

Confidentiality Requested:

Yes  No

**KANSAS CORPORATION COMMISSION 1269780**  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
November 2016  
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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

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

API No.: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1269780



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 |                              |                                  |                                 |
| Geologist Report / Mud Logs                                 | <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)*

|   |  |         |             |               |         |
|---|--|---------|-------------|---------------|---------|
| Date of first Production/Injection or Resumed Production/Injection: | Producing Method:<br><input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ |         |             |               |         |
| Estimated Production Per 24 Hours                                   | Oil Bbls.  | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |

|   |   |  |
|---|---|--|
| 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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> | PRODUCTION INTERVAL:<br>Top _____ Bottom _____ |
|---|---|--|

| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record<br><i>(Amount and Kind of Material Used)</i> |
|----------------|-----------------|--------------------|------------------|--------------------|---|
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |

|                |       |         |            |
|----------------|-------|---------|------------|
| TUBING RECORD: | Size: | Set At: | Packer At: |
|----------------|-------|---------|------------|

|           |                        |
|-----------|------------------------|
| Form      | ACO1 - Well Completion |
| Operator  | American Warrior, Inc. |
| Well Name | Meyers 3-9             |
| Doc ID    | 1269780                |

All Electric Logs Run

|           |
|-----------|
|           |
| Induction |
| Porosity  |
| Micro     |
| Sonic     |

|           |                        |
|-----------|------------------------|
| Form      | ACO1 - Well Completion |
| Operator  | American Warrior, Inc. |
| Well Name | Meyers 3-9             |
| Doc ID    | 1269780                |

Tops

| Name     | Top  | Datum |
|----------|------|-------|
| Anhy     | 1554 | +1236 |
| B/Anhy   | 1629 | +1161 |
| Heebner  | 4288 | -1498 |
| Lansing  | 4426 | -1636 |
| B/KC     | 5035 | -2245 |
| Marmaton | 5058 | -2268 |
| Chrokee  | 5246 | -2556 |
| Morrow   | 5570 | -2780 |
| Chester  | 5686 | -2896 |
| St.Gen   | 5869 | -3079 |
| St.Louis | 5999 | -3209 |





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

TICKET 28691

PAGE 1 OF 2

SERVICE LOCATIONS  
 1. **NESS CITY, KS** WELL/PROJECT NO. **MEYERS 3-9** COUNTY/PARISH **SEWARD** STATE **KS.** CITY **KISMET, KS.** DATE **15 July 15** OWNER  
 2. TICKET TYPE  SERVICE  SALES CONTRACTOR **DUKE DRILLING RIG #5** RIG NAME/NO. SHIPPED VIA DELIVERED TO ORDER NO.  
 3. WELL TYPE **OIL** WELL CATEGORY **DEVELOPMENT** JOB PURPOSE **52 LONGSTRING** WELL PERMIT NO. WELL LOCATION **1/4 SW, W. T. 20**  
 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               | 120  |  | ML  |  | 5.00       | 600.00  |
| 579             |                                     |            |      |    | Pump CHARGE                 |      |  |     |  | 1700.00    | 1700.00 |
| 403             |                                     |            |      |    | CEMENT BASKETS              | 3    |  | EA. |  | 250.00     | 750.00  |
| 407             |                                     |            |      |    | INSERT FLOAT SHOE W/FILL    | 1    |  | EA. |  | 300.00     | 300.00  |
| 408             |                                     |            |      |    | DV TOOL & PLUG SET.         | 1    |  | EA. |  | 3250.00    | 3250.00 |
| 409             |                                     |            |      |    | TURBOLIZERS                 | 15   |  | EA. |  | 75.00      | 1125.00 |
| 417             |                                     |            |      |    | DV LATCH DOWN PLUG & BAFFLE | 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

X *Kenneth M. Gue*  
 DATE SIGNED **16 July 15** TIME SIGNED **0500**  A.M.  P.M.

REMIT PAYMENT TO:

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

| SURVEY  | AGREE | UN-DECIDED | DIS-AGREE |                         |
|---|-------|------------|-----------|-------------------------|
| OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  |       |            |           | PAGE TOTAL 1 7925.00    |
| WE UNDERSTOOD AND MET YOUR NEEDS?   |       |            |           | 2 9265.25               |
| OUR SERVICE WAS PERFORMED WITHOUT DELAY?  |       |            |           | subtotal 17,190.25      |
| WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?                        |       |            |           | Seward TAX 7.75% 980.32 |
| ARE YOU SATISFIED WITH OUR SERVICE?<br><input type="checkbox"/> YES <input type="checkbox"/> NO |       |            |           | TOTAL 18,170.57         |
| <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 *J. E. Ratoff* APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 28691

CUSTOMER AMERICAN WARRIOR WELL MEYERS 3-9 DATE 15 July 15 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        | 100   | lbs          |     |              | 2 <sup>25</sup>  | 225 <sup>00</sup>  |
| 290             |                                     |            |      |    |      | D-AIR          | 4     | gal          |     |              | 42 <sup>00</sup> | 168 <sup>00</sup>  |
| 231             |                                     |            |      |    |      | MUD FLUSH      | 500   | gal          |     |              | 1 <sup>25</sup>  | 625 <sup>00</sup>  |
| 221             |                                     |            |      |    |      | LIQUID KCL     | 4     | gal          |     |              | 25 <sup>00</sup> | 100 <sup>00</sup>  |
| 330             |                                     |            |      |    |      | SMD CEMENT     | 375   | sx           |     |              | 15 <sup>75</sup> | 5906 <sup>25</sup> |
| 581             |                                     |            |      |    |      | SERVICE CHARGE |       |              |     |              | 1 <sup>50</sup>  | 562 <sup>50</sup>  |
| 583             |                                     |            |      |    |      | MILEAGE CHARGE | 37300 | TOTAL WEIGHT | 120 | LOADED MILES | 2238.0           | 1678 <sup>50</sup> |

CONTINUATION TOTAL 9265<sup>25</sup>

JOB LOG

SWIFT Services, Inc.

DATE 15 July 15 PAGE NO.

CUSTOMER AMERICAN WARRIOR WELL NO. LEASE MEYERS 3-9 JOB TYPE 5 1/2 LONGSTRING TICKET NO. 28691

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS |   | PRESSURE (PSI) |        | DESCRIPTION OF OPERATION AND MATERIALS   |
|-----------|------|------------|--------------------|-------|---|----------------|--------|--|
|           |      |            |                    | T     | C | TUBING         | CASING |  |
|           | 2030 |            |                    |       |   |                |        | ON LOCATION  |
|           | 2250 |            |                    |       |   |                |        | START PIPE 5 1/2 - 15.5 #<br>RIDE WILD SET @ 6142<br>SHOEST. 21.32<br>CENTRALIZERS 1, 2, 3, 4, 6, 8, 10, 12, 14, 16, 18,<br>20, 22, 24, 63<br>BASKETS. 7, 25, 64<br>DU TOOL @ 3464 ON # 64 |
|           | 0130 |            |                    |       |   |                |        | DROP BALL CIRCULATE  |
|           | 0216 | 6          | 12                 |       |   |                | 300    | Pump 500 gal MUD FLUSH   |
|           |      | 6          | 20                 |       |   |                | 300    | Pump 20 Bbl KCL SPACER   |
|           | 0220 | 6          | 62                 |       |   |                |        | MIX 200 SX SMD   |
|           | 0235 |            |                    |       |   |                |        | WASH OUT PUMP & LINES.   |
|           | 0238 | 6          |                    |       |   |                |        | START DISPLACING PLUG  |
|           | 0304 | Ø          | 145 1/2            |       |   |                | 1500   | PLUG DOWN - LATCHA PLUG IN.<br>RELEASE PSI - DRY   |
|           | 0309 |            |                    |       |   |                |        | DROP DU OPENING TOOL   |
|           | 0322 |            |                    |       |   |                | 1400   | OPEN DU TOOL   |
|           | 0323 | 6          | 20                 |       |   |                | 200    | Pump 20 Bbl KCL SPACER   |
|           | 0327 |            | 7.4                |       |   |                |        | PLUG RH - 30 SX, MA - 20 SX  |
|           | 0333 | 4          | 35                 |       |   |                | 150    | MIX 125 SX SMD 125 SX SMD  |
|           | 0345 |            |                    |       |   |                |        | WASH OUT PUMP & LINES  |
|           | 0348 | 6          |                    |       |   |                |        | START DISPLACING CLOSING PLUG  |
|           | 0402 | Ø          | 83                 |       |   |                | 1500   | PLUG DOWN - CLOSE DU TOOL  |
|           | 0404 |            |                    |       |   |                |        | RELEASE PSI - DRY  |
|           | 0408 |            |                    |       |   |                |        | WASH TRUCK   |
|           | 0445 |            |                    |       |   |                |        | JOB COMPLETE.  |
|           |      |            |                    |       |   |                |        | THANKS # 115   |
|           |      |            |                    |       |   |                |        | JASON COLE ISAAC   |



**CEMENTING LOG**

Date 7/1/2015 District Liberal # 21 Ticket No. 65445  
 Company American Warrior Rig Duke # 5  
 Lease Meyers Well No #39  
 County SEWARD State KS  
 Location \_\_\_\_\_  
 Field \_\_\_\_\_

Casing Data  Conductor  PTA  Squeeze  Misc.  
 Surface  Intermediate  Production  Liner  
 Size 8 5/8 Type \_\_\_\_\_ Weight 24 Collar \_\_\_\_\_

Casing Depths Top \_\_\_\_\_ Bottom 1695

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 0.0637 LIN. FT/BBL \_\_\_\_\_  
 Open Holes BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Drill Pipe BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Annulus BBLs/LIN. FT 0.0735 LIN. FT/BBL 13.6037  
 BBLs/LIN. FT \_\_\_\_\_ LIN. FT/BBL \_\_\_\_\_  
 Perforations From \_\_\_\_\_ ft to \_\_\_\_\_ ft Amt \_\_\_\_\_

CEMENT DATA

Spacer Type 5 bbl water  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 LEAD: Time \_\_\_\_\_ hrs. Type CLASS A  
65/35, 6%GEL, 3%CC, 1/4FLOSEAL Excess \_\_\_\_\_  
 Amt. 700 Sks Yield 2 ft<sup>3</sup>/sk Density 12.46 PPG  
 TAIL: Time \_\_\_\_\_ hrs. Type CLASS A  
3%cc,, 1/4 floseal Excess \_\_\_\_\_  
 Amt. 200 Sks Yield 1.2 ft<sup>3</sup>/sk Density 15.63 PPG  
 WATER Lead 10.9 Gal/sk Tail 5.2 Gal/sk Total \_\_\_\_\_ BBLs

Pump Trucks Used: 531-541  
 Bulk Equipment 994-642  
868-774

Float Equipment: Manufacturer WEATHERFORD  
 Shoe: Type GUIDE SHOE Depth 1695  
 Float: Type AFU Insert Valve Depth 1652.84  
 Centralizers: Quantity 3 Plugs Top 1 Bottom \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equipment Cement Basket @ 1054' ft  
 Disp: Fluid Type H2O Amt 105 bbls Weight 8.34 PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_

