#### KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

# COLUMP Form ACO-1 September 1999 Whise Be Typed

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

| Operator: License #4058   | API No. 15 - 065-23,327 0000  |
|---|---|
| Name: American Warrior, Inc.  | County: Graham  |
| Address: P. O. Box 399  | C _E/2 _ SE _ NW Sec. 1 Twp. 8 S. R. 22 ☐ East  West  |
| City/State/Zip: Garden City, KS 67846   | 1890 FNL feet from S / N (circle one) Line of Section   |
| Purchaser: N/A  | 2437 FWL feet from E / W (circle one) Line of Section   |
| Operator Contact Person: Joe Smith  | Footages Calculated from Nearest Outside Section Corner:  |
| Phone: (620 ) 275-2963  | (circle one) NE SE NW SW  |
| Contractor: Name: Discovery Drilling Co., Inc.  | Lease Name: MILLER-BUCKNER Well #: 1-1  |
| License: 31548  | Field Name: BUCKNER   |
| Wellsite Geologist: Jason Alm   | Producing Formation: ARBUCLE  |
| Designate Type of Completion:   | Elevation: Ground: 2125' Kelly Bushing: 2133'   |
| New Well Re-Entry Workover  | Total Depth: 3728' Plug Back Total Depth: 3708'   |
| Oil SWD SIOW Temp. Abd.   | Amount of Surface Pipe Set and Cemented at 213 Feet   |
| Gas ENHR SIGW   | Multiple Stage Cementing Collar Used?   |
| Dry Other (Core, WSW, Expl., Cathodic, etc)   | If yes, show depth set 1634 Feet  |
| If Workover/Re-entry: Old Well Info as follows:   | If Alternate II completion, cement circulated from  |
| Operator:   | feet depth to SURFACE w/ 130 sx cmt.  |
| Well Name:  |   |
| Original Comp. Date: Original Total Depth:  | Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)  |
| Deepening Re-perf Conv. to Enhr./SWD  | Chloride content 11,000 ppm Fluid volume 300 bbls   |
| Plug Back Plug Back Total Depth   | Dewatering method used EVAPORATION  |
| Commingled Docket No.   |   |
| Dual Completion Docket No   | Location of fluid disposal if hauled offsite:   |
| Other (SWD or Enhr.?) Docket No   | Operator Name:  |
| 9-21-07 9-26-07 10-11-07  | Lease Name: License No.:  |
| Spud Date or Date Reached TD Completion Date or   | Quarter Sec Twp S. R East West  |
| Recompletion Date Recompletion Date   | County: Docket No.:   |
| INSTRUCTIONS: An original and two copies of this form shall be filed with t Kansas 67202, within 120 days of the spud date, recompletion, workover Information of side two of this form will be held confidential for a period of 12 107 for confidentiality in excess of 12 months). One copy of all wireline logs a TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells.  All requirements of the statutes, rules and regulations premulgated to regulate | or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. months if requested in writing and submitted with the form (see rule 82-3-ind geologist well report shall be attached with this form. ALL CEMENTING Submit CP-111 form with all temporarily abandoned wells. |
| herein are complete and correct to the best of my knowledge.  Signature:    In the best of my knowledge.  |   |
| Compliance Coordinator 10-17-07   | KCC Office Use ONLY   |
| Title Compliance Coordinator Date: 10-17-07   | Letter of Confidentiality Received  |
| Subscribed and Gworn to before me this the day of Delo per  | If Denied, Yes Date:  |
| 20 07   | Wireline Log Received   |
| Notary Public: Mea Kullmene ERICA KUHLME Notary Public - State of   | Kansas  |
| Date Commission Expires: 912-09 My Appt. Expires 0112-09  | UIC Distribution RECEIVED KANSAS CORPORATION COMMISSION   |

