl back                          |
| 6:20          |                   |         |                   |                        |               | End job. Total of 45 bbls of cement back to pit.       |
| 6:30          |                   |         |                   |                        |               | Rig down trucks                                        |
| 7:30          |                   |         |                   |                        |               | Crew leave location                                    |
|               |                   |         |                   |                        |               |                                                        |
|               |                   |         |                   |                        |               |                                                        |
|               |                   |         |                   |                        |               |                                                        |
|               |                   |         |                   |                        |               |                                                        |
|               |                   |         |                   |                        |               |                                                        |
|               |                   |         |                   |                        |               |                                                        |
|               |                   |         |                   |                        |               |                                                        |
|               |                   |         |                   |                        |               |                                                        |
|               |                   |         |                   |                        |               |                                                        |
|               |                   |         |                   |                        |               |                                                        |
|               |                   |         |                   |                        |               |                                                        |
|               |                   |         |                   |                        |               |                                                        |

FINAL DISP. PRESS. **500** PSI BUMP PLUG TO **1060** PSI BLEEDBACK **1/4** BBLs **THANK YOU**



CHARGE TO: **AMERICAN WARRIOR**

ADDRESS

CITY, STATE, ZIP CODE

TICKET 27808

PAGE 1 OF 2

|                                             |                                                                                   |                                            |                                     |                    |                                      |                          |       |
|---------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------|--------------------|--------------------------------------|--------------------------|-------|
| SERVICE LOCATION<br>1. <b>NESS CITY, KS</b> | WELL/PROJECT NO.                                                                  | LEASE<br><b>CLARK 7-2</b>                  | COUNTY/PARISH<br><b>FINNEY</b>      | STATE<br><b>KS</b> | CITY<br><b>PIERCEVILLE, KS.</b>      | DATE<br><b>21 AUG 14</b> | OWNER |
| 2.                                          | TICKET TYPE<br><input type="checkbox"/> SERVICE<br><input type="checkbox"/> SALES | CONTRACTOR<br><b>DUKE DRILLING RIG #10</b> | RIG NAME/NO.                        | SHIPPED VIA        | DELIVERED TO                         | ORDER NO.                |       |
| 3.                                          | WELL TYPE<br><b>OIL</b>                                                           | WELL CATEGORY<br><b>DEVELOPMENT</b>        | JOB PURPOSE<br><b>52 LONGSTRING</b> | WELL PERMIT NO.    | WELL LOCATION<br><b>22N, 1W, S10</b> |                          |       |
| 4. REFERRAL LOCATION                        | INVOICE INSTRUCTIONS                                                              |                                            |                                     |                    |                                      |                          |       |

| PRICE REFERENCE | SECONDARY REFERENCE/<br>PART NUMBER | ACCOUNTING |      |    | DESCRIPTION                | QTY. |  | U/M |  | UNIT PRICE | AMOUNT  |
|-----------------|-------------------------------------|------------|------|----|----------------------------|------|--|-----|--|------------|---------|
|                 |                                     | LOC        | ACCT | DF |                            |      |  |     |  |            |         |
| 575             |                                     |            |      |    | MILEAGE #115               | 90   |  | mi  |  | 6.00       | 540.00  |
| 578             |                                     |            |      |    | Pump CHARGE                | 1    |  | JOB |  | 1500.00    | 1500.00 |
| 402             |                                     |            |      |    | CENTRALIZERS               | 9    |  | EA  |  | 70.00      | 630.00  |
| 403             |                                     |            |      |    | CEMENT BASKET              | 1    |  | EA  |  | 300.00     | 300.00  |
| 406             |                                     |            |      |    | LATCH DOWN PLUG & BAFFLE   | 1    |  | EA  |  | 275.00     | 275.00  |
| 407             |                                     |            |      |    | INSERT FLOAT SPORE W/ FILL | 1    |  | EA  |  | 375.00     | 375.00  |
| 281             |                                     |            |      |    | MUD FLUSH                  | 500  |  | gal |  | 1.25       | 625.00  |
| 221             |                                     |            |      |    | LIQUID KCL                 | 2    |  | gal |  | 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  
DATE SIGNED **22 AUG 14** TIME SIGNED **0245**  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      | AMOUNT    |
|-------------------------------------------------------------------------------------------------|-------|------------|-----------|-----------------|-----------|
| OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?                                                      |       |            |           | 1               | 4495.00   |
| WE UNDERSTOOD AND MET YOUR NEEDS?                                                               |       |            |           | 2               | 5381.12   |
| OUR SERVICE WAS PERFORMED WITHOUT DELAY?                                                        |       |            |           | subtotal        | 9876.12   |
| WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?                        |       |            |           | Finney TAX 7.3% | 486.29    |
| ARE YOU SATISFIED WITH OUR SERVICE?<br><input type="checkbox"/> YES <input type="checkbox"/> NO |       |            |           | TOTAL           | 10,362.41 |
| <input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND                                       |       |            |           |                 |           |

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

SWIFT OPERATOR *[Signature]*

APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 27808

CUSTOMER AMERICAN WARRIOR WELL CLARK 7-2 DATE 21 AUG 14 PAGE 2 OF 2

| PRICE REFERENCE | SECONDARY REFERENCE/<br>PART NUMBER | ACCOUNTING |      |    | TIME | DESCRIPTION    | QTY   |              | U/M |              | UNIT PRICE        | AMOUNT             |
|-----------------|-------------------------------------|------------|------|----|------|----------------|-------|--------------|-----|--------------|-------------------|--------------------|
|                 |                                     | LOC        | ACCT | DF |      |                | QTY   | U/M          | QTY | U/M          |                   |                    |
| 276             |                                     |            |      |    |      | FLOCELE        | 50    | lbs          |     |              | 2 <sup>50</sup>   | 125 <sup>00</sup>  |
| 283             |                                     |            |      |    |      | SACT           | 900   | lbs          |     |              | 2 <sup>00</sup>   | 180 <sup>00</sup>  |
| 284             |                                     |            |      |    |      | CALSEAL        | 8     | sq           |     |              | 35 <sup>00</sup>  | 280 <sup>00</sup>  |
| 292             |                                     |            |      |    |      | HALAD-322      | 125   | lbs          |     |              | 8 <sup>00</sup>   | 1000 <sup>00</sup> |
| 290             |                                     |            |      |    |      | D-AIR          | 2     | sq           |     |              | 42 <sup>00</sup>  | 84 <sup>00</sup>   |
| 325             |                                     |            |      |    |      | STANDARD EA-2  | 175   | sq           |     |              | 14 <sup>50</sup>  | 2537 <sup>50</sup> |
| 581             |                                     |            |      |    |      | SERVICE CHARGE |       |              |     |              | 2 <sup>00</sup>   | 350 <sup>00</sup>  |
| 583             |                                     |            |      |    |      | MILEAGE CHARGE | 18325 | TOTAL WEIGHT | 90  | LOADED MILES | 1 <sup>00</sup>   | 824 <sup>00</sup>  |
|                 |                                     |            |      |    |      |                |       |              |     |              | 175 <sup>sq</sup> | 824 <sup>62</sup>  |

CONTINUATION TOTAL 5381<sup>00</sup>



JOB LOG

SWIFT Services, Inc.

DATE 21 AUG 14 PAGE NO.

CUSTOMER AMERICAN WARRIOR WELL NO. LEASE CLARK 7-2 JOB TYPE 5 1/2 LONG STRING TICKET NO. 27808

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS |   | PRESSURE (PSI) |        | DESCRIPTION OF OPERATION AND MATERIALS                                                                                  |
|-----------|------|------------|--------------------|-------|---|----------------|--------|-------------------------------------------------------------------------------------------------------------------------|
|           |      |            |                    | T     | C | TUBING         | CASING |                                                                                                                         |
|           | 2130 |            |                    |       |   |                |        | ON LOCATION                                                                                                             |
|           | 2200 |            |                    |       |   |                |        | START PIPE - 5 1/2 - 15.5 #<br>RTD @ 5050 SET @ 5030<br>SHOE ST. 21.32.<br>CENTRALIZERS 1,2,3,4,5,7,9,11,13<br>BASKET 7 |
|           | 0020 |            |                    |       |   |                |        | DROP BALL - CIRCULATE.                                                                                                  |
|           | 0113 | 6          | 12                 |       |   |                | 300    | Pump 500 gal MUD FLUSH                                                                                                  |
|           |      | 6          | 20                 |       |   |                | 300    | Pump 20 BBL KCL FLUSH                                                                                                   |
|           | 0120 |            | 7.5                |       |   |                |        | PLUG RH - 30sx MH - 20sx                                                                                                |
|           | 0124 | 4          | 30                 |       |   |                |        | MIX 125 SX EA 2                                                                                                         |
|           | 0138 |            |                    |       |   |                |        | WASH OUT PUMP & LINES.                                                                                                  |
|           | 0145 | 6          |                    |       |   |                |        | START DISPLACING PLUG.                                                                                                  |
|           | 0205 | 0          | 119                |       |   |                | 1500   | PLUG DOWN LATCH PLUG IN.                                                                                                |
|           | 0207 |            |                    |       |   |                |        | RELEASE PSI - DRY                                                                                                       |
|           | 0210 |            |                    |       |   |                |        | WASH TRUCK                                                                                                              |
|           |      |            |                    |       |   |                |        | JOB COMPLETE.                                                                                                           |
|           |      |            |                    |       |   |                |        | THANKS # 115                                                                                                            |
|           |      |            |                    |       |   |                |        | JASON DOUG PRESTON                                                                                                      |





## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399  
Garden City, KS 67846

ATTN: Kevin Timson

**Clark #7-2**

**2-25s-31w Finney,KS**

Start Date: 2014.08.19 @ 05:22:00

End Date: 2014.08.19 @ 10:58:45

Job Ticket #: 59595                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.22 @ 08:43:58



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

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

**2-25s-31w Finney,KS**  
**Clark #7-2**  
 Job Ticket: 59595 **DST#: 1**  
 Test Start: 2014.08.19 @ 05:22:00

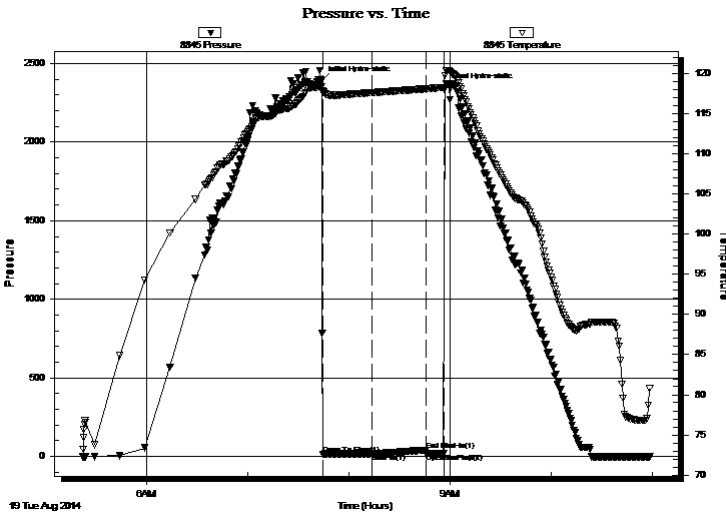
## GENERAL INFORMATION:

Formation: **Morrow**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:44:30  
 Time Test Ended: 10:58:45  
**Interval: 4830.00 ft (KB) To 4883.00 ft (KB) (TVD)**  
 Total Depth: 4883.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Samuel Esparza  
 Unit No: 72  
 Reference Elevations: 2857.00 ft (KB)  
 2846.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8845 Inside**  
 Press@RunDepth: 17.04 psig @ 4831.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.08.19 End Date: 2014.08.19 Last Calib.: 2014.08.19  
 Start Time: 05:22:05 End Time: 10:58:44 Time On Btm: 2014.08.19 @ 07:44:00  
 Time Off Btm: 2014.08.19 @ 08:57:00

TEST COMMENT: IF: No Blow .  
 IS: No Return.  
 FF: No Blow .  
 FS: Pull

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2392.19         | 118.41       | Initial Hydro-static |
| 1           | 15.23           | 117.64       | Open To Flow (1)     |
| 30          | 17.04           | 117.62       | Shut-In(1)           |
| 62          | 40.28           | 118.10       | End Shut-In(1)       |
| 62          | 18.32           | 118.09       | Open To Flow (2)     |
| 73          | 21.05           | 118.27       | Shut-In(2)           |
| 73          | 2344.76         | 119.79       | Final Hydro-static   |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 5.00        | Mud 100m    | 0.07         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

## Gas Rates

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



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

# DRILL STEM TEST REPORT

American Warrior Inc.

**2-25s-31w Finney,KS**

PO Box 399  
Garden City, KS 67846

**Clark #7-2**

Job Ticket: 59595

**DST#: 1**

ATTN: Kevin Timson

Test Start: 2014.08.19 @ 05:22:00

## GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:44:30

Time Test Ended: 10:58:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Samuel Esparza

Unit No: 72

**Interval: 4830.00 ft (KB) To 4883.00 ft (KB) (TVD)**

Reference Elevations: 2857.00 ft (KB)

Total Depth: 4883.00 ft (KB) (TVD)

2846.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 6772** **Outside**

Press@RunDepth: psig @ 4831.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.19

End Date: 2014.08.19

Last Calib.: 2014.08.19

Start Time: 05:22:05

End Time: 10:58:59

Time On Btm:

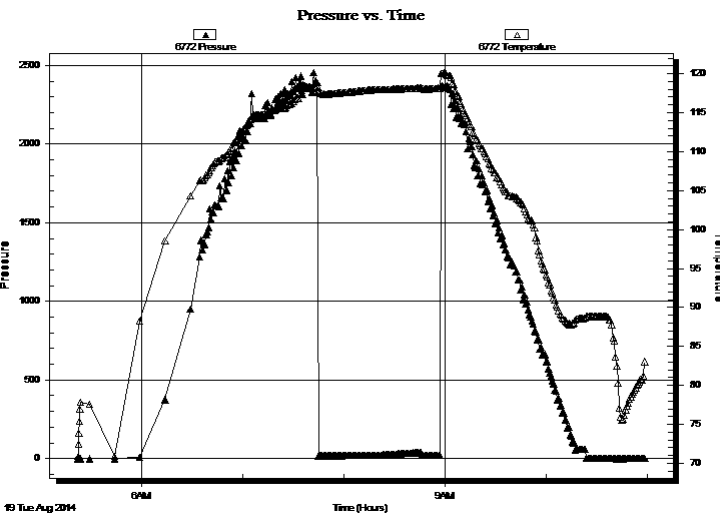
Time Off Btm:

TEST COMMENT: IF: No Blow .

IS: No Return.

FF: No Blow .

FS: Pull



## PRESSURE SUMMARY

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

## Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 5.00        | Mud 100m    | 0.07         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Inc.

**2-25s-31w Finney,KS**

PO Box 399  
Garden City, KS 67846

**Clark #7-2**

Job Ticket: 59595

**DST#: 1**

ATTN: Kevin Timson

Test Start: 2014.08.19 @ 05:22:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 4807.00 ft | Diameter: 3.80 inches | Volume: 67.43 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: 30000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 2.25 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 90000.00 lb  |
|                           |                    |                       | <u>Total Volume: 67.43 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 5.00 ft            |                       |                                | String Weight: Initial 67000.00 lb |
| Depth to Top Packer:      | 4830.00 ft         |                       |                                | Final 67000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 53.00 ft           |                       |                                |                                    |
| Tool Length:              | 81.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 4803.00    |                               |
| Shut In Tool     | 5.00        |            |          | 4808.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4813.00    |                               |
| Jars             | 5.00        |            |          | 4818.00    |                               |
| Safety Joint     | 3.00        |            |          | 4821.00    |                               |
| Packer           | 5.00        |            |          | 4826.00    | 28.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 4830.00    |                               |
| Stubb            | 1.00        |            |          | 4831.00    |                               |
| Recorder         | 0.00        | 6772       | Outside  | 4831.00    |                               |
| Recorder         | 0.00        | 8845       | Inside   | 4831.00    |                               |
| Perforations     | 14.00       |            |          | 4845.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4846.00    |                               |
| Drill Pipe       | 31.00       |            |          | 4877.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4878.00    |                               |
| Bullnose         | 5.00        |            |          | 4883.00    | 53.00 Bottom Packers & Anchor |

**Total Tool Length: 81.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc.

**2-25s-31w Finney,KS**

PO Box 399  
Garden City, KS 67846

**Clark #7-2**

Job Ticket: 59595

**DST#: 1**

ATTN: Kevin Timson

Test Start: 2014.08.19 @ 05:22:00

## 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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 5.00         | Mud 100m    | 0.070         |