COMPANY REPRESENTATIVE \_\_\_\_\_ CEMENTER CESAR PAVIA

| TIME   | PRESSURES PSI     |         | FLUID PUMPED DATA |                        |               | REMARKS   |
|--------|-------------------|---------|-------------------|------------------------|---------------|---|
|        | DRILL PIPE CASING | ANNULUS | TOTAL FLUID       | PUMPED PER TIME PERIOD | RATE BBLs/MIN |   |
| 800AM  |                   |         |                   |                        |               | ARRIVE TO LOCATION – RUN FLOAT EQUIPMENT                      |
| 830AM  |                   |         |                   |                        |               | RIG UP  |
| 900AM  |                   |         |                   |                        |               | CASING ON BOTTOM  |
| 930AM  |                   |         |                   |                        |               | SAFETY MEETING  |
| 950AM  | 2000              |         |                   |                        |               | PRESSURE TEST   |
| 1005AM | 40                |         | 5                 |                        | 4             | 5 BBL WATER SPACER  |
| 1100AM | 60                |         | 254               |                        | 4             | PUMP 249 BBL OF LEAD SLURRY CEMENT                            |
| 1130AM | 80                |         | 297               |                        | 3             | PUMP 43BBL OF TAIL SLURRY CEMENT LOST CIRCULATION P/SLOW 3BPM |
| 1132AM |                   |         |                   |                        | 4             | RELEASE PLUG- START DISPLACEMENT CIRCULATION BACK             |
| 1136AM | 120               |         | 317               |                        | 4             | 20 BBL GONE   |
| 1140AM | 150               |         | 337               |                        | 4             | 40 BBL GONE   |
| 1145AM | 420               |         | 357               |                        | 4             | 60BBLGONE   |
| 1150AM | 500               |         | 377               |                        | 4             | 80 BBL GONE CEMENT CIRCULATE                                  |
| 1159AM | 460               |         | 397               |                        | 2             | 93 BBL GONE STOP PUMPING FOR 7 MIN CEMENT DROP.               |
| 1206PM | 680               |         | 402               |                        | 1             | STAR PUMP 5 BBL MORE AND STOP PUMPING 98 BBL GONE AND WE      |
|        | 1000              |         |                   |                        | 1             | WAIT 10 MIN MORE AND THE CEMENT DROP LITTLE BIT               |
| 1216PM | 880               |         |                   |                        | 1             | STAR PUMP 7 BBL TO COMPLITE THE DISPLACEMENT 105 BBL TOTAL    |
| 1233PM | 1380              |         |                   |                        |               | BUMP THE PLUG   |
| 1238PM |                   |         |                   |                        |               | COMPANY MAN DECIDE LIVE 500 PSI ON CASING AND LIVE THE        |
|        |                   |         |                   |                        |               | CEMENT HEAD   |
| 1240PM |                   |         |                   |                        |               | WAIT 30 MIN MORE AND STAY LOKING IF THE CEMENT DROP           |
| 110PM  |                   |         |                   |                        |               | CEMENT SET UP AND THE JOB IS OK                               |
|        |                   |         |                   |                        |               |   |
|        |                   |         |                   |                        |               | DENSOMETER DO NOT WORK RIGHT A WE USE MUD SCALE               |
| 130PM  |                   |         |                   |                        |               | RIG DOWN  |
| 200PM  |                   |         |                   |                        |               | LEAVE LOCATION  |
|        |                   |         |                   |                        |               | 25 BBL OF CEMENT BACK   |

FINAL DISP. PRESS. 880 PSI BUMP PLUG TO 1380 PSI BLEEDBACK 0.5 BBLs THANK YOU



## DRILL STEM TEST REPORT

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

PO Box 399  
Garden City, KS 67846

ATTN: Luke Thompson

### **Meyers #3-9**

#### **9-33s-31w Seward,KS**

Start Date: 2015.07.08 @ 15:07:29

End Date: 2015.07.09 @ 03:00:44

Job Ticket #: 59807                      DST #: 1

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

Printed: 2015.07.15 @ 16:03:19



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.

**9-33s-31w Seward,KS**

PO Box 399  
Garden City, KS 67846

**Meyers #3-9**

Job Ticket: 59807

**DST#: 1**

ATTN: Luke Thompson

Test Start: 2015.07.08 @ 15:07:29

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:18:44

Time Test Ended: 03:00:44

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 53

**Interval: 4990.00 ft (KB) To 5200.00 ft (KB) (TVD)**

Reference Elevations: 2790.00 ft (KB)

Total Depth: 5200.00 ft (KB) (TVD)

2779.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8931**

**Inside**

Press@RunDepth: 409.27 psig @ 4991.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.08

End Date:

2015.07.09

Last Calib.:

2015.07.09

Start Time:

15:07:34

End Time:

03:00:44

Time On Btm:

2015.07.08 @ 19:17:14

Time Off Btm:

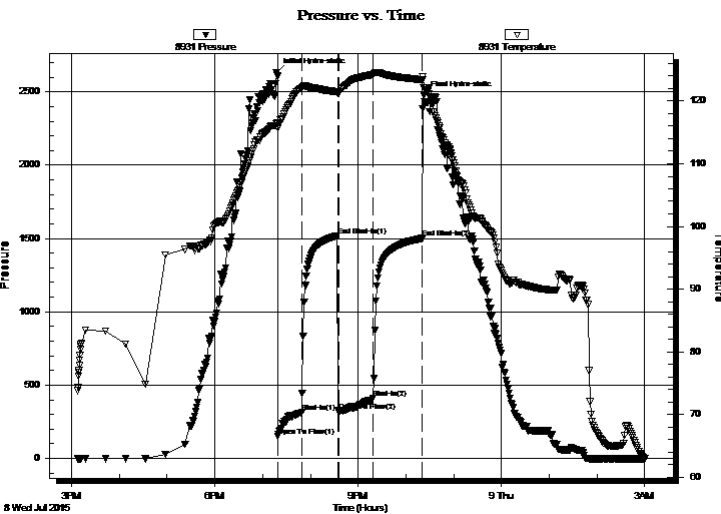
2015.07.08 @ 22:22:14

TEST COMMENT: IF: Fair - Strong blow . B.O.B. in 19 mins.

IS: No blow .

FF: Fair - Strong blow . Surf., - 10 1/2".

FS: No blow .



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2632.74         | 116.44       | Initial Hydro-static |
| 2           | 153.04          | 115.69       | Open To Flow (1)     |
| 32          | 314.14          | 122.05       | Shut-In(1)           |
| 77          | 1517.73         | 121.47       | End Shut-In(1)       |
| 78          | 321.22          | 121.25       | Open To Flow (2)     |
| 122         | 409.27          | 124.23       | Shut-In(2)           |
| 184         | 1501.23         | 123.35       | End Shut-In(2)       |
| 185         | 2477.17         | 122.15       | Final Hydro-static   |

## Recovery

| Length (ft) | Description                 | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 60.00       | Trc Oil GWCM 2%g 8%w 90%m   | 0.30         |
| 60.00       | Trc Oil GM 10%g 90%m        | 0.30         |
| 60.00       | Trc Oil GWCM 5%g 15%w 80%m  | 0.30         |
| 60.00       | Slt Oil GWCM 10%g 25%w 65%m | 0.30         |
| 61.00       | Slt Oil GWCM 10%g 10%w 80%m | 0.57         |
| 62.00       | OGCM 1%o 19%g 79%m          | 0.87         |

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc.

**9-33s-31w Seward,KS**

PO Box 399  
Garden City, KS 67846

**Meyers #3-9**

Job Ticket: 59807

**DST#: 1**

ATTN: Luke Thompson

Test Start: 2015.07.08 @ 15:07:29

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 4706.00 ft | Diameter: 3.80 inches | Volume: 66.01 bbl              | Tool Weight: 2400.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 28000.00 lb  |
| Drill Collar:             | Length: 271.00 ft  | Diameter: 2.25 inches | Volume: 1.33 bbl               | Weight to Pull Loose: 95000.00 lb  |
|                           |                    |                       | <u>Total Volume: 67.34 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 15.00 ft           |                       |                                | String Weight: Initial 90000.00 lb |
| Depth to Top Packer:      | 4990.00 ft         |                       |                                | Final 92000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 210.00 ft          |                       |                                |                                    |
| Tool Length:              | 238.00 ft          |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments: Shale Packer is in tool. Requested and replaced bottom packer.

| Tool Description          | Length (ft)   | Serial No. | Position | Depth (ft) | Accum. Lengths                 |
|---------------------------|---------------|------------|----------|------------|--------------------------------|
| Change Over Sub           | 1.00          |            |          | 4963.00    |                                |
| Shut In Tool              | 5.00          |            |          | 4968.00    |                                |
| Hydraulic tool            | 5.00          |            |          | 4973.00    |                                |
| Jars                      | 5.00          |            |          | 4978.00    |                                |
| Safety Joint              | 3.00          |            |          | 4981.00    |                                |
| Packer                    | 5.00          |            |          | 4986.00    | 28.00 Bottom Of Top Packer     |
| Packer                    | 4.00          |            |          | 4990.00    |                                |
| Stubb                     | 1.00          |            |          | 4991.00    |                                |
| Recorder                  | 0.00          | 8931       | Inside   | 4991.00    |                                |
| Recorder                  | 0.00          | 8671       | Outside  | 4991.00    |                                |
| Perforations              | 5.00          |            |          | 4996.00    |                                |
| Change Over Sub           | 1.00          |            |          | 4997.00    |                                |
| Drill Pipe                | 188.00        |            |          | 5185.00    |                                |
| Change Over Sub           | 1.00          |            |          | 5186.00    |                                |
| Perforations              | 11.00         |            |          | 5197.00    |                                |
| Bullnose                  | 3.00          |            |          | 5200.00    | 210.00 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>238.00</b> |            |          |            |                                |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.

**9-33s-31w Seward,KS**

PO Box 399  
Garden City, KS 67846

**Meyers #3-9**

Job Ticket: 59807

**DST#: 1**

ATTN: Luke Thompson

Test Start: 2015.07.08 @ 15:07:29

## 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:

16000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.16 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description                  | Volume<br>bbbl |
|--------------|------------------------------|----------------|
| 60.00        | Trc Oil GWCM 2%g 8%w 90%m    | 0.295          |
| 60.00        | Trc Oil GM 10%g 90%m         | 0.295          |
| 60.00        | Trc Oil GWCM 5%g 15%w 80%m   | 0.295          |
| 60.00        | Slit Oil GWCM 10%g 25%w 65%m | 0.295          |
| 61.00        | Slit Oil GWCM 10%g 10%w 80%m | 0.573          |
| 62.00        | OGCM 1%o 19%g 79%m           | 0.870          |
| 62.00        | Slit Oil GM 5%g 95%m         | 0.870          |
| 124.00       | GM 1%g 99%m                  | 1.739          |

Total Length: 549.00 ft      Total Volume: 5.232 bbl

Num Fluid Samples: 0

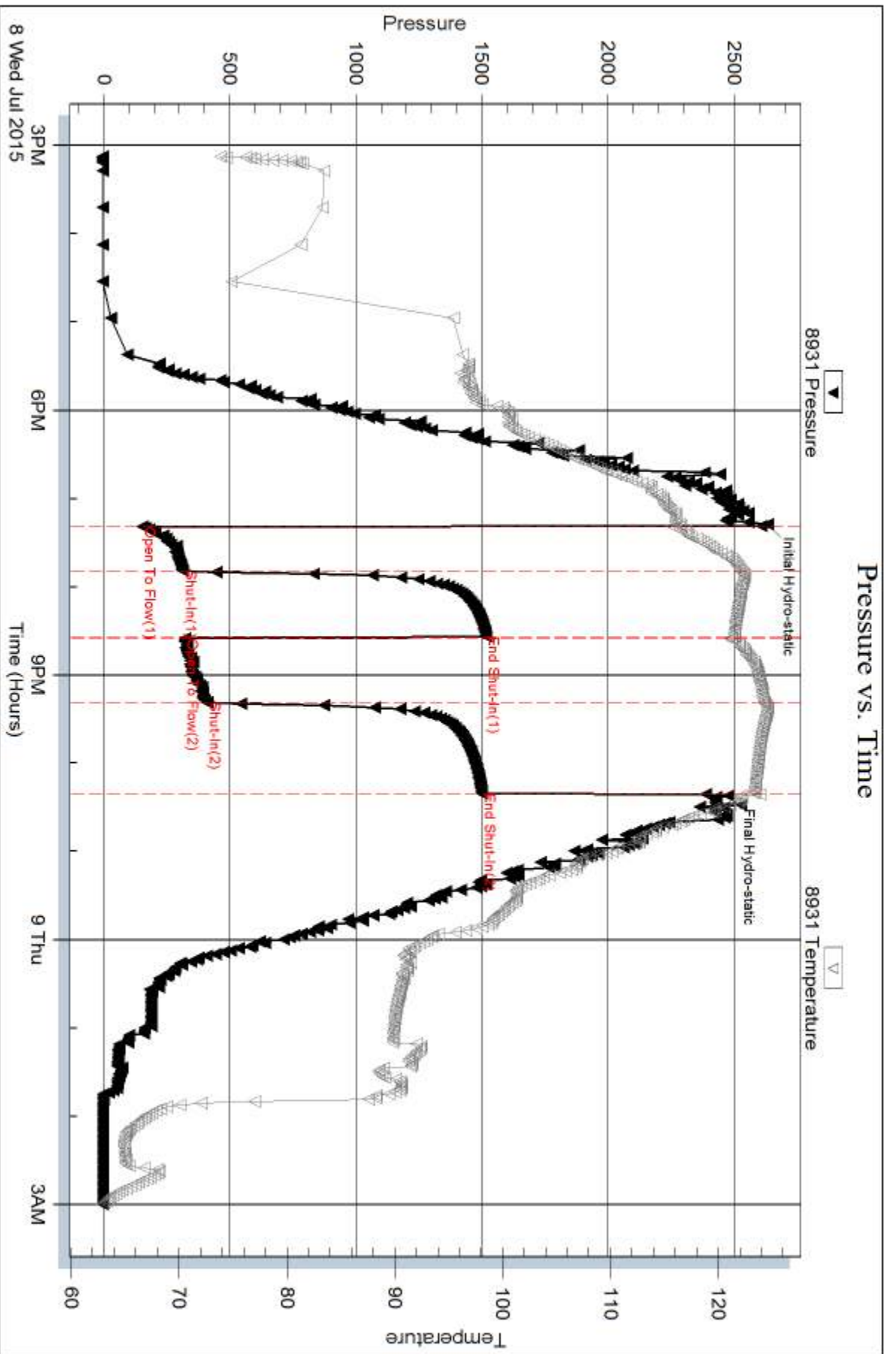
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .45 @ 66 degrees = 16,000 Chlorides.

