

Confidentiality Requested:

Yes No

# Kansas Corporation Commission Oil & Gas Conservation Division

1235158

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

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

| OPERATOR: License #   | API No. 15  |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|
| Name:   | Spot Description:   |  |  |  |  |  |  |
| Address 1:  |   |  |  |  |  |  |  |
| Address 2:  | Feet from North / South Line of S   |  |  |  |  |  |  |
| 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 #   | GPS Location: Lat:, Long:   |  |  |  |  |  |  |
| Name:   | (e.g. xx.xxxxxx) (e.gxxx.xxxxxxx)   |  |  |  |  |  |  |
| Wellsite Geologist:   | Datum: NAD27 NAD83 WGS84  |  |  |  |  |  |  |
| Purchaser:  | County:   |  |  |  |  |  |  |
| Designate Type of Completion:   | Lease Name: Well #:   |  |  |  |  |  |  |
| ☐ New Well ☐ Re-Entry ☐ Workover  | Field Name:   |  |  |  |  |  |  |
| □ Oil □ WSW □ SHOW   □ Gas □ D&A □ ENHR □ SIGW   □ OG □ GSW □ Temp. Abd.   □ CM (Coal Bed Methane) □ Cathodic □ Other (Core, Expl., etc.):    If Workover/Re-entry: Old Well Info as follows:       | Producing Formation:  Elevation: Ground: Kelly Bushing:  Total Vertical Depth: Plug Back Total Depth:  Amount of Surface Pipe Set and Cemented at: Fee  Multiple Stage Cementing Collar Used? Yes No  If yes, show depth set: Fee |  |  |  |  |  |  |
| Operator:   | If Alternate II completion, cement circulated from:   |  |  |  |  |  |  |
| Well Name:  | feet depth to:w/sx cmt.   |  |  |  |  |  |  |
| Original Comp. Date: Original Total Depth:  Deepening Re-perf. Conv. to ENHR Conv. to SWD  Plug Back Conv. to GSW Conv. to Producer  Commingled Permit #:  Dual Completion Permit #:  SWD Permit #: | 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:                                    |  |  |  |  |  |  |
| ☐ ENHR         Permit #:           ☐ GSW         Permit #:  | Operator Name:  |  |  |  |  |  |  |
| GSW Permit #:   | Lease Name: License #:  |  |  |  |  |  |  |
| Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date   | Quarter         Sec.         Twp.         S. R.         East         West           County:         Permit #:   |  |  |  |  |  |  |

#### **AFFIDAVIT**

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

**Submitted Electronically** 

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



| Operator Name:                              |                              |  | Lease Name: _        |                              |                      | Well #:          |                               |  |
|---|------------------------------|--|----------------------|------------------------------|----------------------|------------------|-------------------------------|--|
| Sec Twp                                     | S. R                         | East West  | County:              |                              |                      |                  |                               |  |
| open and closed, flow                       | ring and shut-in pressu      | ormations penetrated. Cures, whether shut-in prediction of the pre | essure reached stat  | ic level, hydrosta           | tic pressures, bot   |                  |                               |  |
|   |                              | otain Geophysical Data a<br>or newer AND an image  |                      | ogs must be ema              | illed to kcc-well-lo | gs@kcc.ks.go     | v. Digital electronic log     |  |
| Drill Stem Tests Taken (Attach Additional S |                              | Yes No   |                      |                              | on (Top), Depth ar   |                  | Sample                        |  |
| Samples Sent to Geol                        | logical Survey               | Yes No   | Nam                  | ie                           |                      | Тор              | Datum                         |  |
| Cores Taken<br>Electric Log Run             |                              | Yes No   |                      |                              |                      |                  |                               |  |
| List All E. Logs Run:                       |                              |  |                      |                              |                      |                  |                               |  |
|   |                              | CASING   | RECORD N             | ew Used                      |                      |                  |                               |  |
|   |                              | Report all strings set-  |                      |                              | ion, etc.            |                  |                               |  |
| Purpose of String                           | Size Hole<br>Drilled         | Size Casing<br>Set (In O.D.)   | Weight<br>Lbs. / Ft. | Setting<br>Depth             | Type of<br>Cement    | # Sacks<br>Used  | Type and Percent<br>Additives |  |
|   |                              |  |                      |                              |                      |                  |                               |  |
|   |                              |  |                      |                              |                      |                  |                               |  |
|   |                              | ADDITIONAL   | . CEMENTING / SQI    | JEEZE RECORD                 | <u> </u>             | 1                |                               |  |
| Purpose:  Perforate  Protect Casing         | Depth<br>Top Bottom          | Type of Cement   | # Sacks Used         | d Type and Percent Additives |                      |                  |                               |  |
| Plug Back TD Plug Off Zone                  |                              |  |                      |                              |                      |                  |                               |  |
|   | ulic fracturing treatment of | n this well?<br>aulic fracturing treatment ex  | roed 350 000 gallons | Yes                          |                      | p questions 2 ar | nd 3)                         |  |
|   |                              | submitted to the chemical of   | =                    | Yes                          | = ' '                | out Page Three   | of the ACO-1)                 |  |
| Shots Per Foot                              |                              | N RECORD - Bridge Plug<br>ootage of Each Interval Per  |                      |                              | cture, Shot, Cement  |                  | d<br>Depth                    |  |
|   |                              |  |                      |                              |                      |                  |                               |  |
|   |                              |  |                      |                              |                      |                  |                               |  |
|   |                              |  |                      |                              |                      |                  |                               |  |
| TUBING RECORD:                              | Size:                        | Set At:  | Packer At:           | Liner Run:                   |                      |                  |                               |  |
| TODING RECORD.                              | OILG.                        | Jet At.  | i aunei Al.          |                              | Yes No               |                  |                               |  |
| Date of First, Resumed                      | Production, SWD or ENF       | HR. Producing Meth   | nod:                 | Gas Lift C                   | Other (Explain)      |                  |                               |  |
| Estimated Production<br>Per 24 Hours        | Oil B                        | bbls. Gas  | Mcf Wat              | er B                         | bls. C               | as-Oil Ratio     | Gravity                       |  |
| DISPOSITION Vented Sold                     | ON OF GAS:                   | N Open Hole  | METHOD OF COMPL      |                              | mmingled             | PRODUCTIO        | DN INTERVAL:                  |  |
|   | bmit ACO-18.)                | Other (Specify)  | (Submit              |                              | mit ACO-4)           |                  |                               |  |

