

#### Kansas Corporation Commission Oil & Gas Conservation Division

1132216

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

# WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

| OPERATOR: License #  | API No. 15   |  |  |  |  |
|--|--|--|--|--|--|
| Name:  | Spot Description:  |  |  |  |  |
| Address 1:   | SecTwpS. R   |  |  |  |  |
| Address 2:   | Feet from North / South Line of Section  |  |  |  |  |
| City: State: Zip:+   | Feet from East / West Line of Section  |  |  |  |  |
| Contact Person:  | Footages Calculated from Nearest Outside Section Corner:   |  |  |  |  |
| Phone: ()  | □NE □NW □SE □SW  |  |  |  |  |
| CONTRACTOR: License #  | County:  |  |  |  |  |
| Name:  | Lease Name: Well #:  |  |  |  |  |
| Wellsite Geologist:  | Field Name:  |  |  |  |  |
| Purchaser:   | Producing Formation:   |  |  |  |  |
| Designate Type of Completion:  | Elevation: Ground: Kelly Bushing:  |  |  |  |  |
| New Well Re-Entry Workover   | Total Depth: Plug Back Total Depth:  |  |  |  |  |
| Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): | 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: sx cmt |  |  |  |  |
| Operator:  |  |  |  |  |  |
| Well Name:   | Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)   |  |  |  |  |
| Original Comp. Date: Original Total Depth: Original Total Depth: Conv. to ENHR                                 | Chloride content: ppm Fluid volume: bbls  Dewatering method used:  |  |  |  |  |
| Plug Back: Plug Back Total Depth   | Location of fluid disposal if hauled offsite:  |  |  |  |  |
| Commingled Permit #:   | Operator Name:   |  |  |  |  |
| Dual Completion Permit #:  | Lease Name: License #:   |  |  |  |  |
| SWD Permit #:  | QuarterSec TwpS. R East West   |  |  |  |  |
| ENHR Permit #:   | County: Permit #:  |  |  |  |  |
| GSW Permit #:  |  |  |  |  |  |
| Spud Date or Date Reached TD Completion Date or Recompletion Date  Recompletion Date                           |  |  |  |  |  |

#### **AFFIDAVIT**

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

**Submitted Electronically** 

| KCC Office Use ONLY                |  |  |  |  |  |
|------------------------------------|--|--|--|--|--|
| Letter of Confidentiality Received |  |  |  |  |  |
| Date:                              |  |  |  |  |  |
| Confidential Release Date:         |  |  |  |  |  |
| Wireline Log Received              |  |  |  |  |  |
| Geologist Report Received          |  |  |  |  |  |
| UIC Distribution                   |  |  |  |  |  |
| ALT I II Approved by: Date:        |  |  |  |  |  |

Side Two

1132216

| Operator Name:   |   |  | Lease Nam         | e:                                      |                 |                        | Well #:                                 |                               |
|--|---|--|-------------------|---|-----------------|------------------------|---|-------------------------------|
| Sec Twp  | S. R  | East West  | County:           |   |                 |                        |   |                               |
| time tool open and clo   | sed, flowing and shut-<br>es if gas to surface test                                       | base of formations pen<br>in pressures, whether s<br>i, along with final chart(<br>vell site report. | hut-in pressure   | reached st                              | atic level,     | hydrostatic pr         | essures, bottom h                       | ole temperature, fluid        |
| Drill Stem Tests Taken (Attach Additional S                              |   | Yes No   |                   | Log                                     | Formation       | n (Top), Depth         | and Datum                               | Sample                        |
| Samples Sent to Geole  | ogical Survey   | Yes No   | 1                 | Name                                    |                 |                        | Тор                                     | Datum                         |
| Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy, | I Electronically  | Yes No Yes No  |                   |   |                 |                        |   |                               |
| List All E. Logs Run:  |   |  |                   |   |                 |                        |   |                               |
|  |   | CASING<br>Report all strings set-c   | RECORD            |   | Used            | on, etc.               |   |                               |
| Purpose of String  | Size Hole<br>Drilled  | Size Casing<br>Set (In O.D.)   | Weight Lbs. / Ft. | S                                       | etting<br>Depth | Type of Cement         | # Sacks<br>Used                         | Type and Percent<br>Additives |
|  | Dillied   | Set (III O.D.)   | LD3.71 t.         |   | рерит           | Cement                 | Oseu                                    | Additives                     |
|  |   |  |                   |   |                 |                        |   |                               |
|  |   |  |                   |   |                 |                        |   |                               |
|  |   |  |                   |   |                 |                        |   |                               |
| Durnaga  | Dooth   |  | CEMENTING /       |   | RECORD          |                        |   |                               |
| Purpose:  —— Perforate   | Depth<br>Top Bottom   | Type of Cement   | # Sacks Use       | # Sacks Used Type and Percent Additives |                 |                        |   |                               |
| Protect Casing Plug Back TD  |   |  |                   |   |                 |                        |   |                               |
| Plug Off Zone  |   |  |                   |   |                 |                        |   |                               |
|  | DEDECO ATIO   | N DECORD B. I. BI  | 0.47              |   | A =: -1         | -t Obt O               |   |                               |
| Shots Per Foot   | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated |  |                   |   |                 | nount and Kind o       | nent Squeeze Record<br>f Material Used) | Depth                         |
|  |   |  |                   |   |                 |                        |   |                               |
|  |   |  |                   |   |                 |                        |   |                               |
|  |   |  |                   |   |                 |                        |   |                               |
|  |   |  |                   |   |                 |                        |   |                               |
|  |   |  |                   |   |                 |                        |   |                               |
| TUBING RECORD:   | Size:   | Set At:  | Packer At:        | Liner                                   | _               | Yes                    | No                                      |                               |
| Date of First, Resumed   | Production, SWD or ENH  | R. Producing Meth  | nod:              | Gas Lift                                | i 🗆 o           | ther <i>(Explain)</i>  |   |                               |
| Estimated Production<br>Per 24 Hours                                     | Oil Bi  | ols. Gas   | Mcf               | Water                                   | Bb              | ols.                   | Gas-Oil Ratio                           | Gravity                       |
| DISPOSITIO   | ON OF GAS:  | N  | METHOD OF COM     | MPLETION:                               | _               |                        | PRODUCTIO                               | ON INTERVAL:                  |
| Vented Sold  | Used on Lease   | Open Hole  |                   | oually Comp.<br>bmit ACO-5)             |                 | nmingled<br>mit ACO-4) |   |                               |
| (If vented, Sub  | mit ACO-18.)  | Other (Specify)  |                   |   | •               | •                      |   |                               |