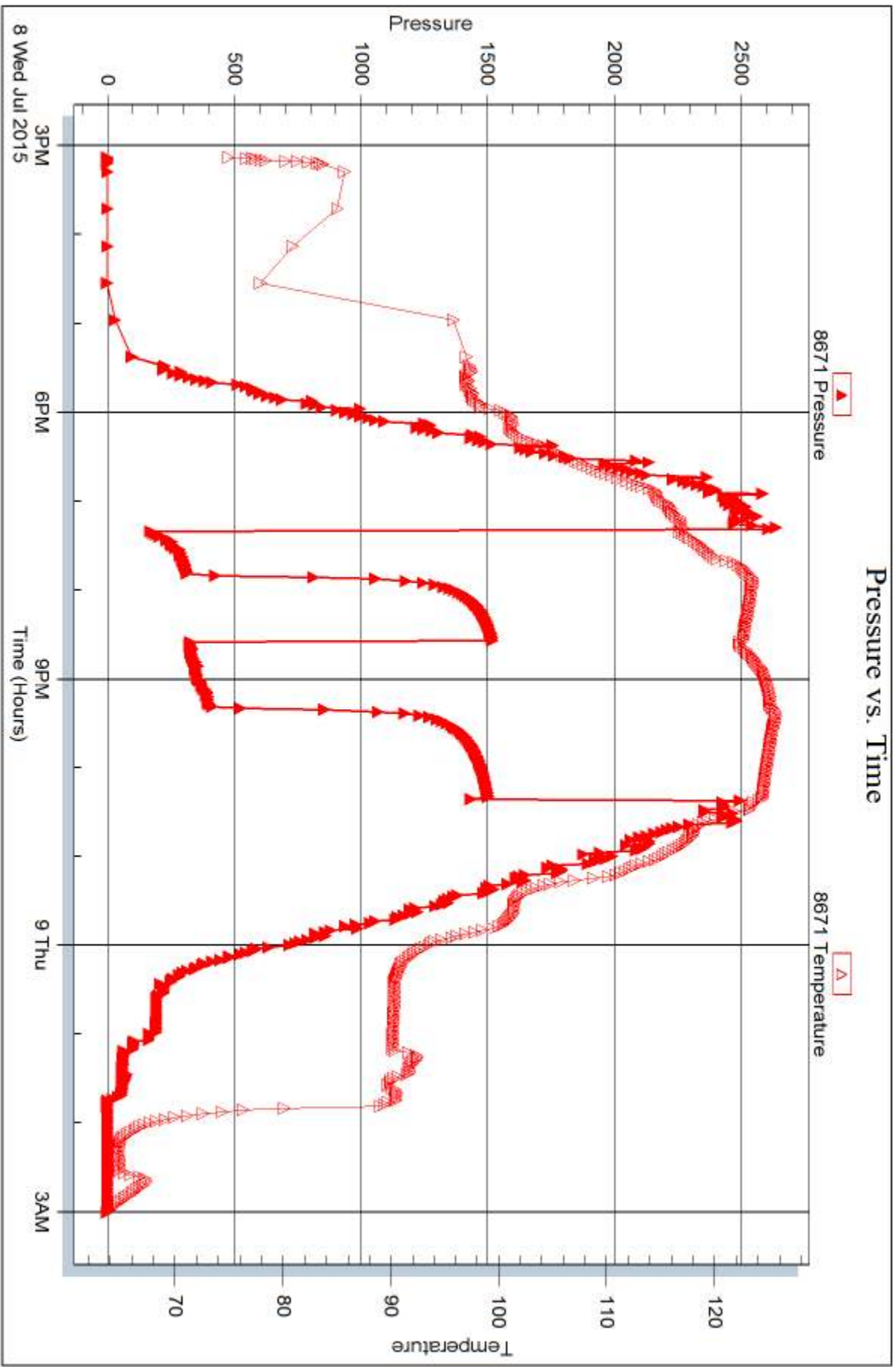


Serial #: 8671

Outside American Warrior, Inc.

Meyers #3-9

DST Test Number: 1







## DRILL STEM TEST REPORT

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

PO Box 399  
Garden City, KS 67846

ATTN: Luke Thompson

### **Meyers #3-9**

#### **9-33s-31w Seward,KS**

Start Date: 2015.07.11 @ 01:06:45

End Date: 2015.07.11 @ 13:01:00

Job Ticket #: 59808                      DST #: 2

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

Printed: 2015.07.15 @ 16:02:36



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.

**9-33s-31w Seward,KS**

PO Box 399  
Garden City, KS 67846

**Meyers #3-9**

Job Ticket: 59808

**DST#: 2**

ATTN: Luke Thompson

Test Start: 2015.07.11 @ 01:06:45

## GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:10:30

Time Test Ended: 13:01:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 53

**Interval: 5546.00 ft (KB) To 5710.00 ft (KB) (TVD)**

Reference Elevations: 2790.00 ft (KB)

Total Depth: 5710.00 ft (KB) (TVD)

2779.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8931**

**Inside**

Press@RunDepth: 171.31 psig @ 5547.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.11

End Date:

2015.07.11

Last Calib.:

2015.07.11

Start Time: 01:06:50

End Time:

13:01:00

Time On Btm:

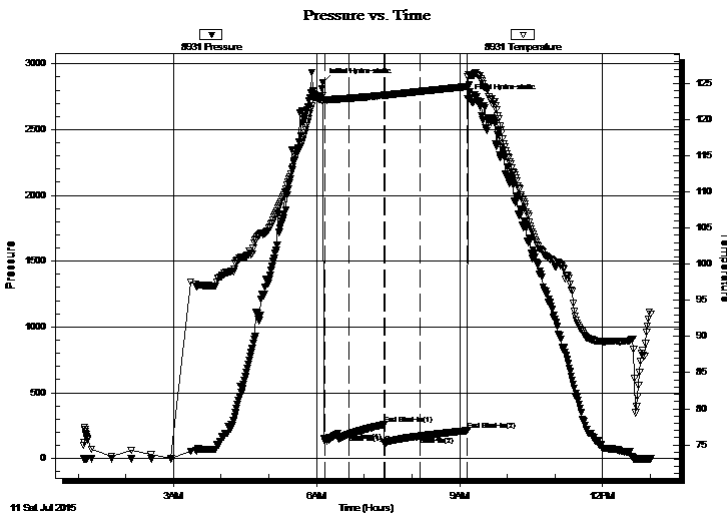
2015.07.11 @ 06:07:45

Time Off Btm:

2015.07.11 @ 09:10:15

**TEST COMMENT:** IF: Weak - Fair blow . Surf., - 5 1/2".  
IS: No blow .  
FF: Weak blow . Surf., - 3 1/2", died back to 1".  
FS: No blow .

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2857.75         | 123.37       | Initial Hydro-static |
| 3           | 129.54          | 122.78       | Open To Flow (1)     |
| 33          | 184.75          | 122.97       | Shut-In(1)           |
| 77          | 257.34          | 123.39       | End Shut-In(1)       |
| 78          | 116.85          | 123.36       | Open To Flow (2)     |
| 122         | 171.31          | 123.92       | Shut-In(2)           |
| 182         | 212.17          | 124.62       | End Shut-In(2)       |
| 183         | 2734.31         | 125.91       | Final Hydro-static   |

## Recovery

| Length (ft) | Description                | Volume (bbl) |
|-------------|----------------------------|--------------|
| 65.00       | Drig Mud 100% <sub>m</sub> | 0.32         |
|             |                            |              |
|             |                            |              |
|             |                            |              |
|             |                            |              |

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior, Inc.

9-33s-31w Seward,KS

PO Box 399  
Garden City, KS 67846

Meyers #3-9

Job Ticket: 59808

DST#: 2

ATTN: Luke Thompson

Test Start: 2015.07.11 @ 01:06:45

## GENERAL INFORMATION:

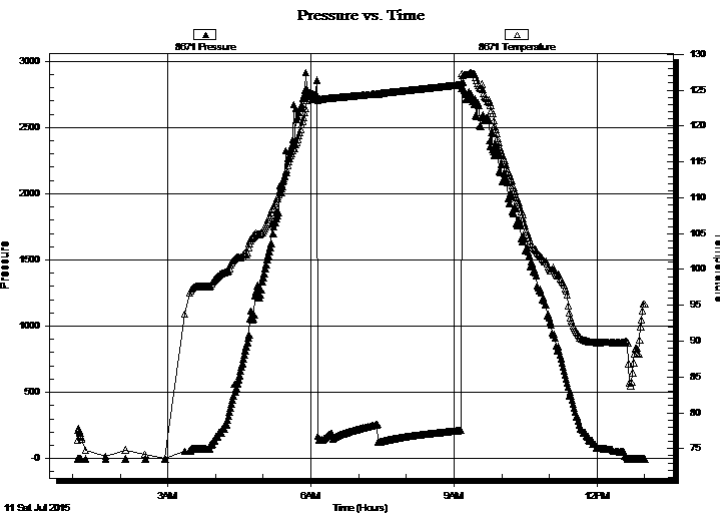
Formation: **Morrow**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 06:10:30  
 Time Test Ended: 13:01:00  
 Interval: **5546.00 ft (KB) To 5710.00 ft (KB) (TVD)**  
 Total Depth: 5710.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Matt Smith  
 Unit No: 53  
 Reference Elevations: 2790.00 ft (KB)  
 2779.00 ft (CF)  
 KB to GR/CF: 11.00 ft

## Serial #: 8671

Outside

Press@RunDepth: psig @ 5547.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.07.11 End Date: 2015.07.11 Last Calib.: 2015.07.11  
 Start Time: 01:06:22 End Time: 13:00:47 Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF: Weak - Fair blow . Surf., - 5 1/2".  
 IS: No blow .  
 FF: Weak blow . Surf., - 3 1/2", died back to 1".  
 FS: No blow .



## PRESSURE SUMMARY

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

## Recovery

| Length (ft) | Description    | Volume (bbl) |
|-------------|----------------|--------------|
| 65.00       | Drig Mud 100%m | 0.32         |
|             |                |              |
|             |                |              |
|             |                |              |
|             |                |              |

\* 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.