| Operator Name: Am  | erican Warrior, I   | nc.                                    |                             | Leas               | e Name:                                 | MILLER-                | -BUC                                  | KNER              | Well #: _1-1           |                               |                |
|--|---|--|-----------------------------|--------------------|---|------------------------|---------------------------------------|-------------------|------------------------|-------------------------------|----------------|
|  | S. R. <u>22</u>   |  |                             |                    | ty: Grah                                | am                     |                                       |                   |                        |                               |                |
| ested, time tool ope<br>emperature, fluid red                | how important tops and closed, flowin covery, and flow rates surveyed. Attach | g and shut-in<br>es if gas to su       | pressures,<br>rface test, a | whether stong with | shut-in pre                             | essure rea             | iched s                               | tatic level, hydr | ostatic pressu         | res, botto                    | om hole        |
| rill Stem Tests Take<br>(Attach Additional                   |   | <b>∠</b> Yes                           | □No                         |                    | VL                                      | og Fo                  | ormatio                               | n (Top), Depth    | and Datum              |                               | Sample         |
| amples Sent to Ge  | ological Survey   | Yes                                    | ✓ No                        |                    | Nam                                     | <sub>e</sub><br>ydrite |                                       |                   | <sub>Тор</sub><br>1670 |                               | Datum<br>+467  |
| ores Taken   | ,   | —<br>☐ Yes                             | ✓ No                        |                    | Base                                    | yunte<br>⊃ ⇔           |                                       | IDENTIAL          | 1703                   |                               | +430           |
| lectric Log Run  |   | ✓ Yes                                  | No                          |                    | Tope                                    | eka<br>•               |                                       | 100000            | 3100                   |                               | -967           |
| (Submit Copy)  |   |  |                             |                    | Heel                                    |                        | OCT                                   | KCC 17 2007       | 3311                   |                               | -907<br>-1175  |
| st All E. Logs Run:  |   |  |                             |                    | Toro                                    |                        |                                       | WCC.              | 3332                   |                               | -1173<br>-1177 |
| Qual Induction   | Log; Dual Cor   | mponeato                               | d Paracit                   | .,                 | Lans                                    |                        |                                       | MOO               | 3344                   |                               | -1211          |
|  | stivity Log, Bor  |  |                             |                    | BKC                                     | •                      |                                       |                   | 3546                   |                               | 1413           |
| =  | nic Cement Bo   |  | nponouc                     | ou                 |   |                        |                                       |                   | 3732                   |                               | ·1413<br>·1599 |
|  |   | ······································ | 040110                      | DECORD             |   | ıckle                  |                                       | <u></u>           | 3132                   |                               |                |
|  |   | Report a                               | CASING<br>Il strings set-c  | RECORD onductor, s |   |                        |                                       | on, etc.          |                        |                               |                |
| Purpose of String  | Size Hole<br>Drilled  | Size C<br>Set (In                      |                             |                    | eight<br>/ Ft.                          | Settir<br>Dept         |                                       | Type of<br>Cement | # Sacks<br>Used        | Type and Percent<br>Additives |                |
| Surface Pipe   | 12-1/4"   | 8-5/8"                                 |                             | 23#                |   | 213                    |                                       | common            | 150                    | 3% cc 2% Get                  |                |
| Production Pipe  | e 7-7/8"  | 5-1/2"                                 |                             | 14#                |   | 3727'                  |                                       | EA/2              | 140                    | EA/2                          |                |
|  |   |  |                             |                    |   |                        |                                       |                   |                        |                               |                |
|  |   | Α                                      | DDITIONAL                   | CEMENT             | ING / SQL                               | JEEZE RE               | CORD                                  |                   |                        |                               |                |
| Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone | Depth<br>Top Bottom   | Type of                                | Cement                      | #Sack              | s Used                                  |                        |                                       | Type and F        | Percent Additive:      | s                             |                |
| Shots Per Foot   |   | ON RECORD<br>Footage of Eac            |                             |                    | )                                       | Aci                    | id, Fracti<br>(Amo                    | ure, Shot, Cemen  | t Squeeze Reco         | rd                            | Depth          |
|  | 3647 TO 3651  |  |                             |                    | *************************************** | 500 GA                 | LS. 1                                 | 5% MCA            |                        |                               | Same           |
|  |   |  |                             |                    |   | 3/10 BF                | PM@3                                  | 00#               |                        |                               |                |
|  |   |  |                             |                    |   |                        |                                       |                   |                        |                               |                |
| TUBING RECORD 2-3  | Size<br>3/8"  | Set At 3704                            |                             | Packer             | At                                      | Liner Run              | · · · · · · · · · · · · · · · · · · · | Yes 🔽 No          |                        |                               |                |
| Date of First, Resumero                                      | Production, SWD or E  | inhr. Pi                               | roducing Meth               | ood                | Flowing                                 | F                      | umping                                | Gas Lif           | t Oth                  | er ( <i>Explain</i>           | )              |
| stimated Production<br>Per 24 Hours                          | Oil<br>N/A  | Bbls.                                  | Gas I                       | Mcf                | Wate<br>N/A                             | r .                    | Bbls                                  | s. G              | as-Oil Ratio           |                               | Gravity        |
|  |   | OMPLETION                              |                             | L                  |   | Dun di cali            |                                       |                   |                        |                               |                |
| isposition of Gas  | WEI/105 0. C  | Om LETION                              |                             |                    |   | Production             | n interva                             | il                |                        | <b>D</b>                      | CEIVED         |