Total Length: 5.00 ft      Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

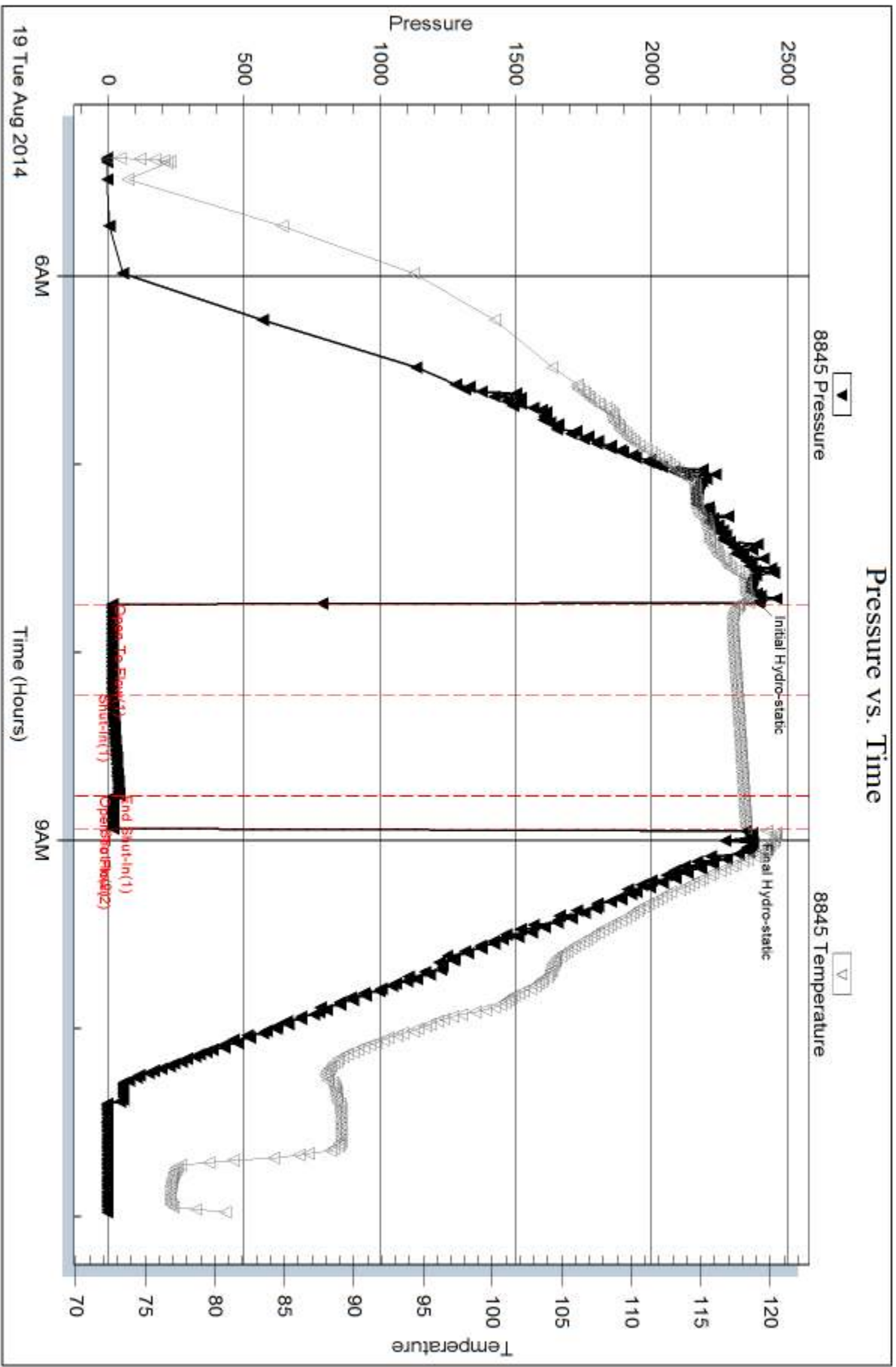
Serial #: 8845

Inside

American Warrior Inc.

Clark #7-2

DST Test Number: 1



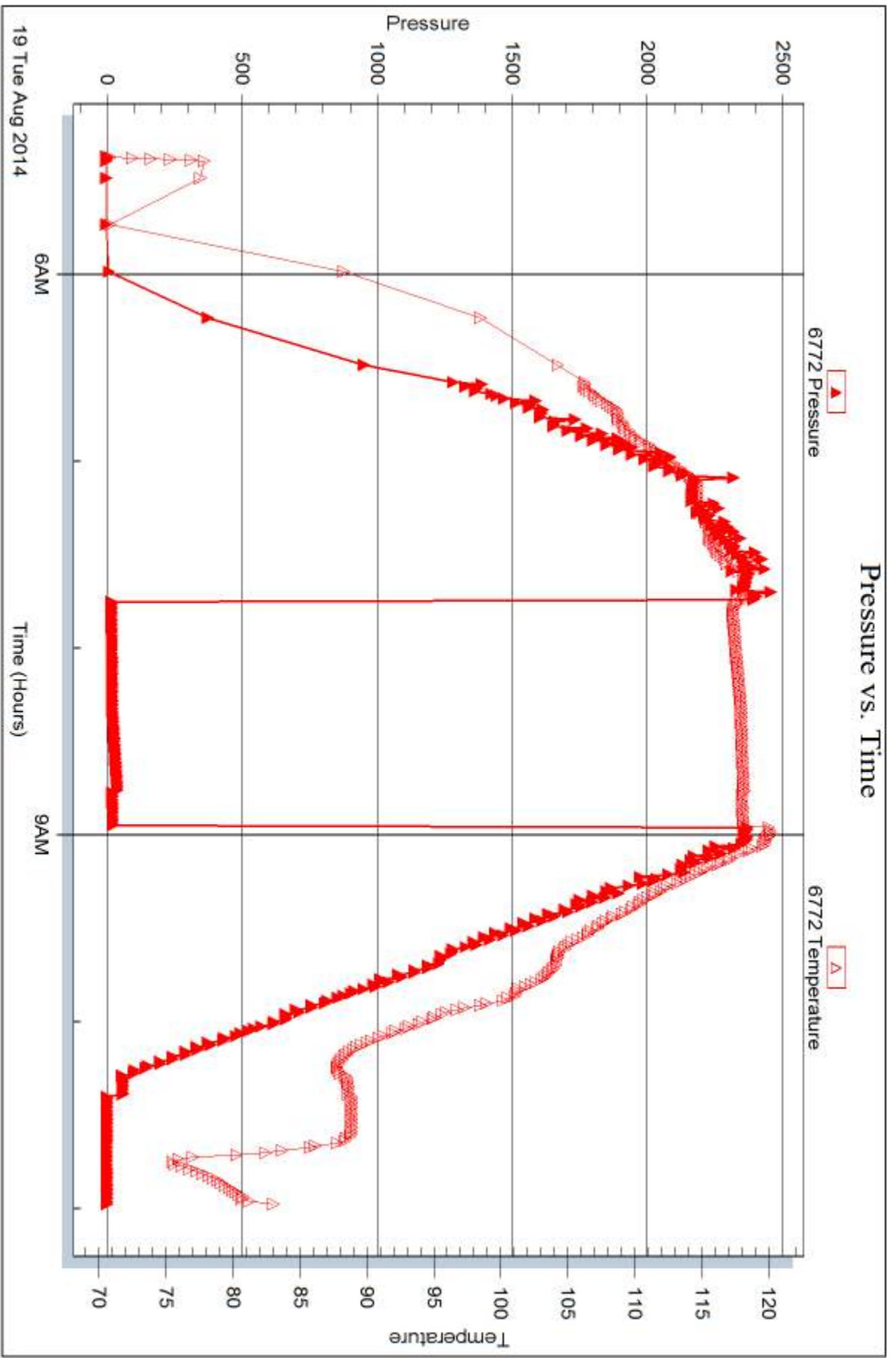


Serial #: 6772

Outside American Warrior Inc.

Clark #7.2

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 59595

Printed: 2014.08.22 @ 08:44:36



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399  
Garden City, KS 67846

ATTN: Kevin Timson

**Clark #7-2**

**2-25s-31w Finney,KS**

Start Date: 2014.08.19 @ 22:31:00

End Date: 2014.08.20 @ 04:42:15

Job Ticket #: 59596                      DST #: 2

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.22 @ 08:43:00



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

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

**2-25s-31w Finney,KS**  
**Clark #7-2**  
 Job Ticket: 59596 **DST#: 2**  
 Test Start: 2014.08.19 @ 22:31:00

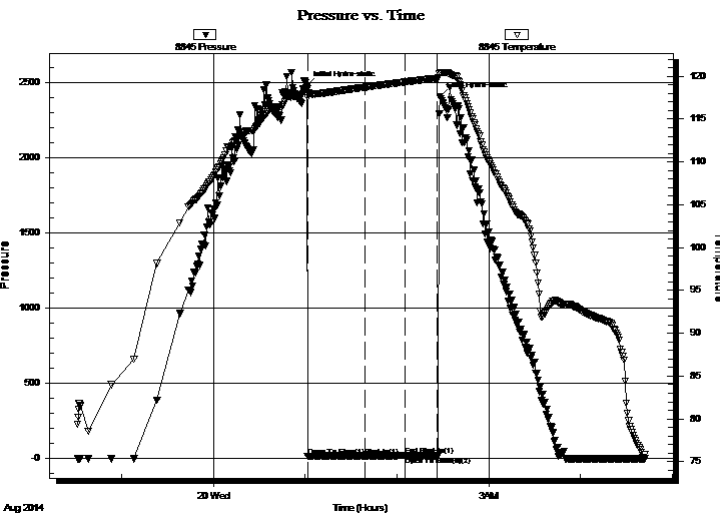
## GENERAL INFORMATION:

Formation: **St. Louis**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:01:30  
 Time Test Ended: 04:42:15  
 Interval: **4910.00 ft (KB) To 4936.00 ft (KB) (TVD)**  
 Total Depth: 4936.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Samuel Esparza  
 Unit No: 72  
 Reference Elevations: 2857.00 ft (KB)  
 2846.00 ft (CF)  
 KB to GR/CF: 11.00 ft

## Serial #: 8845 Outside

Press@RunDepth: 17.41 psig @ 4911.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.08.19 End Date: 2014.08.20 Last Calib.: 2014.08.20  
 Start Time: 22:31:05 End Time: 04:42:14 Time On Btm: 2014.08.20 @ 01:01:15  
 Time Off Btm: 2014.08.20 @ 02:28:15

TEST COMMENT: IF: No Blow .  
 IS: No Return.  
 FF: No Blow .  
 FS: Pull



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2477.78         | 118.52       | Initial Hydro-static |
| 1           | 14.87           | 117.49       | Open To Flow (1)     |
| 38          | 17.41           | 118.72       | Shut-In(1)           |
| 64          | 18.49           | 119.34       | End Shut-In(1)       |
| 65          | 16.33           | 119.35       | Open To Flow (2)     |
| 86          | 17.44           | 119.78       | Shut-In(2)           |
| 87          | 2409.14         | 120.43       | Final Hydro-static   |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 5.00        | Mud 100m    | 0.07         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

\* 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.