**9-33s-31w Seward,KS**

PO Box 399  
Garden City, KS 67846

**Meyers #3-9**

Job Ticket: 59808

**DST#: 2**

ATTN: Luke Thompson

Test Start: 2015.07.11 @ 01:06:45

## Tool Information

|                           |                    |                       |                                |                        |             |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe:               | Length: 5270.00 ft | Diameter: 3.80 inches | Volume: 73.92 bbl              | Tool Weight:           | 2400.00 lb  |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer:  | 28000.00 lb |
| Drill Collar:             | Length: 271.00 ft  | Diameter: 2.25 inches | Volume: 1.33 bbl               | Weight to Pull Loose:  | 96000.00 lb |
|                           |                    |                       | <u>Total Volume: 75.25 bbl</u> | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 23.00 ft           |                       |                                | String Weight: Initial | 92000.00 lb |
| Depth to Top Packer:      | 5546.00 ft         |                       |                                | Final                  | 92000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                                |                        |             |
| Interval between Packers: | 164.00 ft          |                       |                                |                        |             |
| Tool Length:              | 192.00 ft          |                       |                                |                        |             |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                        |             |

Tool Comments: Shale Packer is in tool string. Requested in place of bottom packer.

| Tool Description          | Length (ft)   | Serial No. | Position | Depth (ft) | Accum. Lengths                 |
|---------------------------|---------------|------------|----------|------------|--------------------------------|
| Change Over Sub           | 1.00          |            |          | 5519.00    |                                |
| Shut In Tool              | 5.00          |            |          | 5524.00    |                                |
| Hydraulic tool            | 5.00          |            |          | 5529.00    |                                |
| Jars                      | 5.00          |            |          | 5534.00    |                                |
| Safety Joint              | 3.00          |            |          | 5537.00    |                                |
| Packer                    | 5.00          |            |          | 5542.00    | 28.00 Bottom Of Top Packer     |
| Packer                    | 4.00          |            |          | 5546.00    |                                |
| Stubb                     | 1.00          |            |          | 5547.00    |                                |
| Recorder                  | 0.00          | 8931       | Inside   | 5547.00    |                                |
| Recorder                  | 0.00          | 8671       | Outside  | 5547.00    |                                |
| Perforations              | 5.00          |            |          | 5552.00    |                                |
| Change Over Sub           | 1.00          |            |          | 5553.00    |                                |
| Drill Pipe                | 125.00        |            |          | 5678.00    |                                |
| Change Over Sub           | 1.00          |            |          | 5679.00    |                                |
| Perforations              | 28.00         |            |          | 5707.00    |                                |
| Bullnose                  | 3.00          |            |          | 5710.00    | 164.00 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>192.00</b> |            |          |            |                                |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.

**9-33s-31w Seward,KS**

PO Box 399  
Garden City, KS 67846

**Meyers #3-9**

Job Ticket: 59808

**DST#: 2**

ATTN: Luke Thompson

Test Start: 2015.07.11 @ 01:06:45

## 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:

3200 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description    | Volume<br>bbl |
|--------------|----------------|---------------|
| 65.00        | Drig Mud 100%m | 0.320         |

Total Length: 65.00 ft      Total Volume: 0.320 bbl

Num Fluid Samples: 0

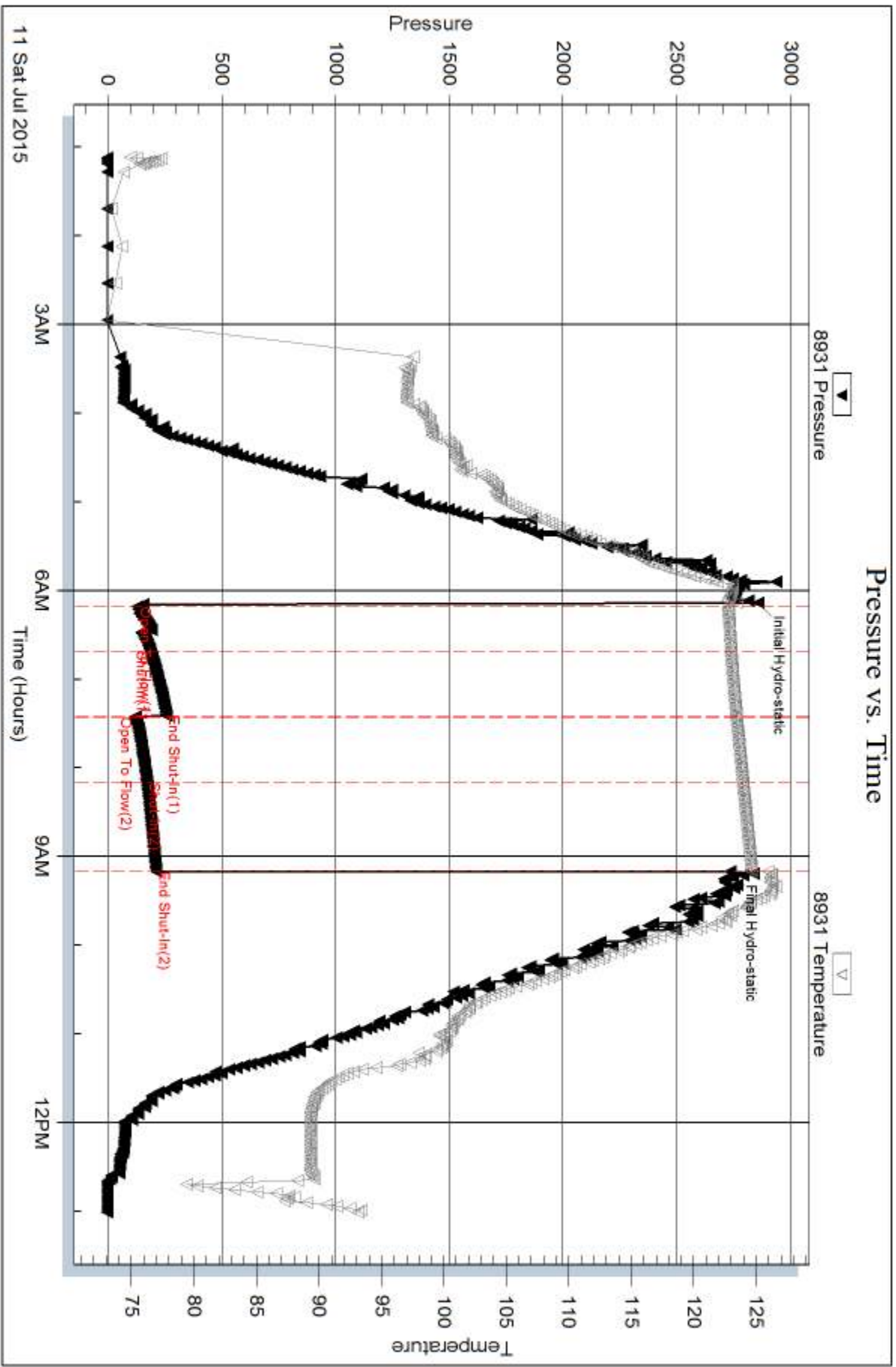
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

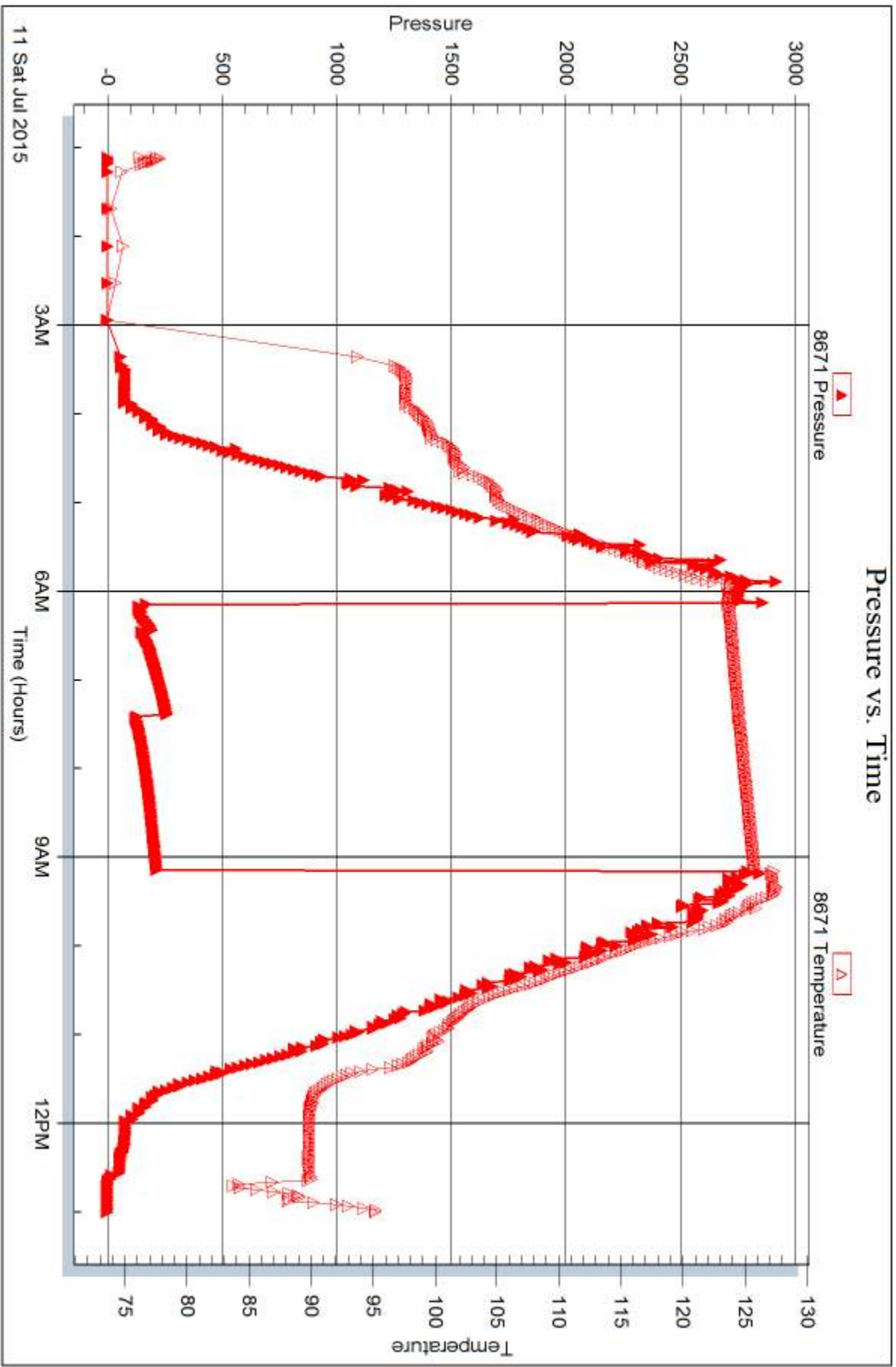


Serial #: 8671

Outside American Warrior, Inc.

Meyers #3-9

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 59808

Printed: 2015.07.15 @ 16:02:52



## DRILL STEM TEST REPORT

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

PO Box 399  
Garden City, KS 67846

ATTN: Luke Thompson

### **Meyers #3-9**

#### **9-33s-31w Seward,KS**

Start Date: 2015.07.12 @ 14:24:05

End Date: 2015.07.12 @ 22:43:05

Job Ticket #: 59809                      DST #: 3

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

Printed: 2015.07.15 @ 16:01:47





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.

**9-33s-31w Seward,KS**

PO Box 399  
Garden City, KS 67846

**Meyers #3-9**

Job Ticket: 59809

**DST#: 3**

ATTN: Luke Thompson

Test Start: 2015.07.12 @ 14:24:05

## GENERAL INFORMATION:

Formation: **Chester**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:43:50

Time Test Ended: 22:43:05

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 53

**Interval: 5733.00 ft (KB) To 5873.00 ft (KB) (TVD)**

Reference Elevations: 2790.00 ft (KB)

Total Depth: 5873.00 ft (KB) (TVD)

2779.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8931**

**Inside**

Press@RunDepth: 101.86 psig @ 5734.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.12

End Date:

2015.07.12

Last Calib.:

2015.07.12

Start Time: 14:24:10

End Time:

22:43:04

Time On Btm:

2015.07.12 @ 17:42:05

Time Off Btm:

2015.07.12 @ 19:48:05

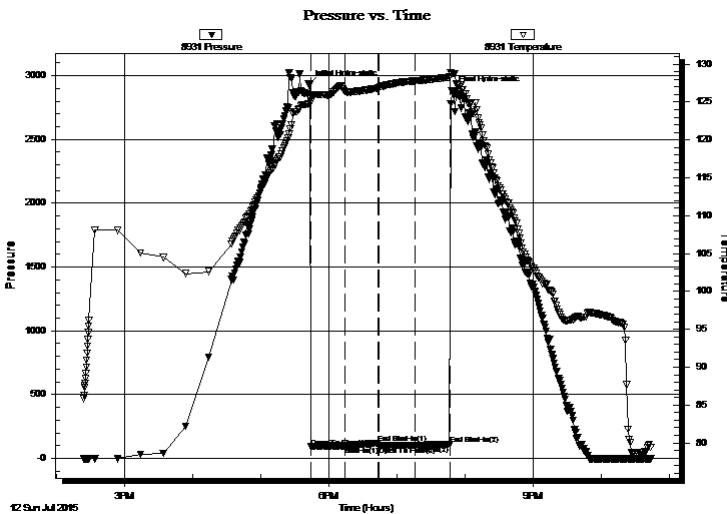
TEST COMMENT: IF: Weak blow . Surf., - 1".

IS: No blow .

FF: No blow .

FS: No blow .