| Form      | ACO1 - Well Completion |  |  |  |
|-----------|------------------------|--|--|--|
| Operator  | American Warrior, Inc. |  |  |  |
| Well Name | Michael 1-10           |  |  |  |
| Doc ID    | 1235158                |  |  |  |

# Casing

| Purpose<br>Of String | Size Hole<br>Drilled | Size<br>Casing<br>Set | Weight |      | Type Of<br>Cement |   | Type and Percent Additives |
|----------------------|----------------------|-----------------------|--------|------|-------------------|---|----------------------------|
| Surface              | 12.25                | 8.625                 | 23     | 413  | Class A           |   | 3% cc/2%<br>gel            |
| Production           | 7.875                | 5.50                  | 15.5   | 3399 | EA-2              | _ | D-<br>Air/Flocele          |
|                      |                      |                       |        |      |                   |   |                            |
|                      |                      |                       |        |      |                   |   |                            |

# ALLIED OIL & GAS SERVICES, LLC Federal Tax I.D. # 20-8651475 063993

REMIT TO P.O. BOX 93999 SOUTHLAKE TEXAS 76002

SERVICE POINT:

| OLD OR NEW (Circle one)  CONTRACTOR Duke 8  TYPE OF JOB & 1/2002  HOLE SIZE 12/4 T.D. 4/3. 38  CEMENT  CASING SIZE 3/74 DEPTH 4/3. 38  TUBING SIZE DEPTH  TOOL DEPTH  TOOL DEPTH  PRES. MAX MINIMUM  COMMON 275 017.90 4.922. 3  PERFS. CHLORIDE 775 01.10 353. 32  FERFS. CHLORIDE 775 01.10 353. 32  EQUIPMENT  EQUIPMENT  EQUIPMENT  DISPLACEMENT 24. 85 FIRST 1/36  EQUIPMENT  EQUIPMENT  EQUIPMENT  DISPLACEMENT RICK  # 356 HELPER BED DEWELL  # 366 HELPER BED DEWELL  BULK TRUCK  # 37/1/2 DRIVER DAD CASPEC  BULK TRUCK  # 37/1/2 DRIVER DAD CASPEC  REMARKS:  ACCIDE 3.57 4.29 2.74 37.74  MILEAGE 13.57 4.29 4. 3.75  LOY2. 3  CHARGE TO: American Warrier  TOTAL 3.642.  TOTAL 3.642.  TOTAL 3.642.  TOTAL 3.642.  |   | LLAKE, I                | EAAS /0                | 092                            |                   |                  |                                       | Great Be                        | ind KS           |
|--|---|-------------------------|------------------------|--------------------------------|-------------------|------------------|---------------------------------------|---------------------------------|------------------|
| OLD OR NEW (Circle one)  CONTRACTOR Duke S  TYPE DP JOB Surface  HOLE SIZE JU T.D. 4/3. 38  CASINO SIZE 2/4 DEPTH 4/2. 38  CASINO SIZE 2/4 DEPTH 4/2. 38  CEMENT  AMOUNT ORDERED 275 Sc. Class A 39/600  EPTH DOLL DEPTH  TOOL DEPTH  PRES. MAX MINIMUM  MRAS. LINE SHODE JOINT  CEMENT LEFT IN CSG. /5 feet  FOR FREST  DISPLACEMENT 29. 25 Food 1/20  EQUIPMENT  EQUIPMENT  EQUIPMENT  EQUIPMENT  EQUIPMENT  SASC  FOUND CASPEC  BULK TRUCK  REMARKS:  REMAR   | DATE /0 - 64- £4                            | SEC.<br>/8              |                        |                                | CA                | LLED OUT         | ON LOCATION                           | HILSAN                          | 2115AA           |
| OLD ON NEW (Circle one)  CONTRACTOR PLAKE & CONTRAC   | LEASE Micheal                               | WELL#                   | 1-10                   | LOCATION FAS                   | it Hu             | 10 4 TO 4TT      | -Rd 11/0 5                            |                                 | STATE            |
| CONTRACTOR Dake \$ TYPE OF JOB Surface TYPE OF JOB Surface CASINO SIZE \$2'\sqrt{1D.4/3.78} DEPTH DRILL PIPE DEPTH DOLL DEPTH DOLL DEPTH TOOL DEPTH PRES. MAX MINIMUM MEAS. LINE SHOE JOINT GEL \$1'\tau\$ GEL \$1'\ta   | OLD OR NEW (Ci                              | rcle one)               |                        |                                |                   | <del></del>      |                                       | TAVE.                           | 17.3             |
| TYPE OF IOB CIACAC  HOLE SIZE 1244 TD. 4/3. 78  CASING SIZE 974 DEPTH 4/2. 35  DRILL PIPE DEPTH  TOOL  |   |                         |                        | LEAST TOTAL                    |                   | <del></del>      |                                       | _                               |                  |
| HOLE SIZE 12 1/2 TD. 4/3. 78  CASING SIZE 2 5/4 DEPTH  TOOL DEPTH  | CONTRACTOR /                                | Duke s                  | <u> </u>               |                                |                   | OWNER            |                                       |                                 |                  |
| CASING SIZE 75% DEPTH 1/2.38  TUBING SIZE DEPTH  TOOL  |   |                         |                        |                                |                   |                  |                                       |                                 |                  |
| TUBING SIZE  DEPTH TOOL  PRES. MAX  MINIMUM  AND DEPTH TOOL  PRES. MAX  MINIMUM  CEMENT LEFT IN CSC. /5 Foot  EQUIPMENT  EXAMINED  EXTRA FOOTAGE  EXTRA FOOTA   |   |                         |                        |                                |                   |                  |                                       |                                 |                  |