| Form      | ACO1 - Well Completion |  |  |
|-----------|------------------------|--|--|
| Operator  | American Warrior, Inc. |  |  |
| Well Name | Uehling Unit B 1-18    |  |  |
| Doc ID    | 1132216                |  |  |

# Tops

| Name          | Тор   | Datum |
|---------------|-------|-------|
| Heebner       | 3837' | -1349 |
| Lansing       | 3884' | -1396 |
| Stark         | 4149' | -1661 |
| B/KC          | 4241' | -1753 |
| Marmaton      | 4251' | -1763 |
| Pawnee        | 4329' | -1841 |
| Ft.Scott      | 4403' | -1915 |
| Cherokee      | 4426' | -1938 |
| Mississippian | 4500' | -2012 |

# **Geological Report**

American Warrior, Inc.

**Uehling Unit B #1-18** 

2458' FNL & 1783' FEL

Sec. 18, T20s, R25w

Ness County, Kansas



American Warrior, Inc.

# **General Data**

| Well Data:           | American Warrior, Inc. Uehling Unit B #1-18 2458' FNL & 1783' FEL Sec. 18, T20s, R25w Ness County, Kansas API # 15-135-25540-0000   |
|----------------------|---|
| Drilling Contractor: | Duke Drilling Co. Rig #5  |
| Geologist:           | Kevin Timson  |
| Spud Date:           | March 6, 2013   |
| Completion Date:     | March 14, 2013  |
| Elevation            | 2477' G.L.<br>2488' K.B.  |
| Directions:          | From Jetmore, KS at the intersection of Hwy 96 and Hwy 283. Go North on Hwy 238 15 miles to 60 Rd.Go West on 60 12 miles to G Rd. Go South 2 miles on G Rd. to 40 Rd. West ½ mile and South into. |
| Casing:              | #23 8 5/8" surface casing @ 233 with 150 sacks Class A, 3% c.c, 2% gel.   |
| Samples:             | 3800' to RTD 10' Wet & Dry  |
| Drilling Time:       | 3800' to RTD  |
| Electric Logs:       | Pioneer-Stacked-Micro "C. Desaire"  |
| Drillstem Tests:     | One, Trilobite Testing, Inc. "Jason McLemore"   |
| Problems:            | None  |

# **Formation Tops**

| American Warrior, Inc.  Uehling Unit B #1-18  Sec. 18, T20s, R25w  2458' FNL & 1783' FEL  3837' -1349  3884' -1396  4149' -1661  4241' -1753  4251' -1763 |
|---|
| Uehling Unit B #1-18 Sec. 18, T20s, R25w 2458' FNL & 1783' FEL 3837' -1349 3884' -1396 4149' -1661 4241' -1753  |
| Sec. 18, T20s, R25w<br>2458' FNL & 1783' FEL<br>3837' -1349<br>3884' -1396<br>4149' -1661<br>4241' -1753  |
| 2458' FNL & 1783' FEL<br>3837' -1349<br>3884' -1396<br>4149' -1661<br>4241' -1753   |
| 3884' -1396<br>4149' -1661<br>4241' -1753   |
| 4149' -1661<br>4241' -1753  |
| 4241' -1753   |
| 12 12 1700  |
| 4251' -1763   |
|   |
| 4329' -1841   |
| 4403' -1915   |
| 4426' -1938   |
| 4500' -2012   |
| 4600' -2112   |
| 4602' -2114   |
|   |

# **Sample Zone Descriptions**

Mississippian Warsaw (4599' -2012) Covered in DST #1

Dolomite tan/grey. Sub crystalline. Good vuggy porosity and poor intercrystalline porosity. Slightly sucrosic. Fair to good stain. Poor to fair saturation. Good odor. Slight show of free oil, mainly when rocks were broken.

## **Drill Stem Tests**

Trilobite Testing Inc. "Jason McLemore"

## DST #1 <u>Mississippian Warsaw</u>

Interval (4471' – 4515') Anchor Length 44'

IHP - 2239 #

IFP - 45" – WSB built to 2 ¾"

ISI - 45" – No Return

FFP - 45" – WSB built to 1"

FSIP - 45" – No Return

1248 #

FHP - 2214 #

BHT - Not Recorded

Recovery: 4' Free Oil

360' VSOCWM (1% O, 25% W, 74% M)