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2932.69         | 124.80       | Initial Hydro-static |
| 2           | 91.13           | 124.97       | Open To Flow (1)     |
| 33          | 97.77           | 126.39       | Shut-In(1)           |
| 62          | 120.01          | 126.86       | End Shut-In(1)       |
| 63          | 99.64           | 126.96       | Open To Flow (2)     |
| 94          | 101.86          | 127.79       | Shut-In(2)           |
| 125         | 112.77          | 128.30       | End Shut-In(2)       |
| 126         | 2883.97         | 128.77       | Final Hydro-static   |

## Recovery

| Length (ft) | Description    | Volume (bbl) |
|-------------|----------------|--------------|
| 15.00       | Drig Mud 100%m | 0.07         |
|             |                |              |
|             |                |              |
|             |                |              |
|             |                |              |

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

American Warrior, Inc.

**9-33s-31w Seward, KS**

PO Box 399  
Garden City, KS 67846

**Meyers #3-9**

Job Ticket: 59809

**DST#: 3**

ATTN: Luke Thompson

Test Start: 2015.07.12 @ 14:24:05

### GENERAL INFORMATION:

Formation: **Chester**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:43:50

Time Test Ended: 22:43:05

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 53

**Interval: 5733.00 ft (KB) To 5873.00 ft (KB) (TVD)**

Reference Elevations: 2790.00 ft (KB)

Total Depth: 5873.00 ft (KB) (TVD)

2779.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8671 Outside**

Press@RunDepth: psig @ 5734.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.12

End Date: 2015.07.12

Last Calib.: 2015.07.12

Start Time: 14:24:45

End Time: 22:43:39

Time On Btm:

Time Off Btm:

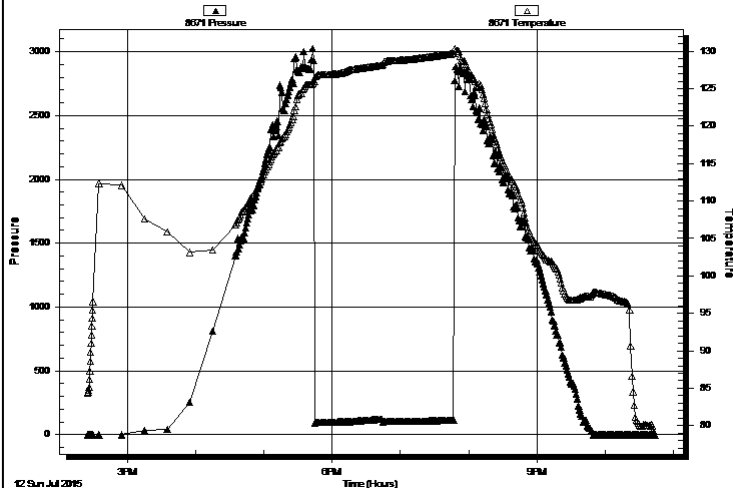
TEST COMMENT: IF: Weak blow . Surf., - 1".

IS: No blow .

FF: No blow .

FS: No blow .

Pressure vs. Time



### PRESSURE SUMMARY

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

### Recovery

| Length (ft) | Description     | Volume (bbl) |
|-------------|-----------------|--------------|
| 15.00       | Drig Mud 100% m | 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.

**9-33s-31w Seward,KS**

PO Box 399  
Garden City, KS 67846

**Meyers #3-9**

Job Ticket: 59809

**DST#: 3**

ATTN: Luke Thompson

Test Start: 2015.07.12 @ 14:24:05

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 5459.00 ft | Diameter: 3.80 inches | Volume: 76.58 bbl              | Tool Weight: 2400.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 27000.00 lb  |
| Drill Collar:             | Length: 271.00 ft  | Diameter: 2.25 inches | Volume: 1.33 bbl               | Weight to Pull Loose: 100000.0 lb  |
|                           |                    |                       | <u>Total Volume: 77.91 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 25.00 ft           |                       |                                | String Weight: Initial 97000.00 lb |
| Depth to Top Packer:      | 5733.00 ft         |                       |                                | Final 97000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 140.00 ft          |                       |                                |                                    |
| Tool Length:              | 168.00 ft          |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments: Shale Packer is in place of bottom packer.

## Tool Description

| Tool Description          | Length (ft)   | Serial No. | Position | Depth (ft) | Accum. Lengths                 |
|---------------------------|---------------|------------|----------|------------|--------------------------------|
| Change Over Sub           | 1.00          |            |          | 5706.00    |                                |
| Shut In Tool              | 5.00          |            |          | 5711.00    |                                |
| Hydraulic tool            | 5.00          |            |          | 5716.00    |                                |
| Jars                      | 5.00          |            |          | 5721.00    |                                |
| Safety Joint              | 3.00          |            |          | 5724.00    |                                |
| Packer                    | 5.00          |            |          | 5729.00    | 28.00 Bottom Of Top Packer     |
| Packer                    | 4.00          |            |          | 5733.00    |                                |
| Stubb                     | 1.00          |            |          | 5734.00    |                                |
| Recorder                  | 0.00          | 8931       | Inside   | 5734.00    |                                |
| Recorder                  | 0.00          | 8671       | Outside  | 5734.00    |                                |
| Perforations              | 2.00          |            |          | 5736.00    |                                |
| Change Over Sub           | 1.00          |            |          | 5737.00    |                                |
| Drill Pipe                | 125.00        |            |          | 5862.00    |                                |
| Change Over Sub           | 1.00          |            |          | 5863.00    |                                |
| Perforations              | 7.00          |            |          | 5870.00    |                                |
| Bullnose                  | 3.00          |            |          | 5873.00    | 140.00 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>168.00</b> |            |          |            |                                |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.

**9-33s-31w Seward,KS**

PO Box 399  
Garden City, KS 67846

**Meyers #3-9**

Job Ticket: 59809

**DST#: 3**

ATTN: Luke Thompson

Test Start: 2015.07.12 @ 14:24:05

## 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:

3500 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description    | Volume<br>bbf |
|--------------|----------------|---------------|
| 15.00        | Drig Mud 100%m | 0.074         |

Total Length: 15.00 ft      Total Volume: 0.074 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

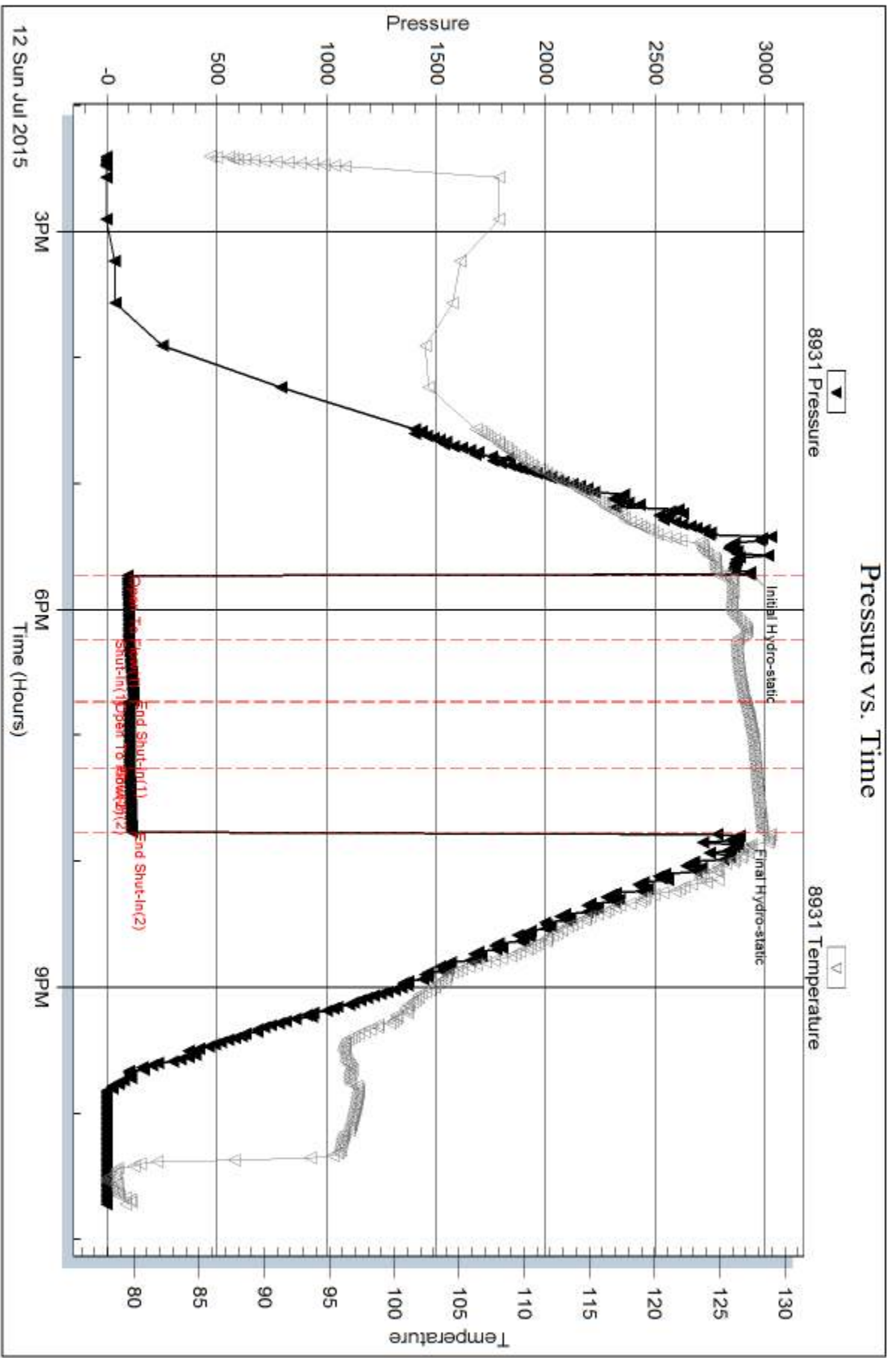
Serial #: 8931

Inside

American Warrior, Inc.

Meyers #3-9

DST Test Number: 3

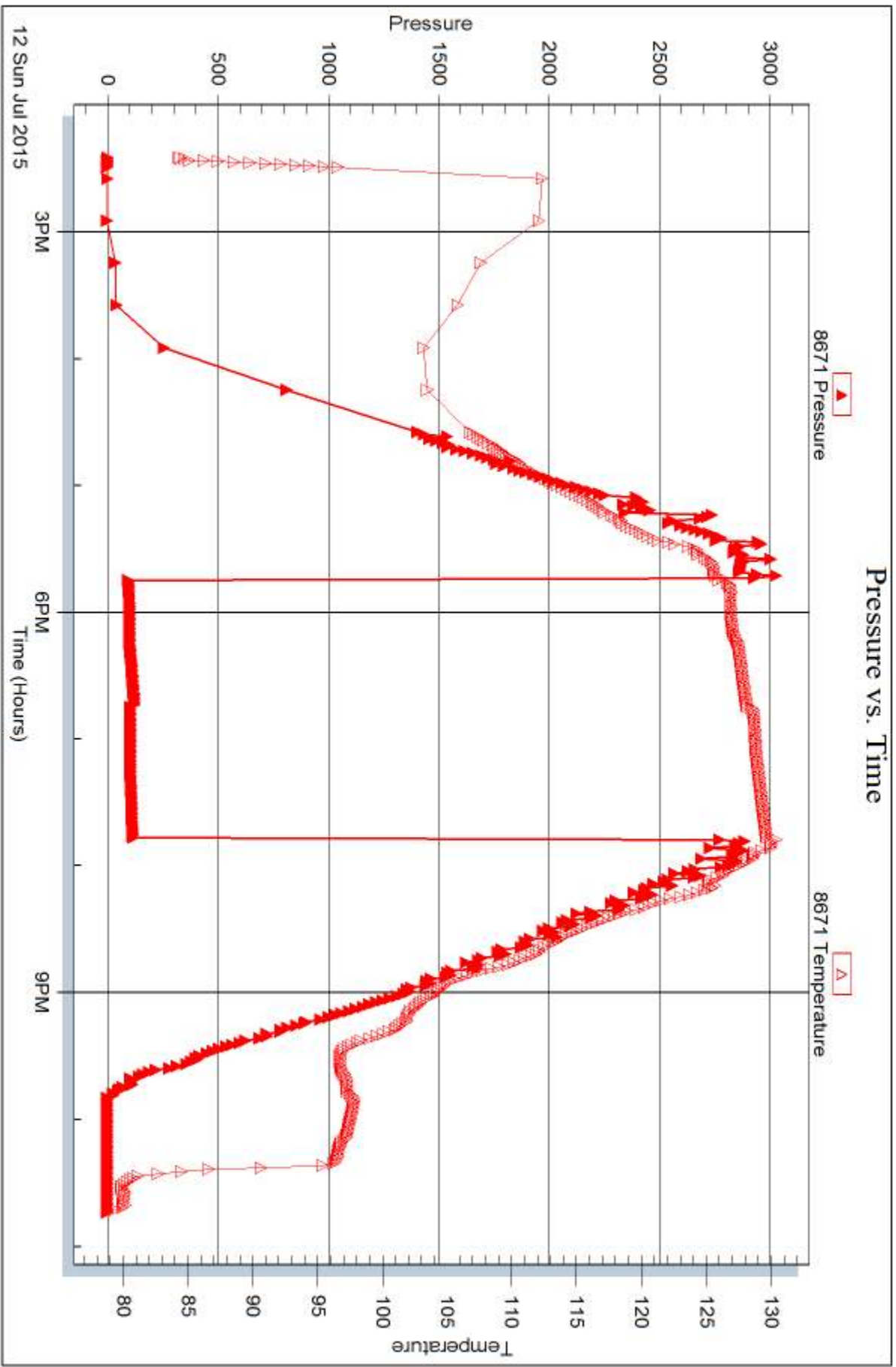


Serial #: 8671

Outside American Warrior, Inc.