**2-25s-31w Finney,KS**

PO Box 399  
Garden City, KS 67846

**Clark #7-2**

Job Ticket: 59596

**DST#: 2**

ATTN: Kevin Timson

Test Start: 2014.08.19 @ 22:31:00

## Tool Information

|                           |                    |                       |                                |                        |             |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe:               | Length: 4897.00 ft | Diameter: 3.80 inches | Volume: 68.69 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:  | 30000.00 lb |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 2.25 inches | Volume: 0.00 bbl               | Weight to Pull Loose:  | 95000.00 lb |
|                           |                    |                       | <u>Total Volume: 68.69 bbl</u> | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 15.00 ft           |                       |                                | String Weight: Initial | 70000.00 lb |
| Depth to Top Packer:      | 4910.00 ft         |                       |                                | Final                  | 70000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                                |                        |             |
| Interval between Packers: | 26.00 ft           |                       |                                |                        |             |
| Tool Length:              | 54.00 ft           |                       |                                |                        |             |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                        |             |

Tool Comments:

## Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 4883.00    |                               |
| Shut In Tool     | 5.00        |            |          | 4888.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4893.00    |                               |
| Jars             | 5.00        |            |          | 4898.00    |                               |
| Safety Joint     | 3.00        |            |          | 4901.00    |                               |
| Packer           | 5.00        |            |          | 4906.00    | 28.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 4910.00    |                               |
| Stubb            | 1.00        |            |          | 4911.00    |                               |
| Recorder         | 0.00        | 6772       | Outside  | 4911.00    |                               |
| Recorder         | 0.00        | 8845       | Outside  | 4911.00    |                               |
| Perforations     | 20.00       |            |          | 4931.00    |                               |
| Bullnose         | 5.00        |            |          | 4936.00    | 26.00 Bottom Packers & Anchor |

**Total Tool Length: 54.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

American Warrior Inc.

**2-25s-31w Finney,KS**

PO Box 399  
Garden City, KS 67846

**Clark #7-2**

Job Ticket: 59596

**DST#: 2**

ATTN: Kevin Timson

Test Start: 2014.08.19 @ 22:31:00

### 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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 5.00         | Mud 100m    | 0.070         |

Total Length: 5.00 ft      Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

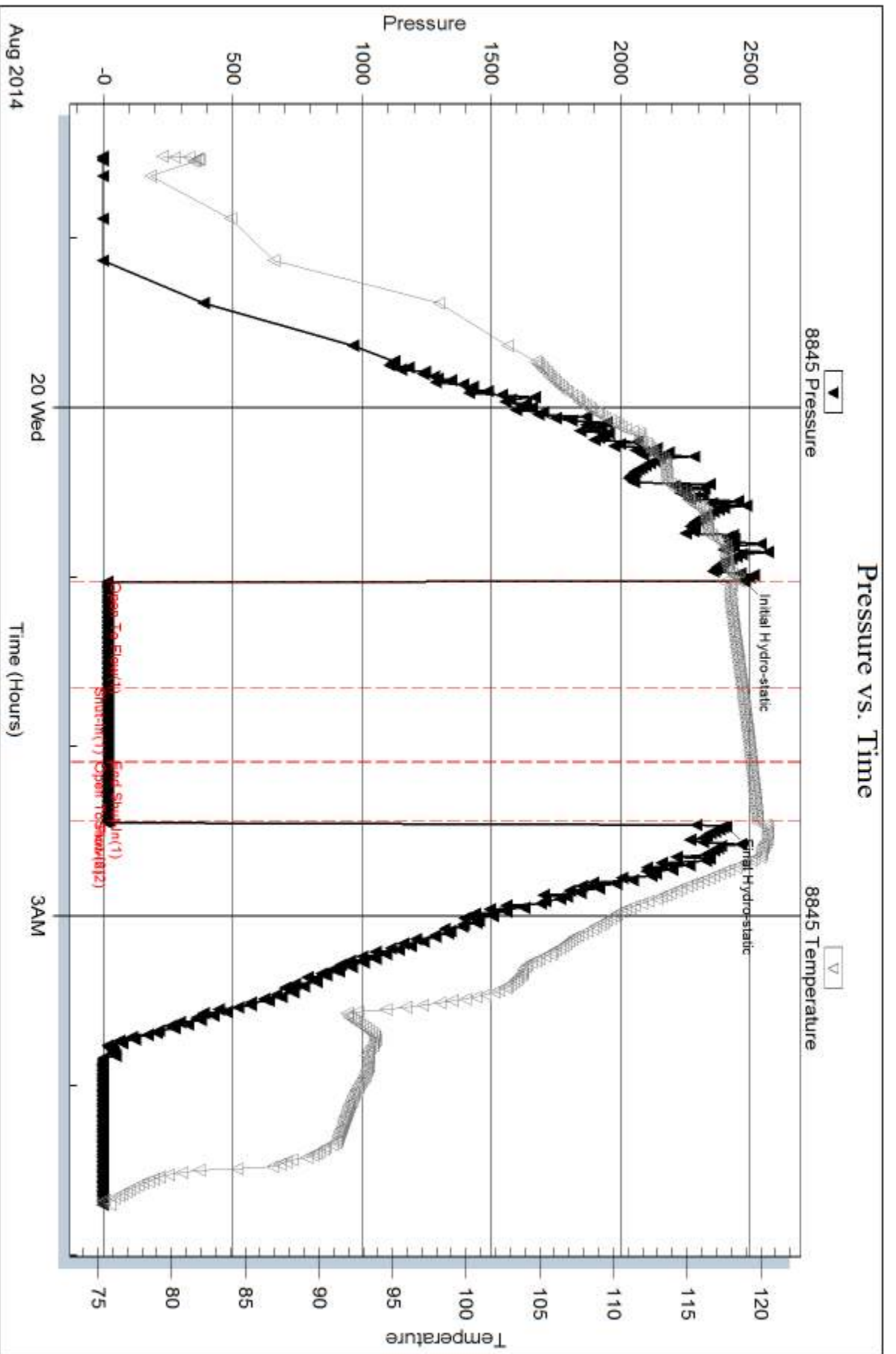
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