| DEPTH TOOL TOOL TOOL TOOL TOOL TOOL DEPTH TOOL DEPTH TOOL DEPTH TOOL TOOL TOOL TOOL TOOL TOOL TOOL TOOL  |   | <u>/4</u>               |                        |                                |                   | <b>AMOUNT OR</b> | DERED _275                            | SX Class A                      | 39000            |
| TOOL DEPTH PRES MAX MINIMUM SHOE JOINT CEMENT LEFT IN CSG. IS FROT  EQUIPMENT  EXTRA FOOTAGE  EXT   |   |                         |                        |                                |                   | 2% Gel           |                                       |                                 |                  |
| PRES. MAX MINIMUM MEAS. LINE SHOE JOINT CEMENT LEFT IN CSG. 15 Foot PERFS. DISPLACEMENT EQUIPMENT  EQUIPMENT  EQUIPMENT  EQUIPMENT  EQUIPMENT  PUMP TRUCK CEMENTER Kenin Koldy # 356 HELPER Ben Alcult BULK TRUCK # DRIVER  BULK TRUCK # DRIVER  BULK TRUCK # AND Ling 297. 37 @ 2.48 737. 43  REMARKS:  ACC BENEAR REMARKS:  ACC BE   |   |                         | DE                     | PTH                            |                   |                  |                                       |                                 |                  |
| MEAS_LINE  SHOE JOINT  CEMENT LEFT IN CSG. /S Fact / GEL  FORMIX  FORMIX  GEL  S 17 GEL  S 18 S S S S S S S S S S S S S S S S S S  |   |                         |                        |                                |                   |                  |                                       |                                 |                  |
| SHOE JOINT  CEMENT LEFT IN CSG. /5 Foot  PERFS.  DISPLACEMENT 29. 25 Frest 1/20  EQUIPMENT  EQUIPMENT  FUMP TRUCK  CEMENTER Kewil Eddy  # 366 HELPER Ren Newell  BULK TRUCK  # 371   |   |                         | MI                     | NIMUM                          |                   | COMMON           | 275                                   | 09.719                          | 4.922.5          |
| PERFS. DISPLACEMENT 24. 25 Fresh 1/20  EQUIPMENT  EQUIPMENT  PUMP TRUCK CEMENTER Kevil Eddly # 366 HELPER Beo Newell BULK TRUCK # 37/ //2 DRIVER DOW CASPEC BULK TRUCK # WENT ///2 DRIVER DOW CASPEC BULK TRUCK # WENT ///2 DRIVER DOW CASPEC BULK TRUCK # HANDLING 297. 37 @ 2. 48 73.75 /.082. 3  REMARKS:  Accided and Casebien, Held Safety meetings Magad up A fire Row 1/3, 38 et as 222 coss //osked to Mend and Baske Curc withing med Damp 5 RB15 fresh 1/20. Instead 215 so a  Class a 32 cc. 22 acl - Displaced 24. 25  BB15 at 1/20 Accident Disc Circ SHut in J, Rig Down  CHARGE TO: American Warrior  CHARGE TO: American Warrior  TOTAL 3. Cy2.  TOTAL 3. Cy2.  TOTAL 3. Cy2.  You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as its listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.  PRINTED NAME FIRST WARRES AND CONDITIONS" listed on the reverse side.  PRINTED NAME FIRST WARRES SALES TAX (If Any)  TOTAL CHARGES 9. 8 47.  TOTAL 101.00  TOT   |   |                         | SH                     | OE JOINT                       |                   | POZMIX           |                                       |                                 |                  |
| PERRS.  BOUSPLACEMENT 29. 85 Frest 1/20  EQUIPMENT  EQUIPMENT  PUMP TRUCK CEMENTER Kee'l Eddy # \$566 HELPER Rev Newell BULK TRUCK # WIT 1/12 DRIVER DAW CASPEC  BULK TRUCK # DRIVER  BULK TRUCK # DRIVER  HANDLING 297. 37 @ 2.48 737. 43 MILEAGE 13.57 4.29 4.75 737. 43 MILEAGE 14.75 1.75 8.75 737. 43 MILEAGE 14.75 1.75 8.75 737. 43 MILEAGE 15.75 8.75 8.75 73. 43 MILEAGE 15.75 8.75 8.75 73. 43 MILEAGE 15.75 8.75 8.75 73. 43 MILEAGE 15.75 8.75 8.75 8.75 73. 43 MILEAGE 15.75 8.75 73. 75 MILEAGE 1  |   | CSG. /                  | <u>5 foot</u>          |                                |                   | GEL              | 217                                   |                                 | 258.50           |
| EQUIPMENT  EXTRA FOOTAGE  EXTRA FOOT   |   |                         |                        |                                |                   | CHLORIDE         | 775                                   |                                 |                  |
| EQUIPMENT  PUMP TRUCK CEMENTER Ken'll Fiddly # 366 HELPER Ben Dewell  BULK TRUCK # WIT II DRIVER DAN CASPEC  BULK TRUCK # DRIVER  BULK TRUCK # HANDLING 297. 37 @ 2.48 737. 43   | DISPLACEMENT                                | 24-8                    | S Fres                 | 4 1/20                         |                   |                  |                                       |                                 |                  |
| PUMP TRUCK CEMENTER Keen well Eddy  # 366 HELPER Been Newell  BULK TRUCK  # 37 / 1/2 DRIVER Day Caspec  BULK TRUCK  # MANDLING 297. 37 @ 2.48 73.75 / .082. 3  REMARKS:  Acceptant (acordisa) Held Safety meetings  Repair for the state of the   |   |                         |                        |                                |                   |                  | Materia                               | 6. Total                        | (- A 33          |