# ALLIED CEMENTING CO., INC.

28007

| REMIT TO P.O. B<br>RUSS  | SOX 31<br>SELL, KAI  | NSAS 676  | 65   |            |  |                     | SER             | VICE P      | ODIT:<br>CUSSE | /                               |
|--|--|---|--|------------|--|---------------------|-----------------|-------------|----------------|---------------------------------|
| DATE 9-21-0)   | SEC.   | TWP   | RANGE 2 W  | CAL        | LED OUT  | ON L                | OCATION         | JOB S       | 1              | JOB FINISH 5.15 p.              |
| Miller<br>LEASE Buckner  | WELL#  | ,   | LOCATION 18                                      | 24         | *+   | 1/21                | ~               | COUN        | han            | STATE                           |
| OLD OR NEW Ci  |  |   | IN 1/2   |            | 81/  | ONFIDE              |                 |             |                |                                 |
| CONTRACTOR TYPE OF JOB HOLE SIZE (2) CASING SIZE TUBING SIZE DRILL PIPE TOOL | UnAcce   | T.D<br>DE<br>DE                                       | PTH<br>PTH<br>PTH                                |            | OWNER  CEMENT  AMOUNT                                  | oct 17<br>KC        | <del>2007</del> |             |                | Cl 22.64                        |
| PRES. MAX  |  |   | NIMUM  |            | COMMON.  |                     | 0               |             | 770            | 1665-                           |
| MEAS. LINE CEMENT LEFT IN PERFS. DISPLACEMENT                                |  |   | OE JOINT   |            | POZMIX<br>GEL<br>CHLORIDE<br>ASC                       |                     | 3<br>5          |             | 1665<br>466    | 23300                           |
| DIGITATION   |  | JIPMENT   |  | <br>-<br>- |  | 40                  |                 | _@_<br>_@_  |                |                                 |
|  | CEMENT<br>HELPER<br>DRIVER                                 |   | Roberts  |            |  |                     |                 |             |                |                                 |
|  | DRIVER   |   |  |            | HANDLIN  | G_ <u>15</u> 8      | 3               | @           | 700            | 30020                           |
|  | RE   | MARKS:  |  |            | MILEAGE  |                     | <u> 44/</u> 5   | 1           | TOTAL          | 9243 <u>9</u><br>31724 <u>5</u> |
|  |  |   |  |            |  |                     | SERV            | ICE         |                |                                 |
| Cem  | en F   | - (A)   | re /   |            | DEPTH OF<br>PUMP TRU<br>EXTRA FO<br>MILEAGE<br>MANIFOL | JCK CHA<br>DOTAGE _ | RGE             | @<br>@<br>@ |                | 39000                           |
| CHARGE TO:   |  |   | Warria   |            |  |                     |                 |             | TOTAL          | 120500                          |
|  |  |   | ZIP  |            |  | PLUC                | & FLOA          | AT EQU      | JIPMEN         | TI                              |
| and furnish cem contractor to do done to satisfact                           | requested<br>enter and<br>work as ition and s<br>ve read & | to rent con helper to is listed. 'upervision understa | The above work wn of owner agent on the "TERMS A | as<br>or   | TAX_   |                     |                 | @<br>@      | TOTAL          | 6000                            |
|  |  | nants,  | <i>'</i> .                                       |            | TOTAL CI<br>DISCOUN                                    |                     |                 |             |                | ID IN 30 DAYS                   |
| SIGNATURE  | (1)/1  | Payfue  | 4  |            |  |                     | PRIN            | TED N       | AME            |                                 |



| CHARGE TO:       | Ancrie | an Wax | in In  | <br> |
|------------------|--------|--------|--------|------|
| ADDRESS          |        | 7/7    | 101 11 |      |
| CITY, STATE, ZII | CODE   |        |        | <br> |