# **Structural Comparison**

| Formation  | American Warrior, Inc.<br>Uehling Unit B #1-18<br>Sec. 18, T20s, R25w<br>2458' FNL & 1783' FEL |     | American Warrior, Inc. Uehling Unit #1-18 Sec. 18, T20s, R25w 1794' FNL & 2433' FEL |     | Murfin Drilling Co.<br>Gibson #1<br>Sec 17, T20s, R25w<br>C SW SW |
|------------|--|-----|---|-----|---|
| Heebner    | 3837' -1349  | +1  | 3847' -1350   | +8  | 3817' -1357   |
| Lansing    | 3884' -1396  |     | 3893' -1396   | +3  | 3859' -1399   |
| Stark      | 4149' -1661  | -2  | 4156' -1659   | +9  | 4130' -1670   |
| BKC        | 4241' -1753  | -3  | 4247' -1750   | +9  | 4222' -1762   |
| Marmaton   | 4251' -1763  | -4  | 4256' -1759   | NA  | NA  |
| Pawnee     | 4329' -1841  | -3  | 4335' -1838   | NA  | NA  |
| Fort Scott | 4403' -1915  | -5  | 4407' -1910   | +13 | 4388' -1928   |
| Cherokee   | 4426' -1938  | -6  | 4429' -1932   | NA  | NA  |
| Miss.      | 4500' -2012  | -10 | 4499' -2002   | +3  | 4475' -2015   |
|            |  |     |   |     |   |
|            |  |     |   |     | J   |
|            |  |     | m   | n   |   |

| The location for the Uehling Unit #1-18 well was found via 3-D seismic survey. The new well ran structurally as expected. One drill stem test was conducted which did not recover commercial quantities of oil. After all the gathered data had been examined, the decision was made to plug and abandon the Uehling Unit B #1-18 well. |  |  |  |  |  |
|---|--|--|--|--|--|
|   |  |  |  |  |  |
|   |  |  |  |  |  |
|   |  |  |  |  |  |
|   |  |  |  |  |  |
|   |  |  |  |  |  |
|   |  |  |  |  |  |
|   |  |  |  |  |  |
|   |  |  |  |  |  |
| Respectfully Submitted,   |  |  |  |  |  |
| Kevin Timson American Warrior, Inc.   |  |  |  |  |  |

# ALLIED OIL & GAS SERVICES, LLC 059091 Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999 SOUTHLAKE. TEXAS 76092 SERVICE POINT:

| Carlos and |             |             |                     |  |                          |  |                      |
|---|-------------|-------------|---------------------|--|--------------------------|--|----------------------|
| DATE 3-4-13   | SEC.        | TWP.        | RANGE<br>25-3       | CALLED OUT                               | ON LOCATION              | JOB START  | JOB FINISH           |
|   |             | 1 W         | 1, 125,000 St       |  |                          | COUNTY   | STATE                |
| LEASE UCLIE ->  |             | 1-18        |                     | 1 TO JRD 7                               | 1600                     |  | <u> </u>             |
| OLD OK NEW JCI  | rcie one)   |             | 3west 764           | 250wh 4                                  | ORD Zwsi                 | To   |                      |
| CONTRACTOR D  | الاحرة      | 5           |                     | OWNER A                                  | merica-                  | waru   | . 24.                |
| TYPE OF JOB 5   |             |             |                     |  |                          |  | <u></u>              |
| HOLE SIZE 12  | 4.          | T.D.        | 235                 | CEMENT                                   |                          |  |                      |
| CASING SIZE &   | <u>5</u> y  | DEP         | TH 233              | AMOUNT OR                                | DERED 150                | 5X G193  | S A+3767             |
| TUBING SIZE   | 1.01        | DEP         |                     | +2%6                                     | d                        |  |                      |
| DRILL PIPE  |             | DEP         |                     |  |                          |  |                      |
| TOOL  |             | DEF         |                     |  | 150                      | @ 17.90  | 2.685.               |
| PRES. MAX<br>MEAS. LINE   |             |             | MUMI                | _ COMMON                                 | 758                      |  | 7.000.               |
| CEMENT LEFT IN  | CSC /       | SHC         | DE JOINT            | POZMIX                                   |                          | _@<br>   | 70.20                |
| PERFS.  | 100. /.     |             |                     | _ GEL<br>_ CHLORIDE _                    |                          | @ 64.00  | 320.00               |
| DISPLACEMENT  | 13.75       | BBL         | 50000000            | ASC_                                     |                          | _@ <u>G / · · · · · · · · · · · · · · · · · · </u> |                      |
| DISTERCEMENT  |             |             |                     | ASC                                      |                          | <u> </u>   |                      |
|   | EQUI        | PMENT       |                     |  |                          | -@   | -                    |
|   |             |             |                     | <u>a</u>                                 | W                        | - e — — —  |                      |
|   |             |             | Y-C Dave            | <del>}</del>                             | Table Flagge             | ě —  |                      |
| # 398 I   | HELPER V    | Mari        | N. Spingen          | <u> </u>                                 |                          | e  |                      |
| # 341 I   | DBIVEDA     |             | weighous            | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 |                          | @  |                      |
| BULK TRUCK  | DRIVERW     | (0.70       | -101-2              |  |                          | _@   |                      |
|   | DRIVER      |             |                     | ·  |                          | _@   |                      |
|   | DIGITOR     |             |                     | - HANDLING 1                             | 62.09                    | @ 2.48   | 401. 98              |
|   | 57007476570 | manan-malan |                     | MILEAGE 7                                | YXXIX                    | 2.40   | 404.07               |
|   | REM         | ARKS:       |                     |  |                          | TOTAL  | 3.881.               |
| ON 20p 2  |             |             | offix weet; ms      | =  |                          |  |                      |
| Kan casin   | <u>s B-</u> | AK C        | -culation           | —32.<br>—38                              | SERVI                    | CE   |                      |
|   |             |             | BBLS Ahery          |  |                          | •  |                      |
| mix 150 SX  |             |             |                     |  | в <u>233.33</u>          | !  | 75                   |
|   |             |             | Displacement        |  |                          | 1512.  | <u> </u>             |
|   |             | ***         | lefed Cement        |  |                          | _@   |                      |
| TO 54-4   | acc         | KIS         | 780000              | _ MILEAGE_                               |                          | @ 7.70   | 161.70               |
|   |             |             |                     | - MANIFOLD                               |                          | @ <del>4.70</del>                                  | 92.40                |
|   | 278         |             |                     |  | UM 21                    | @ <del>4.75</del>                                  | 72.7-                |
| CHARGE TO: A  | 1           |             |                     | AL CONT.                                 | · **                     |  | -04h-n               |
| CHARGE TO: 17   | MECICA      | <u>~ w</u>  | g. s. dv            |  |                          | TOTAL  | 1.766 ·              |
| STREET  |             |             |                     | _  |                          | IOIAI  | 7.700                |
| CITY  | CTA         | TC          | ZIP                 |  |                          |  |                      |
| CILI  | STA         | IE          | GIF                 |  | PLUG & FLOAT             | EQUIPME!   | NT                   |
|   |             |             |                     |  |                          |  |                      |
|   |             |             |                     | -  |                          | @  |                      |
|   |             |             |                     | A  |                          |  |                      |
| To: Allied Oil &  | Gas Servic  | es LLC      |                     |  | 2001 2000000000          | _@   |                      |
|   |             |             | nenting equipment   |  |                          | _@   |                      |
| and furnish cemer   |             |             |                     |  |                          | _@   |                      |
|   |             |             | ne above work was   |  |                          |  |                      |
| 70 F/S  |             |             | of owner agent or   |  |                          | TOTAL  | L                    |
|   |             |             | nd the "GENERAL     |  |                          | :515(5)  | escale difference at |
|   |             |             | on the reverse side | OAT TO WATE                              | If Any)                  |  |                      |
| I EKINS AND CC  | יוטונוטויי  | 13/115/60   | off mic levelec 210 | TOTAL CHAP                               |                          | 17.51  |                      |
|   |             |             | . Mer               |  | (UES - 1. 41             | 1. 87  |                      |
| PRINTED NAME.   | DEN         | NETH        | 111 6011            | DISCOUNT_                                | 10 <b>4</b> 0000 (FW 53) | JF PA  | ID IN 30 DAYS        |
|   | 1/          |             | 1 11                |  | 1122                     | 5.67   |                      |
| SIGNATURE   | 10-         | -d/         | -HTH                |  | 7.2 3                    |  |                      |
| SIGINALUKE  | YMM         | 111         | 11000               | _  |                          |  |                      |