| PUMP TRUCK CEMENTER Ken is field.  # 366 HELPER Ben is well  # 37 / 112 DRIVER DAD CASPEC  BULK TRUCK  # 27 / 112 DRIVER DAD CASPEC  BULK TRUCK  # DRIVER  REMARKS:  REMARKS:  Alleage /3.57 x 29 x 3.75 / 0 x 2.3   |   | -40                     | ,                      |                                |                   |                  |                                       |                                 |                  |
| # 366 HELPER BED DEWELL BULK TRUCK # WILL TRUCK # DRIVER  HANDLING 297. 37 @ 2.48 73.743  REMARKS:  ACCIDED AND 16 SPEC STRUCT  BULK TRUCK # HANDLING 297. 37 @ 2.48 73.743  REMARKS:  ACCIDED AND 16 SPEC STRUCT  ANDLING 297. 37 W 29 W 2.75 / .082 3 W 2.75 2 W 2.7   | DI II (D TD I ICI)                          | 053463                  | <del> //-</del>        |                                |                   |                  |                                       |                                 |                  |
| BULK TRUCK  # STATE  CHARGE TO: American Contractor to do work as is listed on the reverse side.  TOTAL CHARGES 9. \$4.7. \$2.9. \$3.9. \$2.9. \$3.9. \$2.9. \$3.9. \$2.9. \$3.9. \$3.9. \$2.9. \$3.9. |   |                         |                        |                                | —                 |                  |                                       |                                 |                  |
| BULK TRUCK  # DRIVER  REMARKS:  ## ANDLING 297. 37 @ 2.48 737.43  REMARKS:  ## ANDLING 297. 37 @ 2.48 737.43  REMARKS:  ## ANDLING 297. 37 @ 2.48 737.43  ## ANDLING 297. 37 @ 2.48 73 73  |   | HELPER                  | ISEN A                 | uewell                         |                   |                  |                                       |                                 | · ————           |
| BULK TRUCK  # DRIVER  REMARKS:  REMARKS: RICHARGE 13.57 \ 2.9 \ 2.7 \ 2.0 \ 2.1  |   |                         | _                      | _                              |                   |                  | · · · · · · · · · · · · · · · · · · · |                                 |                  |
| REMARKS:  REMARKS:  REMARKS:  Accined and Cocotion, Held Safety meetings Placed and Cocotion, Held Safety meetings Placed and Block Circ Wright  Plane 1 Stills first H20 - Miked 2755x 05  Class A 320 CC 220 Gel - Displaced 29.85  Bis of Fresh H20 - Cament Did Circ  Still in, Rig Dona)  CHARGE TO: American Warrior  CHARGE TO: American Warrior  STREET  CITY  STATE  TOTAL 3.682.  SALES TAX (If Any)  TOTAL 131.99  TOTAL 131.90  TOTAL 13   |   | DRIVER                  | DAN (                  | CASPEC                         |                   |                  |                                       |                                 |                  |
| REMARKS:  ACCORDED ON COORDING, Held SAfety meeting, Pigged up Air Ram 4/3, 38 ft of 8 28 26 65 27 26 24. 85 28 26 65 27 28 26 65 27 28 24 24. 85 28 26 65 27 28 24 24. 85 28 26 65 27 28 24. 85 28 26 24. 85 28 26 24. 85 28 26 24. 85 28 26 24. 85 28 26 24. 85 28 26 24. 85 28 26 24. 85 28 26 24. 85 28 26 24. 85 28 26 26 24. 85 28 26 26 24. 85 28 26 26 26 26 26 26 26 26 26 26 26 26 26   |   |                         |                        | •                              |                   | ·                |                                       |                                 |                  |
| REMARKS:  ACCIDENTIAL LAGGREN HEAD SAFETY MEETING.  AND AND AND ROLL SAFETY MEETING.  AND AND AND ROLL SAFETY MEETING.  AND AND AND ROLL SAFETY MEETING.  AND AND AND AND ROLL SAFETY MEETING.  AND  | # !   | DRIVER                  |                        |                                |                   | HANDLING 2       | 97.37                                 | - @ <del>2.48</del>             | 737.48           |
| REMARKS:  Accided on Cogorion Held Safety meetings  Placed up - N'C Roby 413.38 ft os 8 20065/25  Man o 5 Roby 413.38 ft os 8 20065/25  Man o 5 Roby 120 mired 215 se of  Class A 3% Cc. 2% Gel - Displaced 24.85  Bils of Fresh H20 classif Nid clic  SHut in , Rig Dono)  CHARGE TO:  MANIFOLD  White A 127 we will also be contracted to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervisor of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.  PRINTED NAME  SERVICE  DEPTH OF JOB  PUMP TRUCK CHARGE /512.35  EXTRA FOOTAGE   MILEAGE Hum 29 @ 7.70 223.30  MANIFOLD   MANIFOLD   MILEAGE Hum 29 @ 7.70 223.30  MANIFOLD   MANIFOL   |   |                         |                        |                                |                   |                  |                                       |                                 |                  |