Meyers #3-9

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 59809

Printed: 2015.07.15 @ 16:02:07



## DRILL STEM TEST REPORT

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

PO Box 399  
Garden City, KS 67846

ATTN: Luke Thompson

### **Meyers #3-9**

#### **9-33s-31w Seward,KS**

Start Date: 2015.07.13 @ 19:50:41

End Date: 2015.07.14 @ 05:45:26

Job Ticket #: 59810                      DST #: 4

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

Printed: 2015.07.15 @ 16:01:08



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.

**9-33s-31w Seward,KS**

PO Box 399  
Garden City, KS 67846

**Meyers #3-9**

Job Ticket: 59810

**DST#: 4**

ATTN: Luke Thompson

Test Start: 2015.07.13 @ 19:50:41

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:40:56

Time Test Ended: 05:45:26

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 53

**Interval: 5980.00 ft (KB) To 6016.00 ft (KB) (TVD)**

Reference Elevations: 2790.00 ft (KB)

Total Depth: 6016.00 ft (KB) (TVD)

2779.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8931**

**Inside**

Press@RunDepth: 73.92 psig @ 5981.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.13

End Date:

2015.07.14

Last Calib.:

2015.07.14

Start Time: 19:50:46

End Time:

05:45:26

Time On Btm:

2015.07.13 @ 23:40:41

Time Off Btm:

2015.07.14 @ 02:14:41

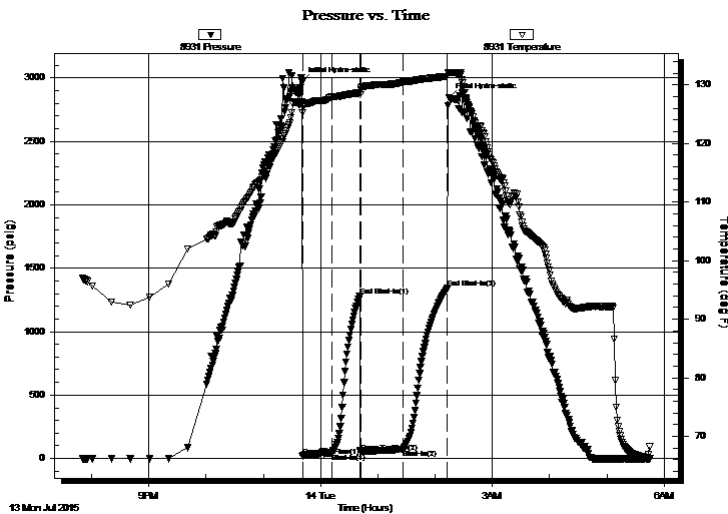
TEST COMMENT: IF: Weak blow . Surf., - 2".

IS: No blow .

FF: Weak blow . Surf., - 1 1/2".

FS: No blow .

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2968.28         | 127.04       | Initial Hydro-static |
| 1           | 19.68           | 125.26       | Open To Flow (1)     |
| 31          | 44.04           | 127.93       | Shut-In(1)           |
| 61          | 1282.11         | 128.66       | End Shut-In(1)       |
| 62          | 50.77           | 129.19       | Open To Flow (2)     |
| 106         | 73.92           | 130.47       | Shut-In(2)           |
| 153         | 1340.65         | 131.45       | End Shut-In(2)       |
| 154         | 2843.10         | 132.13       | Final Hydro-static   |

## Recovery

| Length (ft) | Description            | Volume (bbl) |
|-------------|------------------------|--------------|
| 60.00       | GOWCM 5%g 5%o 5%w 85%m | 0.30         |
| 60.00       | GOCM 1%g 4%o 95%m      | 0.30         |
| 0.00        | 212' G.I.P. 100%g      | 0.00         |
|             |                        |              |
|             |                        |              |

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.

**9-33s-31w Seward, KS**

PO Box 399  
Garden City, KS 67846

**Meyers #3-9**

Job Ticket: 59810

**DST#: 4**

ATTN: Luke Thompson

Test Start: 2015.07.13 @ 19:50:41

## GENERAL INFORMATION:

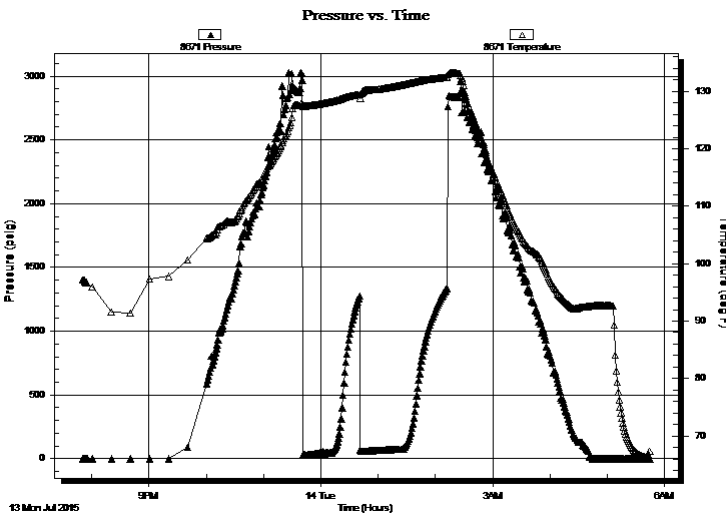
Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 23:40:56  
 Tester: Matt Smith  
 Time Test Ended: 05:45:26  
 Unit No: 53  
**Interval: 5980.00 ft (KB) To 6016.00 ft (KB) (TVD)**  
 Reference Elevations: 2790.00 ft (KB)  
 Total Depth: 6016.00 ft (KB) (TVD)  
 2779.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Fair  
 KB to GR/CF: 11.00 ft

**Serial #: 8671 Outside**

Press@RunDepth: psig @ 5981.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.07.13 End Date: 2015.07.14 Last Calib.: 2015.07.14  
 Start Time: 19:50:22 End Time: 05:45:02 Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF: Weak blow . Surf., - 2".  
 IS: No blow .  
 FF: Weak blow . Surf., - 1 1/2".  
 FS: No blow .

## PRESSURE SUMMARY



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

## Recovery

| Length (ft) | Description            | Volume (bbl) |
|-------------|------------------------|--------------|
| 60.00       | GOWCM 5%g 5%o 5%w 85%m | 0.30         |
| 60.00       | GOCM 1%g 4%o 95%m      | 0.30         |
| 0.00        | 212' G.I.P. 100%g      | 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.

**9-33s-31w Seward,KS**

PO Box 399  
Garden City, KS 67846

**Meyers #3-9**

Job Ticket: 59810

**DST#: 4**

ATTN: Luke Thompson

Test Start: 2015.07.13 @ 19:50:41

## Tool Information

|                           |                    |                       |                                |                        |             |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe:               | Length: 5709.00 ft | Diameter: 3.80 inches | Volume: 80.08 bbl              | Tool Weight:           | 2400.00 lb  |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer:  | 25000.00 lb |
| Drill Collar:             | Length: 271.00 ft  | Diameter: 2.25 inches | Volume: 1.33 bbl               | Weight to Pull Loose:  | 98000.00 lb |
|                           |                    |                       | <u>Total Volume: 81.41 bbl</u> | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 28.00 ft           |                       |                                | String Weight: Initial | 97000.00 lb |
| Depth to Top Packer:      | 5980.00 ft         |                       |                                | Final                  | 97000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                                |                        |             |
| Interval between Packers: | 36.00 ft           |                       |                                |                        |             |
| Tool Length:              | 64.00 ft           |                       |                                |                        |             |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                        |             |

Tool Comments: Shale Packer is in place of bottom packer.

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

|                 |       |      |         |         |                               |
|-----------------|-------|------|---------|---------|-------------------------------|
| Change Over Sub | 1.00  |      |         | 5953.00 |                               |
| Shut In Tool    | 5.00  |      |         | 5958.00 |                               |
| Hydraulic tool  | 5.00  |      |         | 5963.00 |                               |
| Jars            | 5.00  |      |         | 5968.00 |                               |
| Safety Joint    | 3.00  |      |         | 5971.00 |                               |
| Packer          | 5.00  |      |         | 5976.00 | 28.00 Bottom Of Top Packer    |
| Packer          | 4.00  |      |         | 5980.00 |                               |
| Stubb           | 1.00  |      |         | 5981.00 |                               |
| Recorder        | 0.00  | 8931 | Inside  | 5981.00 |                               |
| Recorder        | 0.00  | 8671 | Outside | 5981.00 |                               |
| Perforations    | 32.00 |      |         | 6013.00 |                               |
| Bullnose        | 3.00  |      |         | 6016.00 | 36.00 Bottom Packers & Anchor |

**Total Tool Length: 64.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.

**9-33s-31w Seward,KS**

PO Box 399  
Garden City, KS 67846

**Meyers #3-9**

Job Ticket: 59810

**DST#: 4**

ATTN: Luke Thompson

Test Start: 2015.07.13 @ 19:50:41

## 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:

3100 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3100.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description            | Volume<br>bbbl |
|--------------|------------------------|----------------|
| 60.00        | GOWCM 5%g 5%o 5%w 85%m | 0.295          |
| 60.00        | GOCM 1%g 4%o 95%m      | 0.295          |
| 0.00         | 212' G.I.P. 100%g      | 0.000          |