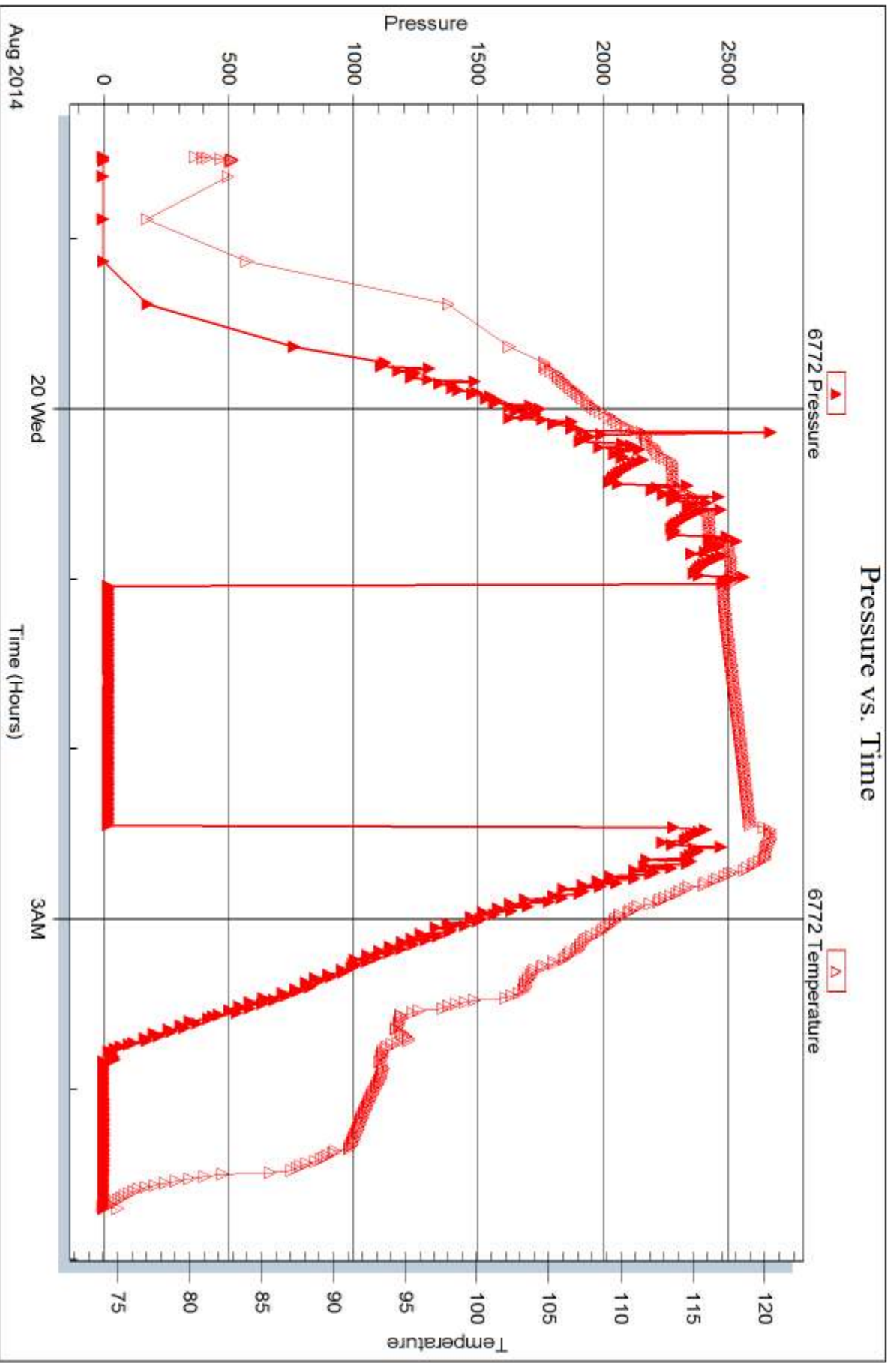


Serial #: 6772

Outside American Warrior Inc.

Clark #7.2

DST Test Number: 2



Triobrite Testing, Inc

Ref. No: 59596

Printed: 2014.08.22 @ 08:43:03



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399  
Garden City, KS 67846

ATTN: Kevin Timson

**Clark #7-2**

**2-25s-31w Finney,KS**

Start Date: 2014.08.21 @ 04:15:00

End Date: 2014.08.21 @ 12:03:30

Job Ticket #: 57543                      DST #: 3

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.22 @ 08:40:27



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior Inc.

**2-25s-31w Finney,KS**

PO Box 399  
Garden City, KS 67846

**Clark #7-2**

Job Ticket: 57543

**DST#: 3**

ATTN: Kevin Timson

Test Start: 2014.08.21 @ 04:15:00

## GENERAL INFORMATION:

Formation: **St Louis**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 06:48:30  
 Time Test Ended: 12:03:30  
 Interval: **4920.00 ft (KB) To 4967.00 ft (KB) (TVD)**  
 Total Depth: 5050.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Straddle (Reset)  
 Tester: Justin Harris  
 Unit No: 69  
 Reference Elevations: 2857.00 ft (KB)  
 2846.00 ft (CF)  
 KB to GR/CF: 11.00 ft

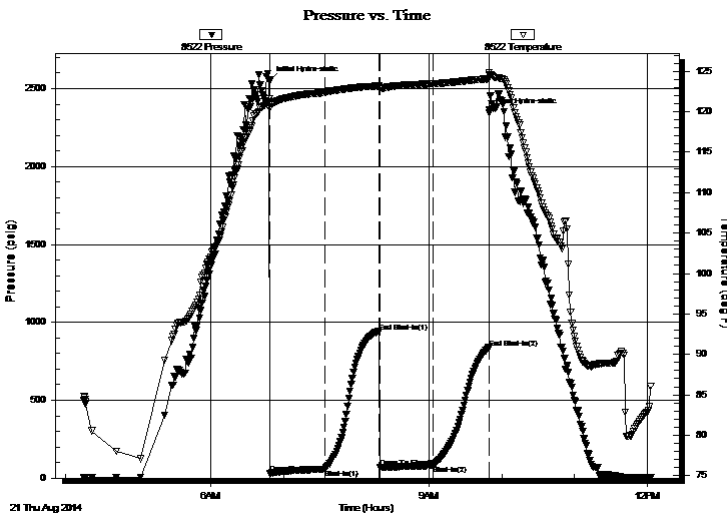
## Serial #: 8522

Inside

Press@RunDepth: 81.58 psig @ 4921.00 ft (KB)  
 Start Date: 2014.08.21 End Date: 2014.08.21  
 Start Time: 04:15:05 End Time: 12:03:29  
 Capacity: 8000.00 psig  
 Last Calib.: 2014.08.21  
 Time On Btm: 2014.08.21 @ 06:48:15  
 Time Off Btm: 2014.08.21 @ 09:49:30

TEST COMMENT: 45: Weak surface blow build to 6".  
 45: No Return.  
 45: B.O.B. in 11 min.  
 45: No Return.

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2549.03         | 121.62       | Initial Hydro-static |
| 1           | 32.78           | 120.37       | Open To Flow (1)     |
| 46          | 58.57           | 122.43       | Shut-In(1)           |
| 91          | 935.64          | 123.16       | End Shut-In(1)       |
| 91          | 67.39           | 122.90       | Open To Flow (2)     |
| 136         | 81.58           | 123.46       | Shut-In(2)           |
| 181         | 837.44          | 124.06       | End Shut-In(2)       |
| 182         | 2343.23         | 124.87       | Final Hydro-static   |

## Recovery

| Length (ft) | Description        | Volume (bbl) |
|-------------|--------------------|--------------|
| 140.00      | gocm 5%g 20%o 75%m | 1.96         |
| 0.00        | GIP 609'           | 0.00         |
|             |                    |              |
|             |                    |              |
|             |                    |              |

\* 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.

**2-25s-31w Finney,KS**

PO Box 399  
Garden City, KS 67846

**Clark #7-2**

Job Ticket: 57543

**DST#: 3**

ATTN: Kevin Timson

Test Start: 2014.08.21 @ 04:15:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 4899.00 ft | Diameter: 3.80 inches | Volume: 68.72 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: 30000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 2.25 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 80000.00 lb  |
|                           |                    |                       | <u>Total Volume: 68.72 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 6.00 ft            |                       |                                | String Weight: Initial 70000.00 lb |
| Depth to Top Packer:      | 4920.00 ft         |                       |                                | Final 72000.00 lb                  |
| Depth to Bottom Packer:   | 4967.00 ft         |                       |                                |                                    |
| Interval between Packers: | 47.00 ft           |                       |                                |                                    |
| Tool Length:              | 158.00 ft          |                       |                                |                                    |
| Number of Packers:        | 3                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

| Tool Description          | Length (ft)   | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|---------------------------|---------------|------------|----------|------------|-------------------------------|
| Change Over Sub           | 1.00          |            |          | 4894.00    |                               |
| Shut In Tool              | 5.00          |            |          | 4899.00    |                               |
| Hydraulic tool            | 5.00          |            |          | 4904.00    |                               |
| Jars                      | 5.00          |            |          | 4909.00    |                               |
| Safety Joint              | 2.00          |            |          | 4911.00    |                               |
| Packer                    | 5.00          |            |          | 4916.00    | 27.00 Bottom Of Top Packer    |
| Packer                    | 4.00          |            |          | 4920.00    |                               |
| Stubb                     | 1.00          |            |          | 4921.00    |                               |
| Recorder                  | 0.00          | 8522       | Inside   | 4921.00    |                               |
| Recorder                  | 0.00          | 8365       | Outside  | 4921.00    |                               |
| Perforations              | 6.00          |            |          | 4927.00    |                               |
| Change Over Sub           | 1.00          |            |          | 4928.00    |                               |
| Drill Pipe                | 32.00         |            |          | 4960.00    |                               |
| Change Over Sub           | 1.00          |            |          | 4961.00    |                               |
| Perforations              | 5.00          |            |          | 4966.00    |                               |
| Blank Off Sub             | 1.00          |            |          | 4967.00    | 47.00 Tool Interval           |
| Packer                    | 3.00          |            |          | 4970.00    |                               |
| Blank Spacing             | 1.00          |            |          | 4971.00    |                               |
| Perforations              | 12.00         |            |          | 4983.00    |                               |
| Change Over Sub           | 1.00          |            |          | 4984.00    |                               |
| Recorder                  | 0.00          | 8677       | Below    | 4984.00    |                               |
| Drill Pipe                | 63.00         |            |          | 5047.00    |                               |
| Change Over Sub           | 1.00          |            |          | 5048.00    |                               |
| Bullnose                  | 3.00          |            |          | 5051.00    | 84.00 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>158.00</b> |            |          |            |                               |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc.