| SERVICE  Single Lag - Ri's Ray 4/3.38 ff os 878 Chsis  Mosked To Head And Broke Circ Wrig mud  Dam of Rish Hoo. Miked 275 st ef  Class a 3% cc 2% cel Displace 24.85  BBIs of Fresh Hoo. Combail Did Circ  SHut in, Rig Dann)  CHARGE TO: American Warrier  CHARGE TO: STATE  CITY  STATE  TOTAL  Jan 29  PLUG & FLOAT EQUIPMENT  INVALUE TO A Substitution and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.  PRINTED NAME  SERVICE  DEPTH OF JOB  PUMP TRUCK CHARGE  /5/2. 35  EXTRA FOOTAGE  @  MILEAGE Hum 29  @ 7.70  223.30  MANIFOLD  @  TOTAL  J. 60  TOTAL  J. 60  TOTAL  J. 60  TOTAL  J. 60  SALES TAX (If Any)  TOTAL  J. 60  SALES TAX (If Any)  TOTAL  J. 60  TOTAL  J. 60  TOTAL  J. 60  J. 70  J. 70  J. 60  J. 70  J. 70  J. 60  J. 70  J. 60  J. 70  J. 60  J. 70  J. 70  J. 60  J. 70  J. 60  J. 70  |   | DE                      | MADEC.                 |                                |                   |                  |                                       |                                 | . <u>/.0 . x</u> |
| CHARGE TO: American warrier  STREET  STATE  TOTAL  J. 682.  J. 7 683.  TOTAL  J. 682.  TOTAL  J. 683.  J. 7 683.  TOTAL  J. 683.  TOTAL  J. 683.  J. 7 683.  TOTAL  J. 683.  TOTAL  J. 683.  J. 7 683.  TOTAL  J. 683.  J. 7 683.  TOTAL  J. 683.  J. 7 683.  J. 7 683.  TOTAL  J. 683.  J. 7 683.  J. 7 683.  TOTAL  J. 683.  J. 7 683.  J. 683.  J. 7 683.  J.   | Pump 5 BBis<br>Class A 3% C<br>BBIs of Fle: | fresh<br>c 2%<br>sh H20 | H20.1<br>Gel-L<br>Cene | miked 275 Sx C<br>Displaced 24 | <u>04</u><br>1.85 | PUMP TRUCK       | CHARGE                                |                                 | 2                |
| CHARGE TO: American warrior  STREET  CITY  STATE  ZIP  PLUG & FLOAT EQUIPMENT  I Rubber Plug  (a) 131.00  (b) 137.40  TOTAL  TOTAL  I Rubber Plug  (c) 131.00  (d) 131.00  (e) 137.40  (f)   | SHUTINI                                     | Rig Do                  | لميم                   | <u> </u>                       |                   |                  |                                       |                                 | 223.30           |
| CHARGE TO: American warrior  STREET  CITY  STATE  ZIP  PLUG & FLOAT EQUIPMENT  TOTAL 3.682. 736. 736.  TOTAL 3.682. 736.  TOTAL 431.  END AMERICAN CONDITIONS" listed on the reverse side.  PRINTED NAME  TOTAL 431.  SALES TAX (If Any)  TOTAL CHARGES 9.847.  |   |                         |                        |                                |                   |                  |                                       |                                 |                  |
| CHARGE TO: American warrior  STREET  CITY  STATE  ZIP  PLUG & FLOAT EQUIPMENT    Rubber Plug   |   |                         |                        |                                |                   |                  |                                       |                                 | 127.60           |
| TOTAL 3.682.  CITY STATE ZIP PLUG & FLOAT EQUIPMENT    Rubber Plug   | •   |                         |                        |                                |                   |                  |                                       |                                 |                  |
| TOTAL 3.682.  CITY STATE ZIP PLUG & FLOAT EQUIPMENT    Rubber Plug   | CHARGE TO: A                                | merior                  | 21) / 20               | and a se                       |                   |                  |                                       |                                 |                  |
| To: Allied Oil & Gas Services, LLC.  You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.  PRINTED NAME  TOTAL CHARGES 9. 8 47.  DISCOUNT PRINTED NAME  TOTAL CHARGES 9. 8 47.  JAMES TOTAL CHARGES 9. 8 47.  JOSCOUNT PRINTED NAME STATE STATE POLICIONS IN 30 DAYS   | CHARGE TO. <u>F. F.</u>                     |                         | 170 0077               | 77767                          | _                 |                  |                                       | TOTAL                           | 3.682.           |
| To: Allied Oil & Gas Services, LLC.  You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.  PRINTED NAME  PRINTED N   | STREET                                      |                         |                        |                                |                   |                  | r.                                    |                                 |                  |
| To: Allied Oil & Gas Services, LLC.  You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.  PRINTED NAME  TOTAL 131. 20  SALES TAX (If Any)  TOTAL CHARGES 9. 8 47. 34  DISCOUNT 1. 9 69. 47. 30/30/30/30/30/30/30/30/30/30/30/30/30/3  | OIT!  | 077                     |                        | 215                            |                   |                  | 42                                    | 2010                            | 704.             |
| To: Allied Oil & Gas Services, LLC.  You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.  PRINTED NAME  TOTAL 131.99  A6.20  TOTAL CHARGES 9.847.34  DISCOUNT   | C11 Y                                       | \$1                     | AIE                    |                                |                   |                  | PLUG & FLOA                           | T EQUIPMEN                      | T                |