Total Length: 120.00 ft

Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

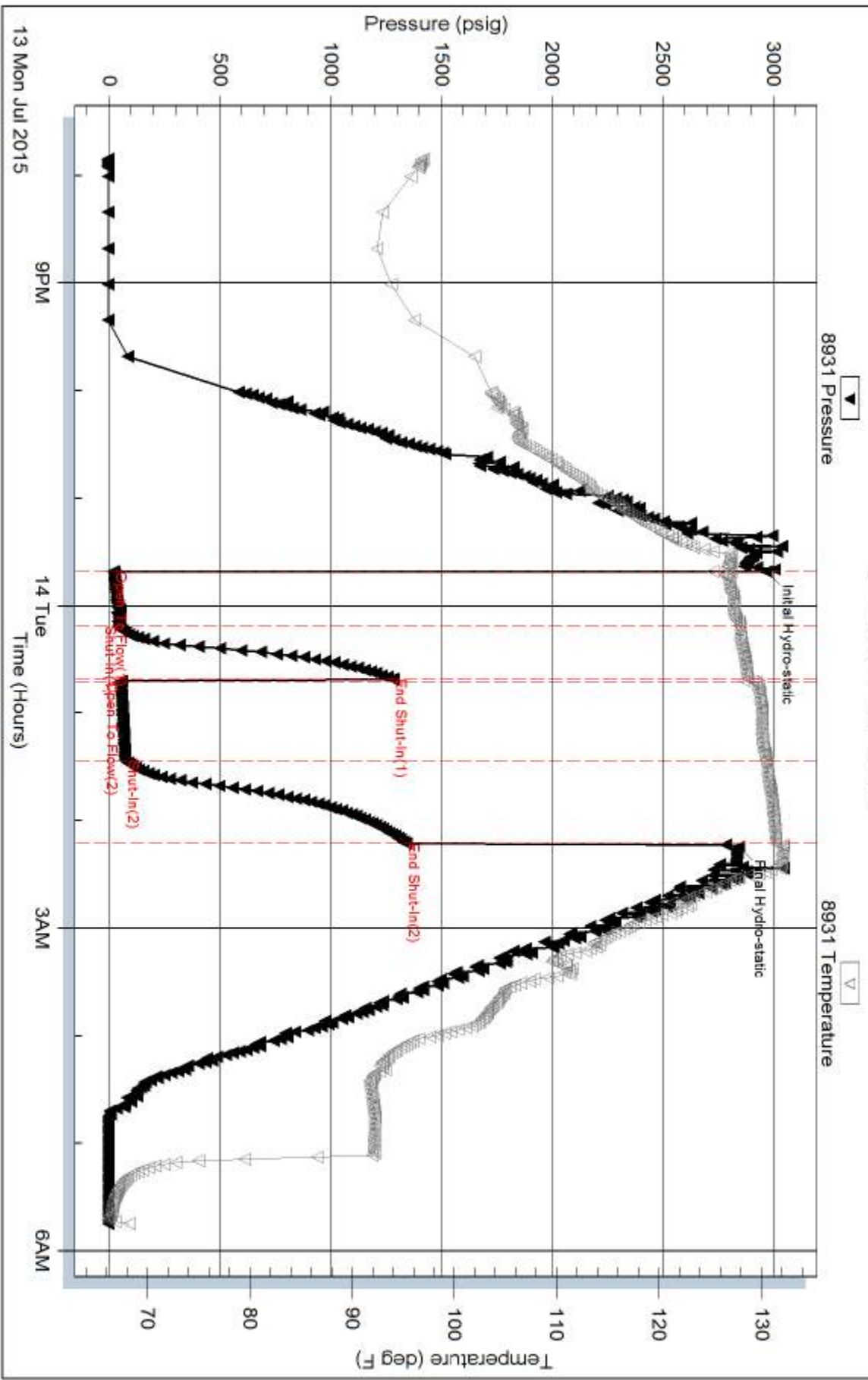
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

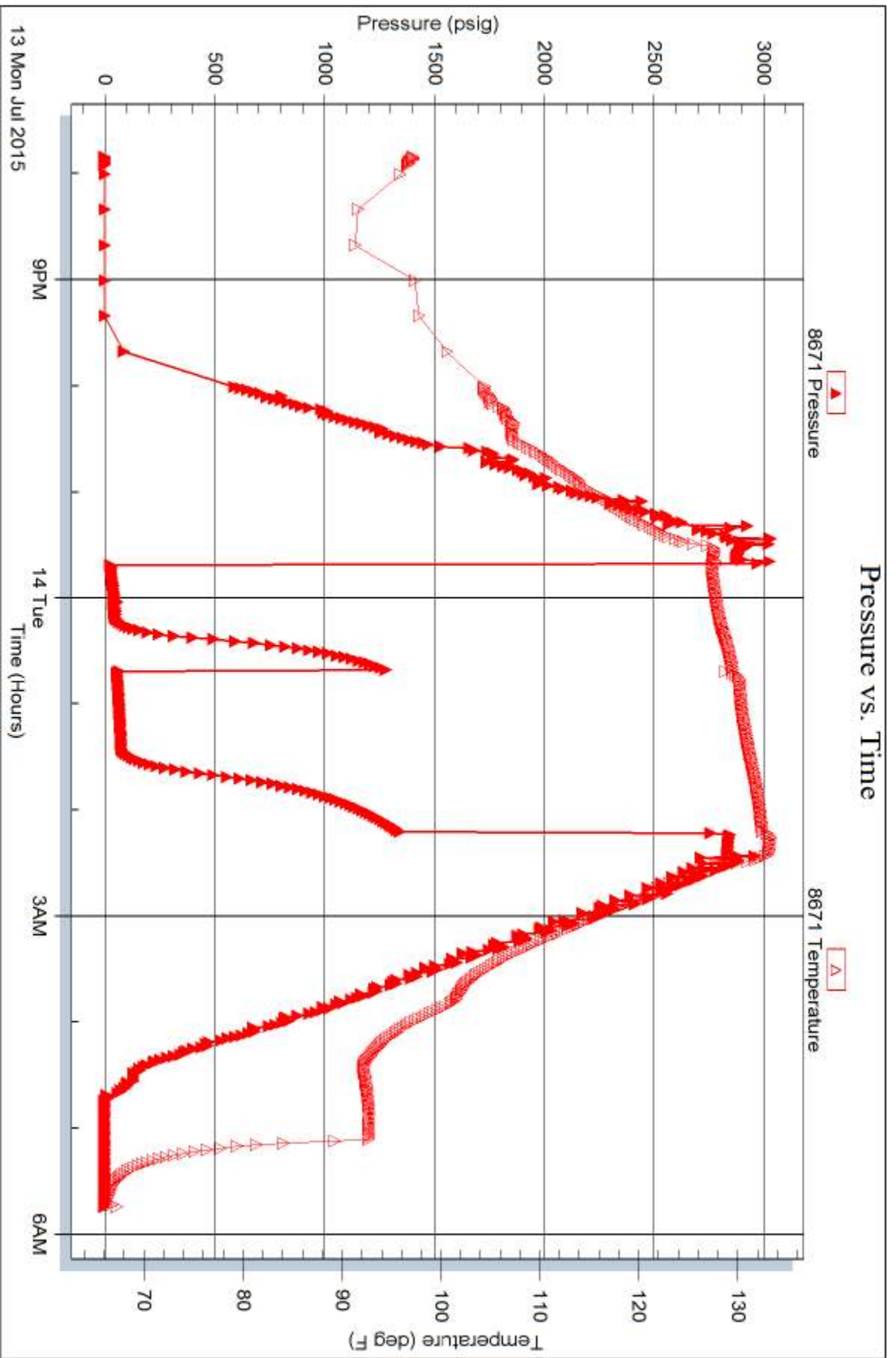


Serial #: 8671

Outside American Warrior, Inc.

Meyers #3-9

DST Test Number: 4





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59807

Well Name & No. Meyers # 3-9 Test No. #1 Date 7/8/15  
 Company American Warrior, Inc. Elevation 2790 KB 2779 GL  
 Address 3118 Cummings RD P.O. Box 399 Garden City, KS. 67846  
 Co. Rep / Geo. Luke Thompson Rig Duke Rig # 5  
 Location: Sec. 9 Twp. 33S Rge. 31W Co. Seward State KS.

Interval Tested 4990 - 5200 Zone Tested Marmaton  
 Anchor Length 210' Drill Pipe Run 4,706' Mud Wt. 9.4  
 Top Packer Depth 4985 Drill Collars Run 271' Vis 57  
 Bottom Packer Depth 4990 Wt. Pipe Run Ø WL 9.2  
 Total Depth 5200 Chlorides 3,500 ppm System LCM 5 1/2#

Blow Description IF: Fair - strong blow. B.O.B. in 19 mins.  
TSI: No blow.  
FF: Fair - Strong blow. Surf., - 10 1/2".  
FSI: No blow.

| Rec         | Feet of             | %gas      | %oil | %water    | %mud      |
|-------------|---------------------|-----------|------|-----------|-----------|
| <u>124'</u> | <u>Gm</u>           | <u>1</u>  |      |           | <u>99</u> |
| <u>124'</u> | <u>SH Oil Gm</u>    | <u>20</u> |      |           | <u>80</u> |
| <u>241'</u> | <u>SH Oil GWcm</u>  | <u>10</u> |      | <u>10</u> | <u>80</u> |
| <u>60'</u>  | <u>TRE Oil GWcm</u> | <u>2</u>  |      | <u>8</u>  | <u>90</u> |
| Rec         | Feet of             | %gas      | %oil | %water    | %mud      |

Rec Total 549' BHT 123° Gravity N.A. API RW .45 @ 66° F Chlorides 16,000 ppm

|                                     |   |  |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>2633</u> | <input checked="" type="checkbox"/> Test <u>1250</u>                      | T-On Location <u>1443</u>                    |
| (B) First Initial Flow <u>153</u>   | <input checked="" type="checkbox"/> Jars <u>250</u>                       | T-Started <u>1507</u>                        |
| (C) First Final Flow <u>314</u>     | <input checked="" type="checkbox"/> Safety Joint <u>75</u>                | T-Open <u>1918</u>                           |
| (D) Initial Shut-In <u>1518</u>     | <input type="checkbox"/> Circ Sub   | T-Pulled <u>2222</u>                         |
| (E) Second Initial Flow <u>321</u>  | <input checked="" type="checkbox"/> Hourly Standby <u>21 HR</u> <u>80</u> | T-Out <u>0300</u>                            |
| (F) Second Final Flow <u>409</u>    | <input checked="" type="checkbox"/> Mileage <u>240</u> <u>204</u>         | *Comments <u>Shale Packer.</u>               |
| (G) Final Shut-In <u>1501</u>       | <input type="checkbox"/> Sampler  |  |
| (H) Final Hydrostatic <u>2477</u>   | <input type="checkbox"/> Straddle   | <input type="checkbox"/> Ruined Shale Packer |

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 60

Shale Packer 250  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility

Sub Total 2109

Sub Total 0  
 Total 2109  
 MP/DST Disc't

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. 59808

4/10

Well Name & No. Meyers # 3-9 Test No. 2 Date 7/11/15  
 Company American Warrior, Inc. Elevation 2790 KB 2779 GL  
 Address 3118 Cummings RD P.O. Box 399 Garden City, KS. 67846  
 Co. Rep / Geo. Luke Thompson Rig Duke Rig # 5  
 Location: Sec. 9 Twp. 33S Rge. 31W Co. Seward State KS.

Interval Tested 5546 - 5710 Zone Tested Morrow  
 Anchor Length 164' Drill Pipe Run 5,270' Mud Wt. 9.3  
 Top Packer Depth 5541 Drill Collars Run 271 Vis 56  
 Bottom Packer Depth 5546 Wt. Pipe Run 2 WL 11.2  
 Total Depth 5710 Chlorides 3,200 ppm System LCM 5<sup>th</sup>

Blow Description IF: Weak - Fair blow, Surf. - 5 1/2".  
ISI: No blow,  
FF: Weak blow, Surf. - 3 1/2", died back to 1".  
FSI: No blow

| Rec       | Feet of         | %gas | %oil | %water | %mud       |
|-----------|-----------------|------|------|--------|------------|
| <u>65</u> | <u>Delg 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 65' BHT 125° Gravity N.A. API RW N.C. @ — °F Chlorides 3,200 ppm  
 (A) Initial Hydrostatic 2856  Test 1250 T-On Location 0038  
 (B) First Initial Flow 130  Jars 250 T-Started 0106  
 (C) First Final Flow 185  Safety Joint 75 T-Open 0610  
 (D) Initial Shut-In 257  Circ Sub \_\_\_\_\_ T-Pulled 0909  
 (E) Second Initial Flow 117  Hourly Standby \_\_\_\_\_ T-Out 1301  
 (F) Second Final Flow 171  Mileage 240 → 204 Comments \_\_\_\_\_  
 (G) Final Shut-In 212  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2734  Straddle \_\_\_\_\_

Initial Open 30  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 45  Ruined Packer \_\_\_\_\_  
 Final Flow 45  Extra Packer \_\_\_\_\_  
 Final Shut-In 60  Extra Recorder \_\_\_\_\_  
 Day Standby +9.5 hrs. Sub Total 316.67  
 Accessibility \_\_\_\_\_ Total 2345.67  
 Sub Total 2029 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Matthew A Smith  
 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. 59809

4/10

Well Name & No. Meyers # 3-9 Test No. 3 Date 7/12/15  
 Company American Warrior, Inc. Elevation 2790 KB 2779 GL  
 Address 3118 Cummings RD P.O. Box 399 Garden City, KS, 67846  
 Co. Rep / Geo. Luke Thompson Rig Duke Rig #5  
 Location: Sec. 9 Twp. 33s Rge. 3lw Co. Seward State KS.