**2-25s-31w Finney,KS**

PO Box 399  
Garden City, KS 67846

**Clark #7-2**

Job Ticket: 57543

**DST#: 3**

ATTN: Kevin Timson

Test Start: 2014.08.21 @ 04:15:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description        | Volume<br>bbl |
|--------------|--------------------|---------------|
| 140.00       | gocm 5%g 20%o 75%m | 1.964         |
| 0.00         | GIP 609'           | 0.000         |

Total Length: 140.00 ft

Total Volume: 1.964 bbl

Num Fluid Samples: 0

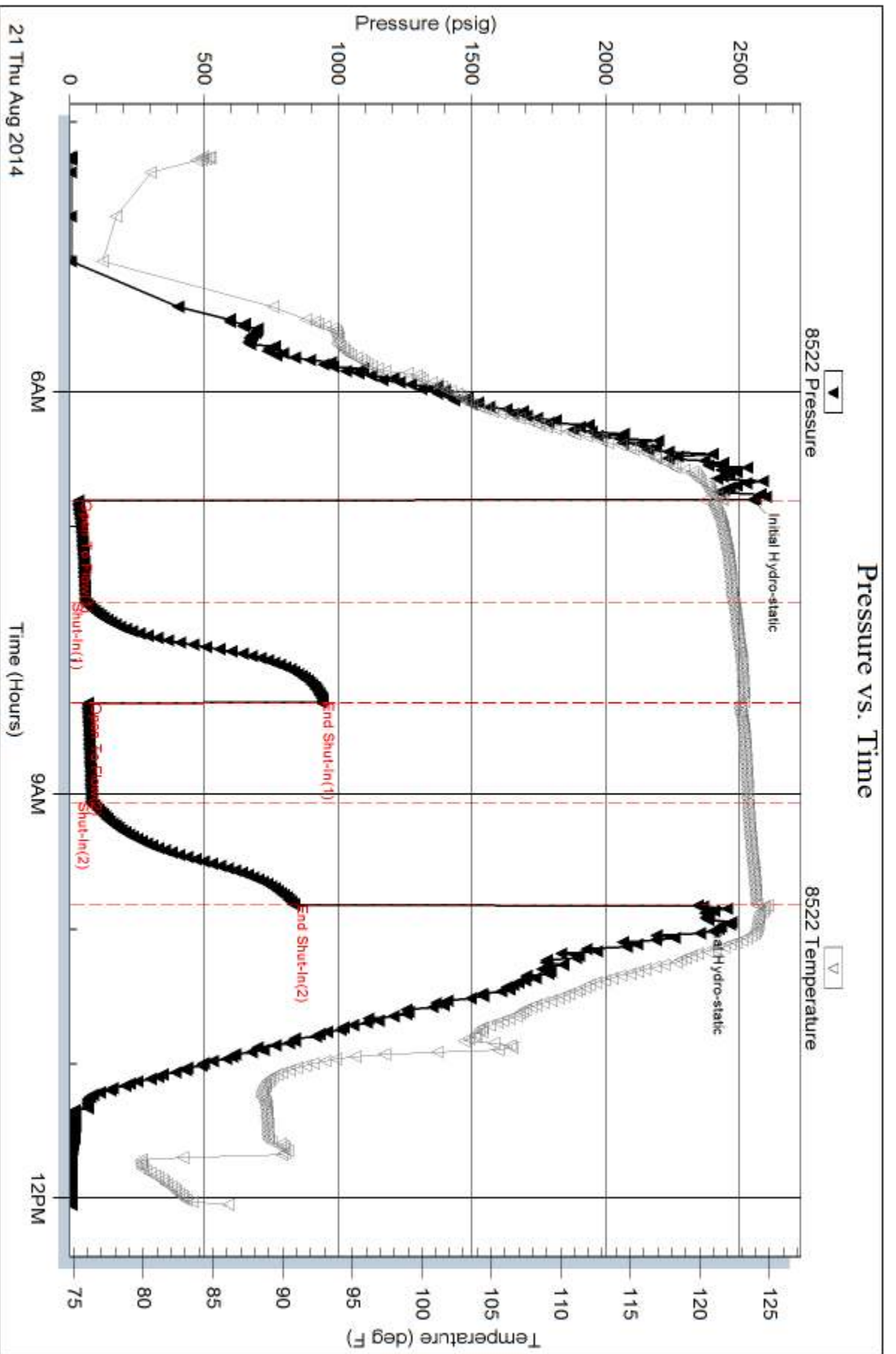
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