| To: Allied Oil & Gas Services, LLC.  You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.  PRINTED NAME  TOTAL 131.99  A6.20  TOTAL CHARGES 9.847.34  DISCOUNT   |   |                         |                        |                                |                   | 1 Rubber         | Plus                                  | _ @ <u>/ 3</u> /. <sup>გ0</sup> | 131.00           |
| To: Allied Oil & Gas Services, LLC.  You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.  PRINTED NAME  TOTAL 131. 20  SALES TAX (If Any)  TOTAL CHARGES 9. 847. 34  DISCOUNT  TOTAL CHARGES 9. 847   |   |                         |                        |                                |                   |                  |                                       |                                 |                  |
| You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.  PRINTED NAME  TOTAL 131.20  SALES TAX (If Any)  TOTAL CHARGES 9.847.34  DISCOUNT  TOTAL CHARGE   | To: Allied Oil 9-4                          | Gas Same                | ione TT                | •                              |                   |                  |                                       |                                 | -                |
| and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.  PRINTED NAME  TOTAL 131.20  SALES TAX (If Any)  TOTAL CHARGES 9.847.34  DISCOUNT  TOTAL CHARGES 9.847.34  DISCOUN   |   |                         |                        |                                |                   |                  |                                       |                                 |                  |
| and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.  PRINTED NAME STELLS ASSISTED TOTAL 131.22 TOTAL 131.22 TOTAL CHARGES 9.847.34  DISCOUNT 15 PAID IN 30 DAYS  |   |                         |                        |                                |                   | -                |                                       |                                 |                  |
| done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.  PRINTED NAME  TOTAL  731.99  732.20  734.20  TOTAL CHARGES  7.847.34  DISCOUNT  DISCOUNT  TOTAL  1.949.47.34  DISCOUNT  DISCOUNT  TOTAL  1.949.47.34  DISCOUNT  DISCOUNT  TOTAL  1.949.47.34  DISCOUNT  DISCOUNT  TOTAL  1.949.47  DOJAO/20  DISCOUNT  D   |   |                         | •                      |                                |                   |                  |                                       |                                 |                  |
| contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.  PRINTED NAME  SALES TAX (If Any)  TOTAL CHARGES 9. 847. 34  DISCOUNT  DISCOUNT  TOTAL CHARGES 1. 9 69. 47  DISCOUNT  DISCOU   |   |                         |                        |                                |                   |                  |                                       | TOT+!                           | 131.00           |
| PRINTED NAME STED 1 STED ISSUED ON the reverse side.  SALES TAX (If Any)  TOTAL CHARGES 9. 847. 34  DISCOUNT 1. 9 49. 47 DO/20/20  DISCOUNT 1. 9 49. 47 DO/20/20   |   |                         |                        |                                |                   |                  |                                       | וסואו                           | 36.20            |
| PRINTED NAME STELLS 14 STEPHENS DISCOUNT 1. 9 69. 47. 34  DISCOUNT 1. 9 69. 47. 16 PAID IN 30 DAYS   |   |                         |                        |                                |                   | CALECTAT         | 16 A\                                 | من من                           | A Maria          |
| PRINTED NAME STELLS DISCOUNT IF PAID IN 30 DAYS  | TERMS AND CO                                | DITION                  | )NS" liste             | d on the reverse s             | ide.              | SALES IAX (      | ii Any)                               | 34                              |                  |
| PRINTED NAME STELLE A STELLE DISCOUNT D   |   |                         | <i></i>                | $\sim 1$                       |                   | TOTAL CHAP       | RGES 9. 84                            | 7. <del>91</del>                | <u> </u>         |
| PRINTED NAME COUNT IF PAID IN 30 DAYS  7. 8 7 7. 8 7   |   | Ster                    | 15 F/G                 | Hanilas S                      |                   | 20               | 90 1.96                               | 9. 47                           | P0/20/20)        |
| 7.877.87   | PRINTED NAME                                | راء است                 | 14 ju                  | - CP/TChi-                     |                   | DISCOUNT         |                                       | 2                               | IL IN 30'DAYS    |
|  |   | 11                      | - n / 1                |                                |                   |                  | 7. タ フ                                | 7. º/                           |                  |