# ALLIED OIL & GAS SERVICES, LLC 060356 Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Great Bend, Ks

| DATE 3-14-13   | SEC.        | TWP.      | RANGE                                     | CALLED OUT                    | ON LOCATION        | JOB START                               | JOB FINISH     |  |  |
|--|-------------|-----------|---|-------------------------------|--------------------|---|----------------|--|--|
| LEASEUEAllag   | WELL#       | 1-18      | LOCATIONS 24                              | rd. Stm to 60<br>to yord w/sa | rd, W3m+OG,        | COUNTY                                  | STATE<br>KS    |  |  |
| OLD OR NEW C   |             |           | (87m)                                     | 18-10-0- 10 752               | E d into tect      | 765                                     | 170            |  |  |
| COLUMN   | N V 1       |           |   |                               |                    | -                                       |                |  |  |
| CONTRACTOR TYPE OF JOB                               | PTA         |           |   | OWNER A                       | nerican Wa         | errior                                  |                |  |  |
| HOLE SIZE 7 1/8                                      |             | TD        | . 4600 F+                                 | CEMENT                        |                    |   |                |  |  |
| CASING SIZE 8  | Ye" 24'     | DE        | PTH 233 f4                                | AMOUNT OF                     | DERED 150 s        | £ 60/40                                 | +49/0001       |  |  |
| TUBING SIZE  |             |           | PTH                                       | - 7.15 % L                    | lo-Secol           |   | 110-01         |  |  |
| DRILL PIPE 4%  | 16.60       |           | PTH 1750 F+                               | _ 1197 13- 6                  | 10 - 6001          | - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | -              |  |  |
| TOOL   |             | DE        | PTH_                                      |                               | At some            | May 50                                  |                |  |  |
| PRES. MAX  |             | MII       | MUMIN                                     | COMMON                        | 150                | @ 17.90                                 | 2.685          |  |  |
| MEAS. LINE   | **          | SH        | DE JOINT                                  | POZMIX                        | 100                | @ <del>93</del> 5                       | 435.           |  |  |
| CEMENT LEFT II                                       | N CSG.      |           |   | GEL                           | 9                  | @23.40                                  | 210.00         |  |  |
| PERFS.   |             | ·-        |   | CHLORIDE_                     | • • • • • • •      | @ <u></u>                               |                |  |  |
| DISPLACEMENT   | WBM -       | + FW      |   | ASC                           |                    | _@                                      |                |  |  |
|  | EQU         | IPMENT    |   | +1001                         | 41 63              | _@ <del>2.97</del>                      | 187.11         |  |  |
|  |             |           |   |                               |                    | _@                                      |                |  |  |
| PUMPTRUCK  | CEMENT      | ER Char   | les EIKins                                |                               |                    | _@                                      | -              |  |  |
| # 398  | HELPER      |           |   |                               |                    | _@                                      |                |  |  |
| BULK TRUCK   |             |           |   | <del>8 7</del> 7 <del> </del> |                    | _@                                      |                |  |  |
| # 341  | DRIVER      | Austin R  | Hey                                       | 2 <del>1</del>                |                    | _@                                      |                |  |  |
| BULK TRUCK   |             |           |   | <del>-</del>                  |                    | _@                                      |                |  |  |
| #  | DRIVER      |           |   |                               | 21.630             | ¯ੂੰ <del>ਹ</del> ∙ਖੁ                    | <u> 667. 8</u> |  |  |
|  |             |           |   | - HANDLING                    | 11.23 ×21 ×        | 2.60                                    | <u> </u>       |  |  |
|  | nei         | AA DEC    |   | MILEAGE _                     | 11.23 X21 X        |   |                |  |  |
|  |             | MARKS:    | A - 120 - 20 - 20 - 20 - 20 - 20 - 20 - 2 | 53 <b>12</b> 0                |                    | TOTA                                    | L 5.298.       |  |  |
| Set Plug 10 175                                      | off; GFW    | 12.5cm+   | 2 FW, 18WAM (50                           | <u> </u>                      |                    |   |                |  |  |
| Set Plug 20, 890                                     | CH. GFW     | 20cmt, 5  | FW (80.                                   |                               | SERVI              | CE                                      |                |  |  |
| Set Aleg 3 @ 260                                     | CH -        | 12.5000   | , FFW (50s                                | ~                             |                    |   |                |  |  |