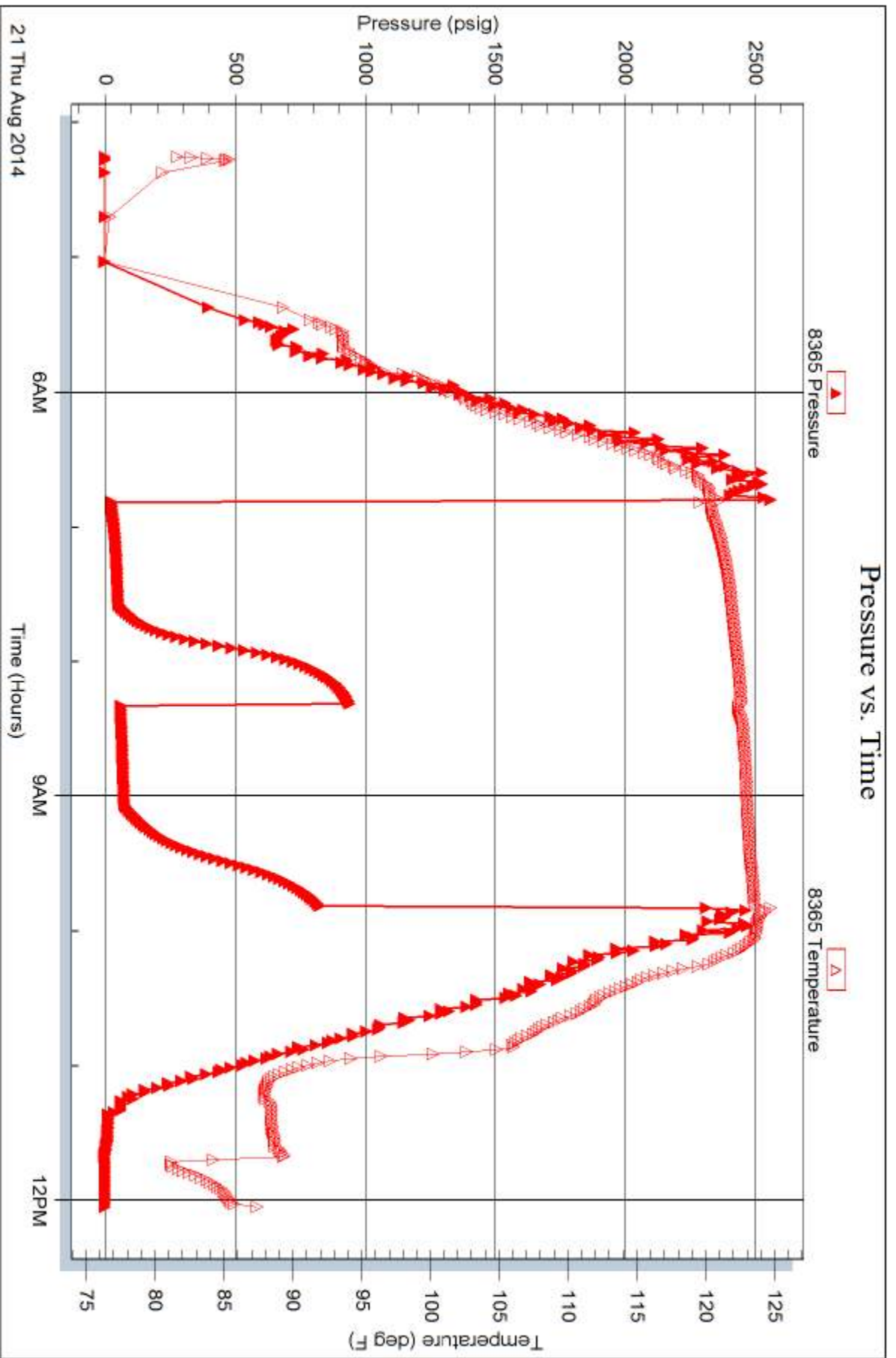


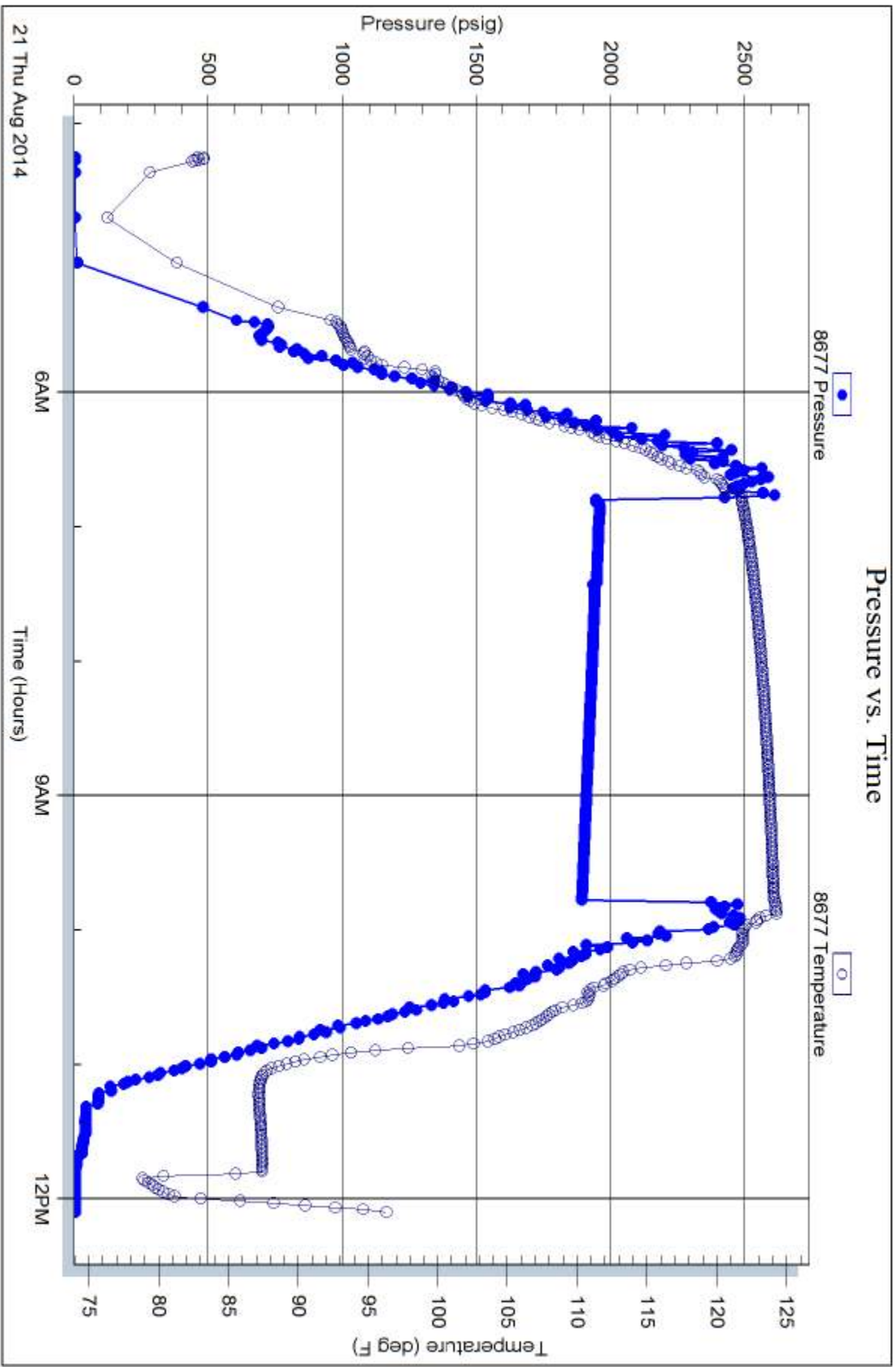
Serial #: 8365

Outside American Warrior Inc.

Clark #7.2

DST Test Number: 3









# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59595

Well Name & No. Clark #7-2 Test No. 1 Date 8/9/14  
 Company American Warrior Inc. Elevation ~~2057~~ 2057 KB ~~2846~~ 2846 GL  
 Address 3118 Cummins RD PO Box 395 Garden city, KS 67846  
 Co. Rep / Geo. Kevin Timon Rig Duke #10  
 Location: Sec. 2 Twp. 25S Rge. 31W Co. Finney State KS

Interval Tested 4830 - 4883 Zone Tested Morou  
 Anchor Length 53 Drill Pipe Run 4807 Mud Wt. 9.2  
 Top Packer Depth 5126 Drill Collars Run 0 Vis 48  
 Bottom Packer Depth 4830 Wt. Pipe Run 0 WL 9.2  
 Total Depth 4883 Chlorides 2700 ppm System LCM 3

Blow Description IF: No Blow  
ISI: No return  
FR: No Blow  
RSI: Perm

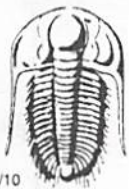
| Rec      | Feet of    | %gas | %oil | %water     | %mud |
|----------|------------|------|------|------------|------|
| <u>5</u> | <u>Mud</u> |      |      | <u>100</u> |      |
| Rec      | Feet of    | %gas | %oil | %water     | %mud |
| Rec      | Feet of    | %gas | %oil | %water     | %mud |
| Rec      | Feet of    | %gas | %oil | %water     | %mud |
| Rec      | Feet of    | %gas | %oil | %water     | %mud |

Rec Total 5 BHT 118 Gravity — API RW — @ — °F Chlorides — ppm  
 (A) Initial Hydrostatic 2392  Test 1250 T-On Location 0445  
 (B) First Initial Flow 15  Jars 250 T-Started 0522  
 (C) First Final Flow 17  Safety Joint 75 T-Open 0745  
 (D) Initial Shut-In 40  Circ Sub 50 T-Pulled 0855  
 (E) Second Initial Flow 18  Hourly Standby \_\_\_\_\_ T-Out 10:59  
 (F) Second Final Flow 21  Mileage 108 RTT 167.40 Comments \_\_\_\_\_  
 (G) Final Shut-In N/A  Sampler \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 (H) Final Hydrostatic 2343  Straddle \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Open 30  Shale Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_ Sub Total 0  
 Final Flow 10  Extra Recorder \_\_\_\_\_ Total 1792.40  
 Final Shut-In perm  Day Standby \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1792.40  Accessibility \_\_\_\_\_

Approved By \_\_\_\_\_

Our Representative [Signature]

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



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59596

Well Name & No. Clark #7-2 Test No. 2 Date 8/19/14  
 Company American Wellstar Inc. Elevation 2857 KB 2846 GL  
 Address 3118 Cummings RD PO Box 399 Garden city, KS 67846  
 Co. Rep / Geo. Kevin Timson Rig Duke #10  
 Location: Sec. 2 Twp. 25S Rge. 31W Co. Finney State KS

Interval Tested 4910-4936 Zone Tested St. Louis  
 Anchor Length 26 Drill Pipe Run 4897 Mud Wt. 9.2  
 Top Packer Depth 4906 Drill Collars Run 6 Vis 44  
 Bottom Packer Depth 4910 Wt. Pipe Run Ø WL 9.2  
 Total Depth 4936 Chlorides 2720 ppm System LCM 3

Blow Description IF: No Blow.  
IFT: No Return.  
FF: No Blow.  
FST: Drill

| Rec      | Feet of    | %gas | %oil | %water     | %mud |
|----------|------------|------|------|------------|------|
| <u>5</u> | <u>Mud</u> |      |      | <u>100</u> |      |
| Rec      | Feet of    | %gas | %oil | %water     | %mud |
| Rec      | Feet of    | %gas | %oil | %water     | %mud |
| Rec      | Feet of    | %gas | %oil | %water     | %mud |

Rec Total 5 BHT 120 Gravity — API RW — @ — °F Chlorides — ppm

|                                     |                                                                   |                                                              |
|-------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|
| (A) Initial Hydrostatic <u>2478</u> | <input checked="" type="checkbox"/> Test <u>1250</u>              | T-On Location <u>2210</u>                                    |
| (B) First Initial Flow <u>15</u>    | <input checked="" type="checkbox"/> Jars <u>250</u>               | T-Started <u>2231</u>                                        |
| (C) First Final Flow <u>17</u>      | <input checked="" type="checkbox"/> Safety Joint <u>75</u>        | T-Open <u>0101</u>                                           |
| (D) Initial Shut-In <u>18</u>       | <input checked="" type="checkbox"/> Circ Sub <u>N/C</u>           | T-Pulled <u>0220</u>                                         |
| (E) Second Initial Flow <u>16</u>   | <input type="checkbox"/> Hourly Standby                           | T-Out <u>0442</u>                                            |
| (F) Second Final Flow <u>17</u>     | <input checked="" type="checkbox"/> Mileage <u>108 R/T</u> 167.40 | Comments <u>Load 900LS</u>                                   |
| (G) Final Shut-In <u>N/A</u>        | <input type="checkbox"/> Sampler                                  |                                                              |
| (H) Final Hydrostatic <u>2409</u>   | <input type="checkbox"/> Straddle                                 |                                                              |
| Initial Open <u>30</u>              | <input type="checkbox"/> Shale Packer                             | <input type="checkbox"/> Ruined Shale Packer                 |
| Initial Shut-In <u>30</u>           | <input type="checkbox"/> Extra Packer                             | <input checked="" type="checkbox"/> Ruined Packer <u>320</u> |
| Final Flow <u>10</u>                | <input type="checkbox"/> Extra Recorder                           | <input type="checkbox"/> Extra Copies                        |
| Final Shut-In <u>PMI</u>            | <input type="checkbox"/> Day Standby                              | Sub Total <u>320</u>                                         |
|                                     | <input type="checkbox"/> Accessibility                            | Total <u>2112.40</u>                                         |
|                                     | Sub Total <u>1792.40</u>                                          | MP/DST Disc't                                                |

Approved By \_\_\_\_\_ Our Representative \_\_\_\_\_  
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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 57453

Well Name & No. Clark # 7-2 Test No. 3 Date 8-21-14  
 Company American Warrior Inc Elevation 2857 KB 2846 GL  
 Address 3118 Cummings Rd PO Box 399 Garden City KS 67846  
 Co. Rep / Geo. Kevin Timson Rig Duke #10  
 Location: Sec. 2 Twp. 25S Rge. 3/W Co. Finney State KS