| SWIFT         | 7 |
|---------------|---|
|               |   |
| Services, Inc | 5 |

| CHARGE TO: | Dinas       | Mainia     |  |
|------------|-------------|------------|--|
| ADDRESS    | - I Wheeler | in Warrior |  |
|            |             |            |  |

TICKET 27877

| Services,         |                                    | ITY, STATE, ZIP CODE |               |                      | PAGE 1 OF Z               |
|-------------------|------------------------------------|----------------------|---------------|----------------------|---------------------------|
| 1. REAL GT KS     | WELL/PROJECT NO.                   | 10 LEASE Michael     | COUNTY/PARISH | KS Bushton           | DATE OWNER 98CT 14        |
| 2. V              | TICKET TYPE CONTRACT SERVICE SALES | OR DOKS.             | RIG NAME/NO.  | SHIPPED DELIVERED TO | ORDER NO.                 |
| 4.                | WELL TYPE                          | Development 10       | cenent long 5 | WELL PERMIT NO.      | WELL LOCATION 10 -18 - 16 |
| REFERRAL LOCATION | INVOICE INSTRUCTIONS               | -                    |               | 0                    |                           |

| PRICE<br>REFERENCE | SECONDARY REFERENCE/<br>PART NUMBER |           | ACCOUNTING LOC ACCT D |    | DESCRIPTION                    |      | $\Box$ |          |      | UNIT    | AMOUNT     |
|--------------------|-------------------------------------|-----------|-----------------------|----|--------------------------------|------|--------|----------|------|---------|------------|
|                    | PARTHOMBER                          | 100       | ACCT                  | DF |                                | QTY. | U/M    | QTY. U   | J/M  | PRICE   |            |
| _ 575              |                                     | $\perp$ L |                       |    | MILEAGE TRK 114                | 70   | M      | !        |      | 600     | 420,00     |
| 578                |                                     | 1         |                       |    | PumpChage                      | /    | 00     | l.       |      | 1500 00 | 150000     |
| 402                |                                     | 1         |                       |    | Centralizer                    | 55   | ia-    | 810      | 20   | 70 00   | 560100     |
| 403                |                                     | i         |                       |    | Coment Brisket                 | 5½   | in     | 110      | 2a   | 300,00  | 300 00     |
| 406                |                                     | 1         |                       |    | latch down ohe & befalle       | 万岁   | in     | 10       | 29   | 2750    | 275100     |
| 407                |                                     | 1         |                       |    | Insect Float shoe w/ AUTO FILL | 52   | 1      | 10       | 201  | 37500   | 37500      |
|                    |                                     |           |                       |    | •                              |      |        |          |      |         |            |
|                    |                                     |           |                       |    |                                |      |        |          |      |         | i          |
|                    |                                     |           |                       |    |                                |      |        |          |      |         |            |
|                    |                                     |           |                       |    |                                |      |        | l l      |      |         |            |
|                    |                                     |           |                       |    |                                |      |        |          |      |         | İ          |
|                    |                                     |           |                       |    |                                |      |        |          |      |         |            |
|                    |                                     |           |                       | 1  |                                |      |        | T IIN. T | DIS. |         | 0 11 20 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 Sturt Styren
DATE SIGNED TIME SIGNED

REMIT PAYMENT TO:

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

|   |           |                |               |              | The second secon |     |
|---|-----------|----------------|---------------|--------------|--|-----|
| SURVEY  | AGREE     | UN-<br>DECIDED | DIS-<br>AGREE | PAGE TOTAL / | 3 4 30   | 00  |
| OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  |           |                |               | PAGE TOTAL   | 3812   | 12  |
| WE UNDERSTOOD AND MET YOUR NEEDS?   |           |                |               | 111          | 9302   | 128 |
| OUR SERVICE WAS<br>PERFORMED WITHOUT DELAY?                                       |           |                | -             | subtotal     |  |     |
| WE OPERATED THE EQUIPMENT<br>AND PERFORMED JOB<br>CALCULATIONS<br>SATISFACTORILY? |           |                |               | 7 TAX 9      | 456  | 99  |
| ARE YOU SATISFIED WITH OUR SE   |           | NO             |               |              | 5.0  |     |
| CUSTOMER DID NOT  | WISH TO F | RESPOND        |               | TOTAL        | 9759   | 81  |

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

Bejall

APPROVA

A.M. P.M.

Thank You!

SESENS.

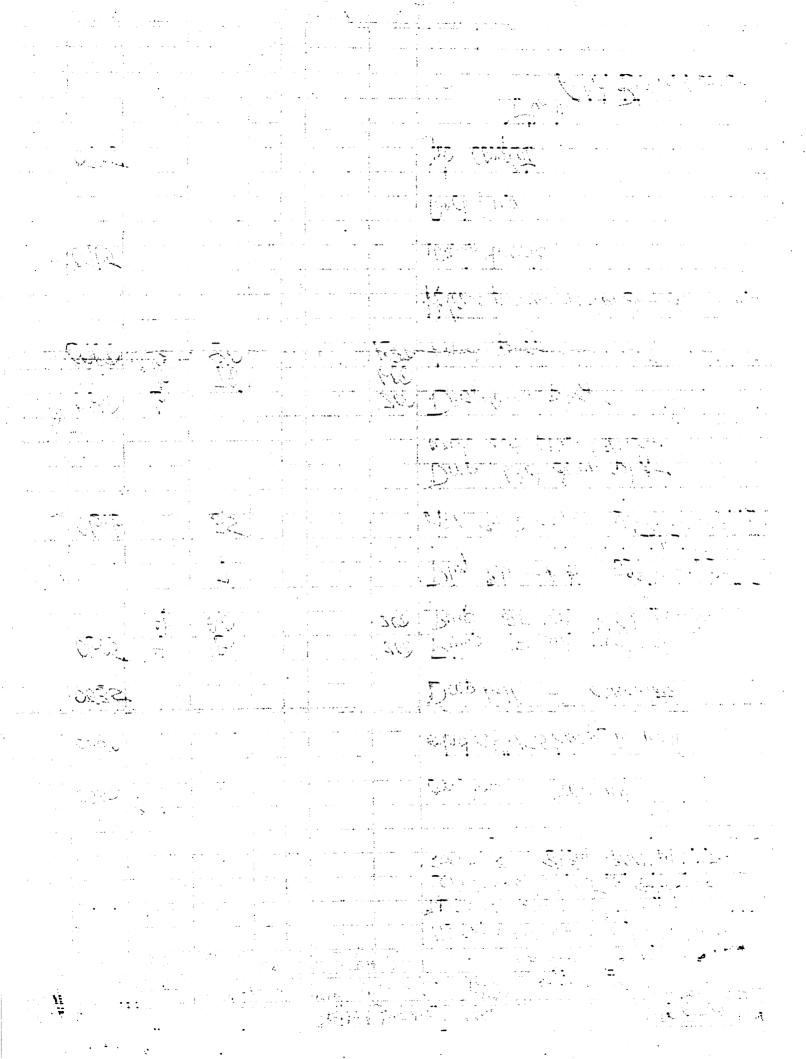
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TICKET No.