Interval Tested 5733 - 5873 Zone Tested Chester  
 Anchor Length 140' Drill Pipe Run 5,459' Mud Wt. 9.4  
 Top Packer Depth 5728 Drill Collars Run 271 Vis 50  
 Bottom Packer Depth 5733 Wt. Pipe Run Ø WL 10.0  
 Total Depth 5873 Chlorides 3,500 ppm System LCM 5#

Blow Description IF: Weak blow. Surf. - 1".  
ISI: No blow.  
FF: No blow.  
FSS: No blow.

| Rec        | Feet of         | %gas | %oil | %water      | %mud |
|------------|-----------------|------|------|-------------|------|
| <u>15'</u> | <u>Delg 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 15' BHT 128 Gravity N.A. API RW N.C. @ — °F Chlorides 3500 ppm

|                                     |   |  |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>2933</u> | <input checked="" type="checkbox"/> Test <u>1250</u>                | T-On Location <u>1320</u>                    |
| (B) First Initial Flow <u>91</u>    | <input checked="" type="checkbox"/> Jars <u>250</u>                 | T-Started <u>1424</u>                        |
| (C) First Final Flow <u>98</u>      | <input checked="" type="checkbox"/> Safety Joint <u>75</u>          | T-Open <u>1743</u>                           |
| (D) Initial Shut-In <u>120</u>      | <input type="checkbox"/> Circ Sub                                   | T-Pulled <u>1948</u>                         |
| (E) Second Initial Flow <u>100</u>  | <input type="checkbox"/> Hourly Standby                             | T-Out <u>2243</u>                            |
| (F) Second Final Flow <u>102</u>    | <input checked="" type="checkbox"/> Mileage <u>240</u> → <u>204</u> | Comments                                     |
| (G) Final Shut-In <u>113</u>        | <input type="checkbox"/> Sampler                                    |  |
| (H) Final Hydrostatic <u>2884</u>   | <input type="checkbox"/> Straddle                                   | <input type="checkbox"/> Ruined Shale Packer |
| Initial Open <u>30</u>              | <input checked="" type="checkbox"/> Shale Packer <u>250</u>         | <input type="checkbox"/> Ruined Packer       |
| Initial Shut-In <u>30</u>           | <input type="checkbox"/> Extra Packer                               | <input type="checkbox"/> Extra Copies        |
| Final Flow <u>30</u>                | <input type="checkbox"/> Extra Recorder                             | Sub Total <u>0</u>                           |
| Final Shut-In <u>30</u>             | <input type="checkbox"/> Day Standby                                | Total <u>2029</u>                            |
|                                     | <input type="checkbox"/> Accessibility                              | MP/DST Disc't                                |
|                                     | Sub Total <u>2029</u>   |  |

Approved By \_\_\_\_\_ Our Representative Matthew J. Smith

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. 59810

Well Name & No. Meyers # 3-9 Test No. 4 Date 7/13/15  
 Company AMERICAN WARRIOR, Inc. Elevation 2790 KB 2779 GL  
 Address 3118 Cummings RD P.O. Box 399 Garden City, KS. 67846  
 Co. Rep / Geo. Luke Thompson Rig Duke Rig #5  
 Location: Sec. 9 Twp. 33s Rge. 3lw Co. Seward State KS.

Interval Tested 5980 - 6016 Zone Tested Mississippi  
 Anchor Length 36' Drill Pipe Run 5,709' Mud Wt. 9.2  
 Top Packer Depth 5975 Drill Collars Run 271 Vis 65  
 Bottom Packer Depth 5980 Wt. Pipe Run 2 WL 9.2  
 Total Depth 6016 Chlorides 3,100 ppm System LCM 6<sup>#</sup>

Blow Description IF! Weak blow, Surf, - 2"  
ISI! No blow!  
FF! Weak blow, Surf, - 1 1/2"  
FSI! No blow!

| Rec        | Feet of       | %gas       | %oil     | %water   | %mud      |
|------------|---------------|------------|----------|----------|-----------|
| <u>212</u> | <u>G.I.P.</u> | <u>100</u> |          |          |           |
| <u>60</u>  | <u>GOCM</u>   | <u>1</u>   | <u>4</u> |          | <u>95</u> |
| <u>60</u>  | <u>GOWCM</u>  | <u>5</u>   | <u>5</u> | <u>5</u> | <u>85</u> |
|            |               |            |          |          |           |
|            |               |            |          |          |           |

Rec Total 120' BHT 131° Gravity N.A. API RW N.C. @ — °F Chlorides 3,100 ppm

(A) Initial Hydrostatic 2968  Test 1400 T-On Location 1925  
 (B) First Initial Flow 20  Jars 250 T-Started 1950  
 (C) First Final Flow 44  Safety Joint 75 T-Open 2340  
 (D) Initial Shut-In 1282  Circ Sub \_\_\_\_\_ T-Pulled 0214  
 (E) Second Initial Flow 51  Hourly Standby \_\_\_\_\_ T-Out 0545  
 (F) Second Final Flow 74  Mileage (240) 204 Comments \_\_\_\_\_  
 (G) Final Shut-In 1341  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2843  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer 250  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 2179  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 2179

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 45  
 Final Shut-In 45

Approved By \_\_\_\_\_ Our Representative [Signature]

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# **Geological Report**

American Warrior, Inc.

**Meyers #3-9**

1112' FNL & 818' FWL

Sec 9, T33s, R31w

Seward County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Meyers #3-9  
1112' FNL & 818' FWL  
Sec. 9, T33s, R31w  
Seward County, Kansas  
API # 15-175-22239-00-00

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Luke Thompson

Spud Date: June 29, 2015

Completion Date: July 16, 2015

Elevation 2779' G.L.  
2790' K.B.

Directions: From the South side of Kismet, KS at the intersection of Hwy 54 & Rd. V – Now go 0.3 mile South on Hwy 54 to ingress stake West into Now go approx. 840' West through pasture, - Now go approx. 60' North through pasture, into staked location..

Casing: 1706' 8 5/8" #24 Surface Casing  
6142' 5 1/2" #15.5 Production Casing

Samples: 4100' to RTD 10' Wet & Dry

Drilling Time: 1500' – 1700' & 2400' – 3700' & 4050' to RTD

Electric Logs: Pioneer Energy Services "C. Christensen"  
Full Sweep

Drillstem Tests: Four-Trilobite Testing "Matt Smith"

Problems: Lost Circulation @ 680' (loss 100 bbls)

## Formation Tops

Meyers #3-9

Sec. 9, T33s, R31w

1112' FNL & 818' FWL

|                     |                    |
|---------------------|--------------------|
| <b>Anhydrite</b>    | <b>1554' +1236</b> |
| <b>Base</b>         | <b>1629 +1161</b>  |
| <b>Heebner</b>      | <b>4288' -1498</b> |
| <b>Lansing</b>      | <b>4426' -1636</b> |
| <b>BKC</b>          | <b>5035' -2245</b> |
| <b>Marmaton</b>     | <b>5058' -2268</b> |
| <b>Cherokee</b>     | <b>5246' -2456</b> |
| <b>Morrow</b>       | <b>5570' -2780</b> |
| <b>Chester Lime</b> | <b>5686' -2896</b> |
| <b>St. Gen</b>      | <b>5869' -3079</b> |
| <b>St. Louis</b>    | <b>5999' -3209</b> |
| <b>RTD</b>          | <b>6150' -3360</b> |
| <b>LTD</b>          | <b>6150' -3360</b> |
|                     |                    |

### Sample Zone Descriptions

**Marmaton** (5090' -2300; 5185' -2395): Covered in DST #1

Limestone, cream, sub crystalline, chalky, occasional fossiliferous, good odor, occasional scattered pin point vuggy porosity, scattered bright green fluorescence, fair slow string cut, good flush cut when broke. Gas 185 units hotwire.

**Morrow** (5670', -2880): Covered in DST #2

Sandstone, grey/white, fine grain, sub-round, fair sorted, well cement, no odor, no fluorescence, no cut, fair flush cut when broke. Gas 150 units hotwire.

**Chester** (5760', -2970): Covered in DST #3

Limestone, cream/white, sub crystalline, slightly chalky, dead oil stain, no odor, fair to good stain, no visible porosity, no fluorescence, slow stream cut, excellent flush cut when broke. Gas 235 units hotwire.

**St Louis**                      **(6016', -3226):**                      **Covered in DST #4**

Limestone, cream, oolitic packstone, scattered poor oolitic porosity, scattered black stain in porosity, fair to good odor, no fluorescence, fair slow stream cut. Gas 330 units hotwire.

## Drill Stem Tests

Trilobite Testing

“Matt Smith”

### DST #1

#### Marmaton

Interval (4990' – 5200') Anchor Length 210'

IHP - 2633 #

IFP - 30" – BOB in 19 min 153-314 #

ISI - 45" – no return 1518 #

FFP - 45" – 10 ½" blow 321-409 #

FSIP - 60" - no return 1501#

FHP - 2477 #

BHT - 122° F

**Recovery:** 120' tr O GWCM (5% G)

60' tr O GM (10% G)

120' sl O GWCM (10% G)

62' OGCM (1% O, 19% G)

### DST #2

#### Morrow

Interval (5546' – 5710') Anchor Length 164'

IHP - 2855 #

IFP - 30" – 5 ½" blow 130-185 #

ISI - 45" – no return 257 #

FFP - 45" – 3 ½" died back to 1" 117-171 #

FSIP - 60" - no return 212#

FHP - 2734 #

BHT - 126° F

**Recovery:** 65' M

### DST #3

#### Chester

Interval (5733' – 5873') Anchor Length 140'

IHP - 2933 #

IFP - 30" – 1" blow 91-98 #

ISI - 30" – no return 120 #

FFP - 30" – no blow 99-101#

FSIP - 30" – no return 113 #

FHP - 2884 #

BHT - 129 ° F

**Recovery:** 15' M

**DST #4**

**St. Louis**

Interval (5980' – 6016') Anchor Length 36'

IHP - 2968 #

IFP - 30" – 2" blow 20-44 #

ISI - 30" – no return 1282 #

FFP - 45" – 1 ½" blow 51-74 #

FSIP - 45" - no return 1341#

FHP - 2843 #

BHT - 132° F

**Recovery:** 212' GIP

60' GOCM (1% G, 4% O)

60' GOWCM (5% G, 5% O)

## Structural Comparison

|                  | American Warrior, Inc.<br>Meyers #3-9<br>Sec. 9, T33s, R31w<br>1112' FNL & 818' FWL |     | Saxton Petroleum Corp.<br>Meyers #1<br>Sec. 16, T33s, R31w<br>4290' FSL & 990' FEL |     | American Warrior, Inc.<br>Meyers #2 OWWO<br>Sec. 9, T33s, R31w<br>1980' FSL & 3300' FEL |
|------------------|---|-----|--|-----|---|
| <b>Formation</b> |   |     |  |     |   |
| Heebner          | 4288' -1498   | +2  | 4272' -1500  | -7  | 4272' -1491   |
| Lansing          | 4426' -1636   | +4  | 4412' -1640  | -6  | 4411' -1630   |
| BKC              | 5035' -2245   | +7  | 5024' -2252  | -4  | 5022' -2241   |
| Marmaton         | 5058' -2268   | +11 | 5051' -2279  | -6  | 5043' -2262   |
| Cherokee         | 5246' -2456   | 0   | 5228' -2456  | +3  | 5240' -2459   |
| Morrow           | 5570' -2780   | -13 | 5539' -2767  | -1  | 5560' -2779   |
| Chester Lm       | 5686' -2896   | -61 | 5607' -2835  | -31 | 5646' -2865   |
| St. Gen          | 5869' -3079   | -73 | 5778' -3006  | -25 | 5835' -3054   |
| St. Louis        | 5999' -3209   | -67 | 5914' -3142  | -34 | 5958' -3175   |

### Summary

The location for the Meyers #3-9 well was found via 3-D seismic survey. The new well ran structurally as expected. Four drill stem tests were conducted, one of which recovered commercial quantities of oil. After all the gathered data had been examined, the decision was made to run 5 ½" casing to further evaluate the Meyers #3-9 well.

### Perforations:

|                           |                  |                        |
|---------------------------|------------------|------------------------|
| <b>Primary:</b>           | <b>St. Louis</b> | <b>(6023' – 6031')</b> |
| <b>Secondary:</b>         | <b>St. Louis</b> | <b>(6005' – 6013')</b> |
|                           | <b>Marmaton</b>  | <b>(5194' – 5198')</b> |
|                           | <b>Toronto</b>   | <b>(4428' – 4434')</b> |
| <b>Before Abandonment</b> | <b>Toronto</b>   | <b>(4451' – 4457')</b> |
|                           | <b>Marmaton</b>  | <b>(5081' – 5083')</b> |

Respectfully Submitted,

Lukas Thompson (Palmer Oil, Inc.)