Interval Tested 4920 4967 Zone Tested ST. LOUIS  
 Anchor Length 47 81 Tailpipe Drill Pipe Run 4899 Mud Wt. 9.4  
 Top Packer Depth 4915 Drill Collars Run 0 Vis 48  
 Bottom Packer Depth 4920 Wt. Pipe Run 0 WL 10.8  
 Total Depth 4967 Chlorides 5000 ppm System LCM 2#  
 Blow Description 45 Weak surface blow Build to 6"  
45 No Return  
45 B.O.B in 11 min  
45 No Return

| Rec        | Feet of         | %gas       | %oil      | %water    | %mud |
|------------|-----------------|------------|-----------|-----------|------|
| <u>140</u> | <u>90cm</u>     | <u>5</u>   | <u>20</u> | <u>75</u> |      |
|            | <u>GIP 609'</u> | <u>100</u> |           |           |      |
|            |                 |            |           |           |      |
|            |                 |            |           |           |      |
|            |                 |            |           |           |      |

Rec Total 140 BHT 124 Gravity - API RW - @ - °F Chlorides - ppm

|                                     |                                                                         |                                              |
|-------------------------------------|-------------------------------------------------------------------------|----------------------------------------------|
| (A) Initial Hydrostatic <u>2549</u> | <input checked="" type="checkbox"/> Test <u>1250</u>                    | T-On Location <u>1:05</u>                    |
| (B) First Initial Flow <u>33</u>    | <input checked="" type="checkbox"/> Jars <u>250</u>                     | T-Started <u>4:15</u>                        |
| (C) First Final Flow <u>58</u>      | <input checked="" type="checkbox"/> Safety Joint <u>75</u>              | T-Open <u>6:45</u>                           |
| (D) Initial Shut-In <u>936</u>      | <input checked="" type="checkbox"/> Circ Sub <u>N/C</u>                 | T-Pulled <u>9:45</u>                         |
| (E) Second Initial Flow <u>47</u>   | <input type="checkbox"/> Hourly Standby                                 | T-Out <u>12:06</u>                           |
| (F) Second Final Flow <u>81</u>     | <input checked="" type="checkbox"/> Mileage <u>102 RT</u> <u>167.40</u> | Comments                                     |
| (G) Final Shut-In <u>837</u>        | <input type="checkbox"/> Sampler                                        |                                              |
| (H) Final Hydrostatic <u>2343</u>   | <input checked="" type="checkbox"/> Straddle <u>600</u>                 | <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>2342.40</u>                         |
| Final Shut-In <u>45</u>             | <input type="checkbox"/> Accessibility                                  | MP/DST Disc't                                |
|                                     | Sub Total <u>2342.40</u>                                                |                                              |

Approved By \_\_\_\_\_ Our Representative [Signature]  
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# **Geological Report**

American Warrior, Inc.

**Clark #7-2**

2046' FSL & 335' FEL

Sec. 2, T25s, R31w

Finney County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Clark #7-2  
2046' FSL & 335' FEL  
Sec. 2, T25s, R31w  
Finney County, Kansas  
API # 15-055-22335-00-00

Drilling Contractor: Duke Drilling Co. Rig #10

Geologist: Kevin Timson

Spud Date: August 13, 2014

Completion Date: August 22, 2014

Elevation 2846' G.L.  
2857' K.B.

Directions: From Garden City Airport. Go SE on Hwy 50 1 mile to Aerodrome Rd. Go 1 ½ miles East on Aerodrome and South on lease road and West into.

Casing: 1688' 8 5/8" #24 Surface Casing  
5030' 5 ½" #15.5 Production Casing

Samples: 4600' to RTD 10' Wet & Dry

Drilling Time: 3950' to RTD

Electric Logs: Pioneer Energy Services "C. Desaire"  
Stacked-Micro

Drillstem Tests: Three-Trilobite Testing "Sam Esparza & Justin Harris"

Problems: None

## Formation Tops

Clark #7-2

Sec. 2, T25s, R31w

2046' FSL & 335' FEL

|            |             |
|------------|-------------|
| Anhydrite  | 1899' +958  |
| Base       | 1973' +884  |
| Heebner    | 4021' -1164 |
| Lansing    | 4067' -1210 |
| Stark      | 4428' -1571 |
| Bkc        | 4557' -1700 |
| Marmaton   | 4582' -1725 |
| Pawnee     | 4655' -1798 |
| Fort Scott | 4678' -1821 |
| Cherokee   | 4693' -1836 |
| Morrow     | 4853' -1996 |
| Miss       | 4873' -2016 |
| RTD        | 5050' -2193 |
| LTD        | 5048' -2191 |

### Sample Zone Descriptions

**Morrow** (4853', -1996): Covered in DST #1

Sandstone. Grey/Glauconitic. Fine to medium grain. Well rounded, well sorted. Fair to good stain. Poor to fair saturation. No show of free oil. Poor to fair. 10 units hotwire.

**St. Louis** (4843', -2004): Covered in DST #2 & #3

Ls. Tan. Sub crystalline. Fair oomoldic and oolycastic porosity. Fair stain and fair saturation in porosity. Slight show of free oil when broken. Poor odor. 40 units hotwire.

**Drill Stem Tests**  
 Trilobite Testing  
 “Sam Esparza & Justin Harris”

**DST #1**

**Morrow**

Interval (4830’ – 4883’) Anchor 53’

|           |                   |         |
|-----------|-------------------|---------|
| IHP       | - 2392 #          |         |
| IFP       | - 30” – No blow   | 15-17 # |
| ISI       | - 30” – No return | 40 #    |
| FFP       | - 10” – No Blow   | 18-21 # |
| FSIP      | - Pull Tool       | NA      |
| FHP       | - 2345 #          |         |
| BHT       | - 118° F          |         |
| Recovery: | 5’ Mud            |         |

**DST #2**

**St. Louis**

Interval (4910’ – 4936’) Anchor 26’

|           |                   |         |
|-----------|-------------------|---------|
| IHP       | - 2478 #          |         |
| IFP       | - 30” – No blow   | 15-17 # |
| ISI       | - 30” – No return | 18 #    |
| FFP       | - 10” – No blow   | 16-17 # |
| FSIP      | - Pull Tool       | NA      |
| FHP       | - 2409 #          |         |
| BHT       | - 120° F          |         |
| Recovery: | 5’ Mud            |         |

**DST #3**

**St. Louis**

Interval (4920’ – 4967’) Anchor 47’ Tail Pipe 81’

|      |                         |         |
|------|-------------------------|---------|
| IHP  | - 2549 #                |         |
| IFP  | - 45” – WSB built to 6” | 33-58#  |
| ISI  | - 45” – No return       | 936 #   |
| FFP  | - 45” – BOB in 11 min   | 67-81 # |
| FSIP | - 45” – No return       | 837 #   |
| FHP  | - 2343 #                |         |
| BHT  | - 124° F                |         |

Recovery: 140’ GOCM (20 % Oil, 5% Gas)

609’ GIP

## Structural Comparison

|                  | American Warrior, Inc.<br>Clark #7-2<br>Sec. 2, T25s, R31w<br>2046' FSL & 335' FEL |     | American Warrior, Inc.<br>Clark #1-2<br>Sec. 2, T25s, R31w<br>2415' FSL & 1145' FEL |     | American Warrior, Inc.<br>Clark #3-2<br>Sec 2, T25s, R31w<br>2165' FSL & 1738' FEL |
|------------------|------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|-----|------------------------------------------------------------------------------------|
| <b>Formation</b> |                                                                                    |     |                                                                                     |     |                                                                                    |
| Heebner          | 4021' -1164                                                                        | -6  | 4002' -1158                                                                         | -20 | 3983' -1144                                                                        |
| Lansing          | 4067' -1210                                                                        | -6  | 4048' -1204                                                                         | -17 | 4032' -1193                                                                        |
| Stark            | 4428' -1571                                                                        | -4  | 4411' -1567                                                                         | -13 | 4397' -1558                                                                        |
| BKC              | 4557' -1700                                                                        | -4  | 4540' -1696                                                                         | -11 | 4528' -1689                                                                        |
| Marmaton         | 4582' -1725                                                                        | -5  | 4564' -1720                                                                         | -12 | 4552' -1713                                                                        |
| Pawnee           | 4655' -1798                                                                        | -7  | 4635' -1791                                                                         | -12 | 4625' -1786                                                                        |
| Fort Scott       | 4678' -1821                                                                        | -7  | 4658' -1814                                                                         | -14 | 4646' -1807                                                                        |
| Cherokee         | 4693' -1836                                                                        | -6  | 4674' -1830                                                                         | -22 | 4653' -1814                                                                        |
| Morrow           | 4853' -1996                                                                        | -11 | 4829' -1985                                                                         | -15 | 4820' -1981                                                                        |
| Miss             | 4873' -2016                                                                        | -2  | 4858' -2014                                                                         | -12 | 4843' -2004                                                                        |

### Summary

The location for the Clark #7-2 well was found via 3-D seismic survey. The new well ran structurally as expected. Three drill stem tests were conducted, one of which recovered commercial quantities of oil from the St. Louis Limestone formation. After all the gathered data had been examined, the decision was made to run 5 1/2" production casing to further evaluate the Clark #7-2 well.

### Perforations

**Primary:      St. Louis                      (4934' – 4942')                      Covered in DST #3**

Respectfully Submitted,

Kevin Timson  
American Warrior, Inc.