**TICKET** 

| PAGE | OF |
|------|----|
| 1    | 1  |

|                   | · · · · · · · · · · · · · · · · · · · |                     |               |             |                 |               |      |
|-------------------|---------------------------------------|---------------------|---------------|-------------|-----------------|---------------|------|
| SERVIÇE LOCATIONS | WELL/PROJECT NO.                      | LEASE               | COUNTY/PARISH | STATE       | CITY            | DATE OWNER    |      |
| 1. Hays Ks        | #1-1                                  | Miller-Buckner      | Grahan        | Ks          |                 | 9-27-07 5.    | an e |
| 2.                | TICKET TYPE CONTRACTOR                |                     | RIG NAME/NO.  | - · · · · - | DELIVERED TO    | ORDER NO.     |      |
|                   | D SERVICE D SALES                     | rscovery Orla #1    |               | VIA T       | Location        |               |      |
| 3.                | WELL TYPE                             | WELL CATEGORY JOB F | PURPOSE       | , ,         | WELL PERMIT NO. | WELL LOCATION |      |
| 4.                | 011                                   | Development C.      | ment Longstri | 19          |                 |               |      |
| REFERRAL LOCATION | INVOICE INSTRUCTIONS                  | /                   |               | 8           |                 |               |      |
|                   | i i                                   |                     |               |             |                 |               |      |

| PRICE     | SECONDARY REFERENCE/  |     | ACCOUNTING |    | DESCRIPTION              |      |         |       |               | UNIT  |    | AMOUNT |          |
|-----------|---|-----|------------|----|--------------------------|------|---------|-------|---------------|-------|----|--------|----------|
| REFERENCE | PART NUMBER   | FOC | ACCT       | DF |                          | QTY. | U/M     | QTY.  | U/M           | PRICE |    |        | _        |
| 575       |   | 1   |            |    | MILEAGE #103             | 50   | ni.     |       | <u> </u>      | 4     | oc | 200    | ، ا      |
| 578       |   | /   |            |    | Pumo Charae (Longstrina) |      | Ca      | 37281 | !<br><u> </u> | 1250  | œ  | 1250   | 0        |
| 221       |   | 1   |            |    | KCL Equid                | 2    | ارمط    |       |               |       | 06 |        | 1 -      |
| 281       |   | 1   |            |    | Mudflush                 | 500  | Tool    |       |               |       | 75 | 375    | اعاً۔    |
| 402       |   | 1   |            |    | Centralizers             | 8    | 1<br>Ve | 5/    | [7]<br>L      | 95    | 00 | 760    | 0        |
| 403       |   | 1   |            |    | Basket                   | /    | 21      |       |               | . 290 | 00 | 290    | 10       |
| 404       | icans   | 1   |            |    | PortCollar               | /    | l-a     |       |               |       | 00 | 2360   | م ا<br>ا |
| 406       | CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE<br>CONSE | 7   |            |    | L.D. Plug + Baffle       | /    | 189     |       |               | 235   | re | 235    | 100      |
| 407       | PORATION OF 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2   | 1   |            |    | Insert Float Shoe W/211  | ,    | 69      |       | 7             | 310   | ac | 3/0    | lo       |
| 419       | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2   |     |            |    | Rotating Head            | /    | In a    |       |               | 250   | 00 | 250    | 10       |
| -         | DO7   | 1   |            |    |                          |      |         |       |               |       |    |        | Ī        |
|           | S S   |     |            |    |                          | i i  |         |       |               |       |    |        | Ţ        |

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

TIME SIGNED A.M. **REMIT PAYMENT TO:** 

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

| 高 1   |           |                |               | i                      | L        | i .      |
|---|-----------|----------------|---------------|------------------------|----------|----------|
| SURVEY  | AGREE     | UN-<br>DECIDED | DIS-<br>AGREE | PAGE TOTAL             | <i>t</i> | 00       |
| OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  |           |                |               | page TOTAL             | 6022     | 75       |
| WE UNDERSTOOD AND<br>MET YOUR NEEDS?  |           |                |               |                        |          | <u> </u> |
| OUR SERVICE WAS PERFORMED WITHOUT DELAY?  |           |                |               | subtotal               | 9406     | 75       |
| WE OPERATED THE EQUIPMENT<br>AND PERFORMED JOB<br>CALCULATIONS<br>SATISFACTORILY? |           |                |               | Graham<br>TAX<br>5.55% | 407      | 148      |
| ARE YOU SATISFIED WITH OUR SE   | RVICE?    | NO             |               |                        |          |          |
| CUSTOMER DID NOT  | WISH TO R | ESPOND         |               | TOTAL                  | 9814     | 23       |

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

SWIFT OPERATOR

#### TICKET CONTINUATION

TICKET No.