| Set His 4@ 60  |             |           | (205                                      | ~ ~~                          |                    |   | <del>2 d</del> |  |  |
| Pluy Rat Hole  | EWIFY.      | TIS CINT  | (305                                      |                               |                    | 2211                                    | 34             |  |  |
| Plug House H   | DIE WITT    | LJEMT     | ((20)                                     |                               |                    | _@                                      |                |  |  |
|  |             |           |   | MILEAGE                       |                    | _@_ <del>7.70</del>                     | 161-20         |  |  |
|  |             | _         |   | — MANIFOLD.                   |                    | -@ <del></del>                          | 92.40          |  |  |
|  |             |           |   | ь                             | Jun 21             |   | 74.15          |  |  |
|  |             |           |   | Yang da                       | 588 88             | _@                                      |                |  |  |
| CHARGE TO: A   | Merican     | war       | rior                                      |                               |                    |   | 7 572 5        |  |  |
| STREET   |             |           |   |                               |                    | TOTA                                    | L 2.503        |  |  |
| -  |             |           | ##### 107 FO                              | <del>Telu</del> (1            | .M                 |   |                |  |  |
| CITY   | ST.         | ATE       | ZIP                                       |                               | PLUG & FLOAT       | FOURME                                  | NT             |  |  |
|  |             |           |   |                               | . DOG G I DOM      |   | ***            |  |  |
|  |             |           |   | 5 <del></del>                 |                    |   | -              |  |  |
|  |             |           |   | STATE OF THE ABOVE AND        | esn s              |   |                |  |  |
| -000   |             |           |   |                               |                    |   |                |  |  |
| To: Allied Oil &                                     |             |           |   | 23 <del>-3-31-3-31</del>      |                    |   | - ···          |  |  |
| You are hereby requested to rent cementing equipment |             |           |   | t                             | THE RESERVE OF THE |   | -              |  |  |
| and furnish ceme                                     | enter and h | elper(s)  | o assist owner or                         |                               | 200                |   |                |  |  |
|  |             |           | he above work wa                          |                               |                    | 7.120 CAMPILETON - 1                    | _              |  |  |
| done to satisfact                                    | ion and su  | pervision | of owner agent or                         |                               |                    | TOTA                                    | L              |  |  |
|  |             |           | and the "GENERA                           | L                             |                    |   |                |  |  |
|  |             |           | d on the reverse sid                      | 011 F0 F11                    | SALES TAX (If Any) |   |                |  |  |
|  | /           | /         | res automation of Artist Artist (Alberta  | TOTAL CHA                     | RGES 7, 843        | 5-31                                    |                |  |  |
|  | 1           |           | ma  | 10 <u>-2</u> 5                | 1 950              | 1.60                                    |                |  |  |
| PRINTED NAME   | NEN         | NETH      | III GUIRE                                 | DISCOUNT -                    |                    | IF PA                                   | AID IN 30 DAY  |  |  |
|  | 11          | 1         | 1   |                               | 5.851              | , 00                                    |                |  |  |
| SIGNATURE  | 1a          | att       | AUTER                                     |                               | 0.001              |   |                |  |  |



Prepared For: **American Warrior** 

Box 399

Garden Clty, KS 67846

ATTN: C O'Brate

# **Uehling B Unit #1**

### 18-20s-25w Ness,KS

2013.03.12 @ 17:25:34 Start Date: End Date: 2013.03.13 @ 02:01:19 Job Ticket #: 50550 DST #: 1

Trilobite Testing, Inc PO Box 362 Hays, KS 67601

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



American Warrior

18-20s-25w Ness, KS

**Uehling B Unit #1** 

Box 399

Job Ticket: 50550

DST#: 1

Garden Clty, KS 67846

Test Start: 2013.03.12 @ 17:25:34

ATTN: C O'Brate

GENERAL INFORMATION:

Formation: Miss

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:10:49 Time Test Ended: 02:01:19

4471.00 ft (KB) To 4515.00 ft (KB) (TVD)

Total Depth: 4515.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good Hole Diameter:

Inside

Test Type: Conventional Bottom Hole (Initial) Tester: Jason McLemore

54

Unit No:

2488.00 ft (KB)

Reference Elevations:

2476.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8789

Interval:

Start Date:

Start Time:

Press@RunDepth:

159.73 psig @ 2013.03.12

17:25:36

4510.00 ft (KB) End Date:

End Time:

2013.03.13

Capacity: Last Calib.:

Time On Btm: Time Off Btm: 8000.00 psig

2013.03.13

02:01:19

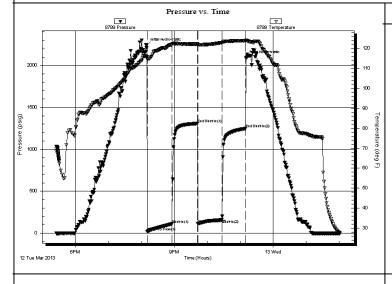
2013.03.12 @ 20:10:19 2013.03.12 @ 23:10:19

TEST COMMENT: IFP-Weak Blow, Built to 2 3/4"

ISI-Dead

FFP-Weak Blow, Built to 1"

FSI-Dead



#### PRESSURE SUMMARY

| Time   | Pressure | Temp    | Annotation           |
|--------|----------|---------|----------------------|
| (Min.) | (psig)   | (deg F) |                      |
| 0      | 2239.17  | 115.49  | Initial Hydro-static |
| 1      | 20.26    | 114.61  | Open To Flow (1)     |
| 46     | 111.23   | 121.94  | Shut-In(1)           |
| 92     | 1307.60  | 122.15  | End Shut-In(1)       |
| 93     | 115.70   | 121.76  | Open To Flow (2)     |
| 137    | 159.73   | 122.83  | Shut-In(2)           |
| 180    | 1247.54  | 123.83  | End Shut-In(2)       |
| 180    | 2088.94  | 124.08  | Final Hydro-static   |
|        |          |         |                      |
|        |          |         |                      |
|        |          |         |                      |
|        |          |         |                      |

#### Recovery

| Length (ft) | Description          | Volume (bbl) |
|-------------|----------------------|--------------|
| 360.00      | VSOCWM-1%O-25%W-74%M | 2.50         |
| 4.00        | Free Oil             | 0.06         |
|             |                      |              |
|             |                      |              |
|             |                      |              |
|             |                      |              |

#### Gas Rates

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

Trilobite Testing, Inc. Ref. No: 50550 Printed: 2013.03.20 @ 12:00:47



American Warrior

**Uehling B Unit #1** 

18-20s-25w Ness, KS

Box 399

Tester:

Unit No:

Garden Clty, KS 67846

Job Ticket: 50550 DST#: 1

ATTN: C O'Brate Test Start: 2013.03.12 @ 17:25:34

GENERAL INFORMATION:

Formation: Miss

Deviated: Test Type: Conventional Bottom Hole (Initial) No Whipstock: ft (KB)

Time Tool Opened: 20:10:49 Time Test Ended: 02:01:19

Interval: 4471.00 ft (KB) To 4515.00 ft (KB) (TVD) Reference Elevations: 2488.00 ft (KB)

Total Depth: 4515.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good KB to GR/CF: Hole Diameter:

12.00 ft

2476.00 ft (CF)

Jason McLemore

54

Serial #: 6668 Outside

Press@RunDepth: 4510.00 ft (KB) 8000.00 psig psig @ Capacity:

Start Date: 2013.03.12 End Date: 2013.03.13 Last Calib.: 1899.12.30

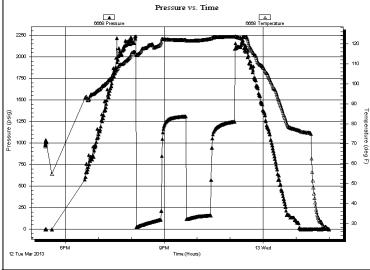
Start Time: 17:23:34 End Time: Time On Btm: 02:00:03 Time Off Btm:

TEST COMMENT: IFP-Weak Blow, Built to 2 3/4"

ISI-Dead

FFP-Weak Blow, Built to 1"

FSI-Dead



| PRESSURE | SUMMARY |
|----------|---------|
|----------|---------|

|                     | Time<br>(Min.) | Pressure<br>(psig) | Temp<br>(deg F) | Annotation |
|---------------------|----------------|--------------------|-----------------|------------|
|                     |                |                    |                 |            |
| Tem                 |                |                    |                 |            |
| Temperature (deg F) |                |                    |                 |            |
| Ĵ                   |                |                    |                 |            |
|                     |                |                    |                 |            |
|                     |                |                    |                 |            |
|                     |                |                    |                 |            |

#### Recovery

| Length (ft) | Description          | Volume (bbl) |  |
|-------------|----------------------|--------------|--|
| 360.00      | VSOCWM-1%O-25%W-74%M | 2.50         |  |
| 4.00        | Free Oil             | 0.06         |  |
|             |                      |              |  |
|             |                      |              |  |
|             |                      |              |  |
|             |                      |              |  |

#### Gas Rates

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

Trilobite Testing, Inc. Ref. No: 50550 Printed: 2013.03.20 @ 12:00:48



**TOOL DIAGRAM** 

American Warrior

18-20s-25w Ness, KS

Box 399

**Uehling B Unit #1** 

Garden Clty, KS 67846

Job Ticket: 50550 DST#: 1

ATTN: C O'Brate

Test Start: 2013.03.12 @ 17:25:34

**Tool Information** 

Drill Pipe: Length: 4165.00 ft Diameter: Heavy Wt. Pipe: Length:

3.80 inches Volume: 58.42 bbl 0.00 inches Volume: 0.00 bbl Tool Weight: 2500.00 lb Weight set on Packer: 20000.00 lb

Drill Collar: Length:

ft Diameter: 280.00 ft Diameter:

Diameter:

1.38 bbl Weight to Pull Loose: 78000.00 lb

Drill Pipe Above KB: 2.00 ft 2.25 inches Volume: Total Volume: 59.80 bbl

Tool Chased 0.00 ft String Weight: Initial 75000.00 lb

Depth to Top Packer: 4471.00 ft Depth to Bottom Packer: ft Final 76000.00 lb

Interval between Packers: 43.00 ft Tool Length: 71.00 ft

Number of Packers: 2

6.75 inches

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |                         |
|------------------|-------------|------------|----------|------------|----------------|-------------------------|
| Change Over Sub  | 1.00        |            |          | 4444.00    |                |                         |
| Shut In Tool     | 5.00        |            |          | 4449.00    |                |                         |
| Hydraulic tool   | 5.00        |            |          | 4454.00    |                |                         |
| Jars             | 5.00        |            |          | 4459.00    |                |                         |
| Safety Joint     | 2.00        |            |          | 4461.00    |                |                         |
| Packer           | 5.00        |            |          | 4466.00    | 28.00          | Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 4471.00    |                |                         |
| Stubb            | 1.00        |            |          | 4472.00    |                |                         |
| Perforations     | 5.00        |            |          | 4477.00    |                |                         |
| Change Over Sub  | 1.00        |            |          | 4478.00    |                |                         |
| Blank Spacing    | 31.00       |            |          | 4509.00    |                |                         |
| Change Over Sub  | 1.00        |            |          | 4510.00    |                |                         |
| Recorder         | 0.00        | 8789       | Inside   | 4510.00    |                |                         |
| Recorder         | 0.00        | 6668       | Outside  | 4510.00    |                |                         |
| Perforations     | 1.00        |            |          | 4511.00    |                |                         |
| Bullnose         | 3.00        |            |          | 4514.00    | 43.00          | Bottom Packers & Anchor |
|                  |             |            |          |            |                |                         |

**Total Tool Length:** 71.00

Printed: 2013.03.20 @ 12:00:48 Trilobite Testing, Inc Ref. No: 50550



**FLUID SUMMARY** 

DST#: 1

American Warrior 18-20s-25w Ness, KS

Box 399

**Uehling B Unit #1** Garden Clty, KS 67846 Job Ticket: 50550

ATTN: C O'Brate Test Start: 2013.03.12 @ 17:25:34

**Mud and Cushion Information** 

Mud Type: Gel Chem Cushion Type: Oil API: deg API

Mud Weight: Cushion Length: 9.00 lb/gal ft Water Salinity: 27000 ppm

Viscosity: 53.00 sec/qt Cushion Volume: bbl

Water Loss: 9.98 in<sup>3</sup> Gas Cushion Type:

Resistivity: Gas Cushion Pressure: ohm.m psig

Salinity: ppm Filter Cake: inches

#### **Recovery Information**

#### Recovery Table

| Length<br>ft | Description          | Volume<br>bbl |  |
|--------------|----------------------|---------------|--|
| 360.00       | VSOCWM-1%O-25%W-74%M | 2.499         |  |
| 4.00         | Free Oil             | 0.056         |  |

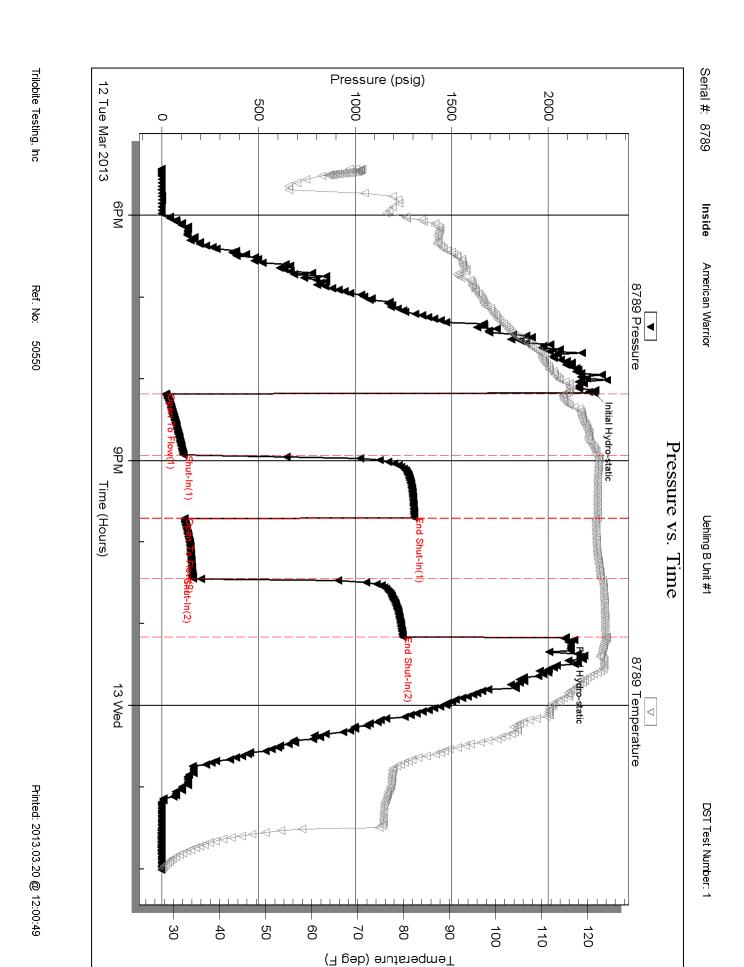
Total Length: 364.00 ft Total Volume: 2.555 bbl