PO Box 466 Ness City, KS 67560

CUSTOMER AMERICAN WARRIOF FOR WELL Willer-Buckner Off: 785-798-2300

| Services           | - TREE OIT                          | 785-798-230 | U    | American War                      | MOR LAC     | 7-1 MIL      | er-Bu | icKNeF_  | 7-21.               |          |                    | <u> </u> |
|--------------------|-------------------------------------|-------------|------|-----------------------------------|-------------|--------------|-------|----------|---------------------|----------|--------------------|----------|
| PRICE<br>REFERENCE | SECONDARY REFERENCE/<br>PART NUMBER | ACCOUNTING  | TIME | DESCRIPTION                       |             | a anz        | UM."  | 'arv lum | UNITS<br>***PRICE** |          | AMOUN              |          |
| 325                |                                     | 2           |      | Standard Conc                     | nt          | 165 5        | 15    | !        | /2                  | 00       | 29.80              | ,00      |
| 276                |                                     | 2           |      | Florele                           |             | 40 0         | #     | 4 Tsk    | /                   | 25       | 50                 | 00       |
| 283                |                                     | 2           |      | Salt                              | -           | 900 1        | 4     | 10 %     | <u> </u>            | 20       | 180                | 100      |
| 284                |                                     | 2           |      | Calseal                           |             | 8 3          | . 1   | 5-0/0-   | 30                  | 00       | 240                |          |
| 285                |                                     | 2           |      | CFR-1                             |             | 80           | #     | 2%       | 4                   | oc       | 320                | 00       |
|                    | ,                                   |             |      |                                   |             | i            |       | i        |                     | !        |                    | 1.       |
|                    |                                     |             |      |                                   |             |              |       |          |                     |          |                    | <u> </u> |
|                    |                                     |             |      |                                   |             |              |       | I        |                     |          |                    |          |
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|                    |                                     |             |      |                                   |             |              |       |          |                     |          |                    | 1"<br>   |
|                    |                                     |             |      |                                   |             |              |       | <u> </u> |                     |          |                    | İ        |
|                    |                                     |             |      |                                   |             | l            |       | 1        |                     |          |                    | <u> </u> |
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|                    |                                     |             |      |                                   |             | <u>    i</u> |       | <u> </u> |                     |          |                    |          |
|                    |                                     |             |      |                                   |             |              |       |          | <u></u>             |          |                    | <u> </u> |
|                    |                                     |             |      |                                   |             |              |       |          |                     |          |                    | <u>i</u> |
|                    |                                     |             |      |                                   |             | <u> </u>     |       | <u> </u> |                     | !        |                    | <br>-1   |
|                    |                                     |             |      |                                   |             | <u> </u>     |       | <b>_</b> |                     |          |                    | <u> </u> |
|                    | KANS                                |             |      |                                   | \           |              |       |          |                     | <u>i</u> |                    | <u>i</u> |
| CONSE              | RECEIVED RECEIVED OF 2 2007         |             |      |                                   |             |              |       | ļ        |                     | <br>     |                    |          |
| WICHIT             | PORM<br>2                           |             |      |                                   |             |              |       |          |                     |          |                    |          |
| IA, KS             | 2 2                                 |             |      |                                   |             | i            |       |          |                     |          |                    |          |
| <b>8</b>           | N COMMIS                            |             |      |                                   |             |              |       |          |                     | l<br>L   |                    | I        |
|                    | SON                                 |             |      |                                   |             |              |       |          |                     |          |                    |          |
| 58)                |                                     | 2           |      | SERVICE CHARGE                    | 165sks      | CUBIC FEET   |       |          | /                   | 10       | 186                | 50       |
| 58)<br>583         |                                     | 2           |      | MILEAGE TOTAL WEIGHT CHARGE 17330 | OADED MILES | TON MILES    | 43    | 3.25     | /                   | 00       | 433                | 23       |
|                    |                                     |             |      |                                   |             |              |       | CONTIN   | IÚATIONTOTAL        |          | 18l<br>433<br>3384 | 1.75     |

SWIFT Services, Inc. JOB LOG DATE 9-27-07 PAGE NO. WELL NO. #1-/ CUSTOMER Miller Buckner JOB TYPE Coment Longstring TICKET NO. American Warrier Inc PRESSURE (PSI) CHART NO. VOLUME (BBL) (GAL) PUMPS TIME DESCRIPTION OF OPERATION AND MATERIALS С TUBING CASING 1200 1245 1415 200 1505 wash Pump + Line 64 1522 90,2 RECEIVED KANSAS COMPORATION COMMISSION OCT 2 2 2007 CONSERVATION DIVISION WICHITA, KS



## **Geological Report**

American Warrior Inc.
Miller – Buckner #1-1
1890' FNL & 2437' FWL
Sec. 1 T8S R22W
Graham County, Kansas

Hard Rock Consulting, Inc. Jason Alm Petroleum Geologist

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American Warrior, Inc.

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CONSERVATION DIVISION WICHITA, KS

#### **General Data**

Well Data:

American Warrior Inc.

Miller – Buckner #1-1

E/2 SE NW

1890' FNL & 2437' FWL Sec. 1 T. 8 S. R. 22 W. Graham County, Kansas API # 15-065-23327-0000

**Drilling Contractor:** 

Discovery Drilling Co., Inc. Rig #1

Spud Date:

September 21, 2007

Completion Date:

September 27, 2007

Elevation:

2125' Ground Level 2133' Kelly Bushing

Directions:

Bogue KS, North to Hwy 24 & 18 Jct., West 1 mi.,

North 1 mi., West ½ mi. South into location

Casing:

212' 8 5/8" surface casing 3732' 5 ½" production casing

Samples:

10' wet and dry, 3100' to RTD

**Drilling Time:** 

3000' to RTD

Electric Logs:

Wedge-Log Tech, "Mike Garrison"

CNL/CDL, DIL, MEL, BHCS

Drillstem Tests:

Three, Trilobite Testing Inc. "Dan Bangle" COMFIDENTIAL

Problems:

None

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#### **Formation Tops**

|                  | <del></del>            |
|------------------|------------------------|
|                  | American Warrior, Inc. |
|                  | Miller - Buckner #1-1  |
|                  | Sec. 1 T8S R22W        |
| <b>Formation</b> | 1890' FNL & 2437' FWL  |
| Anhydrite        | 1670', +467            |
| Base             | 1703', +430            |
| Topeka           | 3100', -967            |
| Heebner          | 3311', -1178           |
| Toronto          | 3332', -1199           |
| Lansing          | 3344', -1211           |
| BKc              | 3546', -1413           |
| Arbuckle         | 3647', -1514           |
| RTD              | 3728', -1595           |
| LTD              | 3732', -1599           |

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### **Sample Zone Descriptions**

**LKc A-zone** (3344', -1211):

Ls – Fine crystalline, fossil onlites with poor to fiar oomoldic and onlicastic porosity, oil stain with fair saturation in porosity, show of free oil, good odor, fair to good yellow oil cut fluorescents.

LKc C-zone (3380', -1247):

Ls – Fine crystalline with poor vuggy porosity, fossil oolites with poor oolicastic porosity, oil stained with good saturation in porosity, **show of free oil**, strong "rotten" odor, fair yellow oil cut fluorescents, "wet".

**LKc D-zone** (3393', -1260):

Ls – Sl. Dolo – Fine crystalline with poor inter-crystalline and fair vugular porosity porosity, heavy oil stain and saturation in porosity, **good show of free oil**, strong odor, bright oil cut yellow fluorescents.

LKc E-zone (3414', -1281):

Ls – Fine crystalline, fossil onlites with poor onlicastic porosity, oil stain with light saturation in porosity, no show of free oil, light to odor.

LKc F-zone (3422', -1289):

Ls – Fine crystalline, fossil oolites with poor to fair oolicastic and oomoldic porosity, oil stain with light saturation in porosity, slight show of free oil, dull yellow oil cut fluorescents, fair to strong odor.

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LKc K-zone (3492', -1392):

Ls – Fine crystalline, fossil oolite packstone with poor to fair oolicastic and oomoldic porosity, good oil stain with fair saturation in porosity, **show of free oil**, fair odor, good yellow oil cut fluorescents.