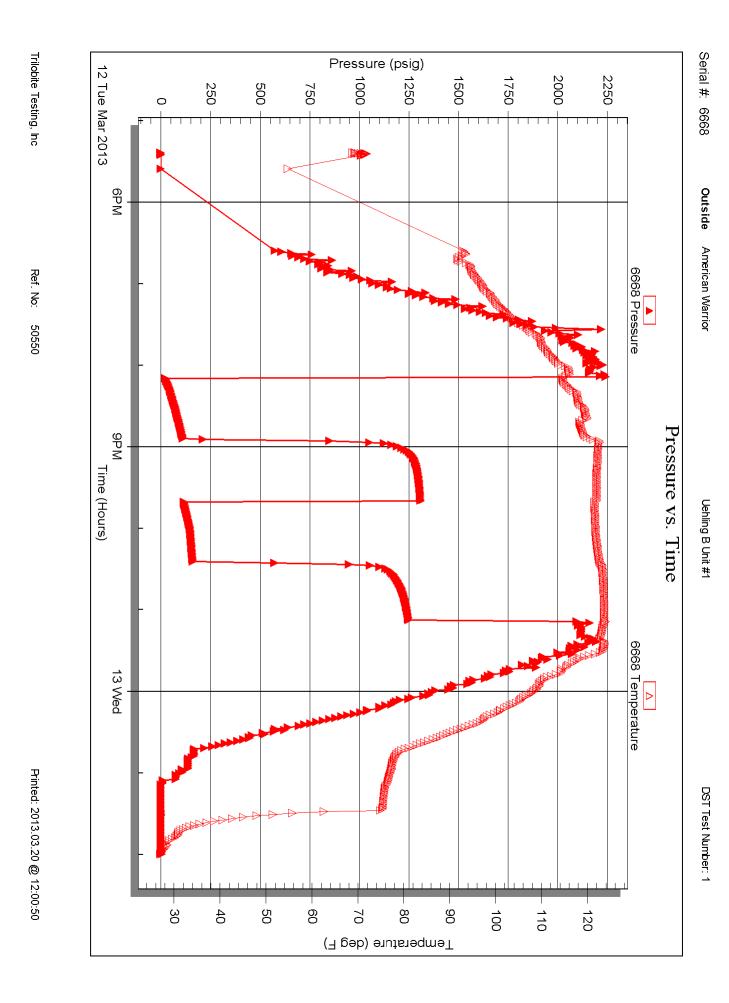
Num Fluid Samples: 0 Num Gas Bombs: Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Printed: 2013.03.20 @ 12:00:49 Trilobite Testing, Inc Ref. No: 50550







# **Test Ticket**

NO.

o. 50550

| 1515 Commerce Parkwa                                  | y • Hays, Kansas 676                               | 501                |               |                 |          |
|---|--|--------------------|---------------|-----------------|----------|
| Well Namers No. Den mg B Dr                           | 14 bi  | Test No.           |               | Date 3-12       | -13      |
| Company Horica Warrer                                 |  | Elevation _ 2      | 488           | KB 2476         | GL       |
| Address Dox399 (~                                     | rele City  | TS.                |               |                 |          |
| Co. Rep/Geo. KOUN TINSON                              | × × 1  | Rig Dol            | le 5          | 1               |          |
| Location: Sec. \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ | Rge. 25 W  | Co. Ness           |               | State           |          |
| Interval Tested 4471 -45 15                           | Zone Tested  | M555               |               | 100 800         | 1        |
| Anchor Length 44                                      | EF-2-09/10/524 ABAT                                | 4165               | Mı            | ud Wt. 9, 4     |          |
| Top Packer Depth 446                                  | Drill Collars Run                                  | 280                |               | s 53            |          |
| Bottom Packer Depth 4471                              | Wt. Pipe Run C                                     |                    |               | L 10,0          |          |
|   |  |                    |               | CM              |          |
| Total Depth 4515  Blow Description IFP- Weak Blow     | w Built to   | 2 3/4"             | - Cystom - Le |                 |          |
| ISI-Dead  | ,  |                    |               |                 |          |
| FFP-Weak Blow   | Built to 1   | "                  |               |                 |          |
| FSI- Dead   |  |                    |               |                 |          |
| Rec 4 Feet of Free Oil                                |  | %gas               | %oil          | %water          | %mud     |
| Rec 360 Feet of USOCWM                                |  | %gas               | %oil          | 25 %water       | 74 %mud  |
| Rec Feet of   |  | %gas               | %oil          | %water          | %mud     |
| Rec Feet of   |  | %gas               | %oil          | %water          | %mud     |
| Rec Feet of   |  | %gas               | %oil          | %water          | %mud     |
| Rec Total 364 BHT                                     | _ Gravity _38                                      | API RW .660 @      | 30°FC         | Chlorides 27,   | mdd Cec  |
| (A) Initial Hydrostatic 2239                          | Test 1250  |                    | T-On Loca     | ation _         | 1655     |
| (B) First Initial Flow 20                             | Jars 📉 25  | 50                 | T-Started     |                 | 1723     |
| (C) First Final Flow // l                             | Safety Joint X                                     | 75                 | T-Open        | 20:10           |          |
| (D) Initial Shut-In 1308                              | ☐ Circ Sub   |                    | T-Pulled _    | 23:10           | <u> </u> |
| (E) Second Initial Flow                               | ☐ Hourly Standby                                   |                    | T-Out         | 2:00            |          |
| (F) Second Final Flow 160                             | 11 H. J. J. S. | 108rt 16           | Comment       | s               |          |
| (G) Final Shut-In 1248                                |  | <b>A</b>           |               |                 |          |
| (H) Final Hydrostatic 2089                            |  |                    |               |                 |          |
|   |  |                    |               | d Shale Packer_ |          |
| Initial Open 45                                       |  |                    | - 1101110     | d Packer        |          |
| Initial Shut-In                                       |  |                    | - LANG        | Copies          |          |
| Final Flow 4/5  |  |                    |               |                 |          |
| Final Shut-In 45                                      | ☐ Accessibility                                    |                    | MP/DST        |                 |          |
|   | Sub Total 1742                                     |                    | IVIF/DST      | DISC (          | hank     |
| Approved By   |  | ur Representative_ | (ason)        | McJami          | - hank   |