Cong. Sand (3635', -1502):

SS – Chert – Fine to medium grained, fairly sorted, well rounded, with very poor inter-granular porosity, gilsonite stain in porosity, no show of free oil, light odor.

**Arbuckle** 

(3637', -1537):

Dolo – Fine to medium to coarse crystalline with fair to good intercrystalline and vuggy porosity, heavy oil stain and saturation in porosity, **good show of free oil**, strong odor, fair yellow oil cut fluorescents.

#### **Drill Stem Tests**

Trilobite Testing Inc. "Tyson Flax"

**DST #1** 

Lansing-Kansas City A zone

Interval (3338' – 3355') Anchor Length 17'

IHP - 1633 #

IFP - 30" - B.O.B. 4 min.

ISI - 45" - 1" Blowback

FFP - 30" - B.O.B. 7 min.

267-426 #

FSI - 45" - ½" Blowback

856 #

FHP – 1565 # BHT – 109°F

Recovery: 526' GIP

251' GCO 90% Oil 10% Gas

Gravity: 36° API

124' OCMW 20% Oil 60% Water 20% Mud

744' Water

Chlorides: 78,000 ppm 1,000 ppm / system

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#### DST #2 Lansing-Kansas City D-E zones

Interval (3387' - 3415') Anchor Length 28'

IHP - 1640 #

IFP - 30" - B.O.B. 3 min. 30-304 #
ISI - 45" - Dead 789 #
FFP - 30" - B.O.B. 5 min. 315-453 #
FSI - 45" - Dead 790 #

FHP - 1602 # BHT - 110°F

Recovery:

62' GIP

75' CGO 90% Oil 10% Gas

Gravity: 35° API

124' OCGW 10% Oil 10% Gas 80% Water

630' Water

Chlorides: 62,000 ppm 2,000 ppm / system

#### DST #3 Arbuckle

Interval (3647' - 3654') Anchor Length 7'

IHP - 1895 #

IFP - 45" - B.O.B. 5 min.

ISI - 45" - Dead

FFP - 45" - 4"

FSI - 45" - Dead

EID - 1817 #

23-141 #

887 #

147-218 #

841 #

FHP - 1817 # BHT - 115°F

Recovery:

620' Clean Oil

100% Oil

Gravity: 26° API

### **Structural Comparison**

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|           | American Warrior, Inc. | Cities Service  | Arrowhead Petroleum |
|-----------|------------------------|-----------------|---------------------|
|           | Miller - Buckner #1-1  | Gordon #1       | Buckner /A/#1       |
|           | Sec. 1 T8S R22W        | Sec. 1 T8S R22W | Sec. 1 T8S R22W     |
| Formation | 1890' FNL & 2437' FWL  | SE NE NW        | 990' FNL & 990' FEL |
| Anhydrite | 1670', +467            | 1670', +476     | 1662', +460         |
| Base      | 1703', +430            | NA              | 1693', +429         |
| Topeka    | 3100', -967            | 3100', -954     | NA                  |
| Heebner   | 3311', -1178           | NA              | 3299', -1177        |
| Toronto   | 3332', -1199           | NA              | 3321', -1199        |
| Lansing   | 3344', -1211           | 3352', -1206    | 3335', -1213        |
| BKc       | 3546', -1413           | NA              | 3537', -1415        |
| Arbuckle  | 3647', -1514           | 3671', -1525    | 3643', -1521        |

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#### **Summary**

The location for the Miller – Buckner #1-1 well was found via 3-D seismic survey. The well ran low on nearly all structural except for the Arbuckle. Three Drill Stem Tests were conducted, two of which recovered oil and water from the Lansing-Kansas City. The third recovered commercial amounts of oil from the Arbuckle Formation. After all gathered data had been thoroughly examined the decision was made to run 5 ½" production casing to further evaluate the Miller – Buckner #1-1 well.

#### **Recommended Perforations**

Primary:

Arbuckle: (3647' - 3651') DST #3

LKc A-zone: (3347' - 3352') DST #1 -will make water

Before Abondonment:

LKc K-zone: (3578' - 3580') Not Tested LKc E-zone: (3415' - 3417') DST #2

LKc D-zone: (3398' - 3406') DST #2 -will make water

Respectfully Submitted,

Jason Alm

Hard Rock Consulting, Inc.

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