| Ness Ness Secondary reference Off.  32 32 33 33  | くと       |                                 | PO Box 466                        |       |               |              |         |                 |      | No. 27877  | 77         |                             |
|--|----------|---------------------------------|-----------------------------------|-------|---------------|--------------|---------|-----------------|------|------------|------------|-----------------------------|
|  | Securica | - Items                         | əss City, KS 67<br>iff: 785-798-2 | 300   | <b></b>       | ocica- I     | کار     | WELL<br>MICKAEL |      | DATE OF 14 | PAGE 21 OF | 9                           |
|  |          | SECONDARY REFERENCE PART NUMBER | ACCOUNT<br>10C ACCT               | NG TO | A contract of | DESCRI       |         | QTY U/N         | N/O  |            | AMOUNT     |                             |
| 1   Pobled -322   12   16   6   55   65   65   65   65   65  | 1        |                                 | <u> </u>                          | 1     |               | done         | (2.4.2) | <b>.</b>        | Γ.   | 8          | 2537       | 8                           |
| 1  | 244      |                                 | ~                                 |       |               |              | •       | 91 008          | 8 36 |            | 28B        | 00                          |
| 1   1   1   1   1   1   1   1   1   1  | 283      |                                 | -                                 |       |               | Such         |         | 12016           |      | -          | 180        | 8                           |
|  | 292      |                                 | 1                                 |       |               | B            |         | 125-16          |      | X &        | 1000       | 8                           |
|  | 276      |                                 | 1                                 |       |               | 8            |         | 91 05           |      | 2,30       | 125        | 8                           |
|  | 186      |                                 |                                   |       |               | これといる人       |         | 50 Ca/          |      | 1 12       | 625        | 8                           |
| 1   D-A-R   4/20    4/2    4   | 128      |                                 | -                                 |       |               | 7            |         | 2991            |      | 25 00      | 50         | 8                           |
| 175 CUBIC FEET 2000 350 100 100 100 100 100 100 100 100 100 1  | 340      |                                 | -                                 |       |               | 4            |         | 2901            |      | ∞ 2/7      | h\$        | 8                           |
| ТОТАЦ WEIGHT 70 CUBIC FEET 2003 350 (4) 136 (201) 150 (  |          |                                 |                                   |       |               |              |         |                 | _ -  |            |            |                             |
| 1 75 CUBIC FEET 200 358 (4) 38 (877)   |          |                                 |                                   |       |               |              |         |                 |      |            |            |                             |
| 175 CUBIC FEET 200 358 (4) 38 (827)  |          |                                 |                                   |       |               |              |         |                 |      |            |            |                             |
| ТОТАТ WEIGHT 175 CUBIC FEET 200 350 с 100 гота Weight 100 miles 70 гом miles 6 41.38 / 1 го 64/15  |          |                                 |                                   |       |               |              |         |                 |      |            |            | <u> </u>                    |
| НАРВЕ / 75 CUBIC FEET 200 35D 1 100 MILES 641.38 / 10 24/ 15 100 100 100 100 100 100 100 100 100   | -        |                                 |                                   |       |               |              |         |                 |      |            |            |                             |
| тота, weight 235 Lowded Miles 70 175 CUBIC FEET 200 350 с 4/1 3 6 4/1 3 6 4/1 3 6 4/1 3 6 4/1 3 6 6/4 3 6/4 3 6/4 3 6/4 3 6/4 3 6/4 3 6/4 3 6/4 3 6/4 3 6/4 3 6/4 3 6/4 3 6/4 3 6/4 3 6/4 3 6  |          |                                 |                                   |       |               |              |         |                 |      |            |            |                             |
| HARGE 175 CUBIC FEET 200 350 LUNALES 10 TOW MILES 10 138 LW 641 3  |          |                                 |                                   |       |               |              |         |                 |      |            |            |                             |
| TOTAL WEIGHT 175 CUBIC FEET 200 350 4/1 38 1 10 64/1 5   |          |                                 |                                   |       |               |              |         |                 |      |            |            |                             |
| TOTAL WEIGHT (175 CUBIC FEET 200) 3570 (191) 56  |          |                                 |                                   |       |               |              |         | -               |      | -          |            |                             |
| TOTAL WEIGHT 175 CUBIC FEET 200 350 CUL STALL WEIGHT 100 MILES 10 MILES 641.38 1 M 641 15  |          |                                 |                                   |       |               |              |         |                 | -    |            |            |                             |
| TOTAL WEIGHT 175 CUBIC FEET 200 350 (4) 36 (4) 5   |          |                                 |                                   |       |               |              |         |                 |      |            |            | $_{\perp} oldsymbol{\perp}$ |
| TOTAL WEIGHT #325 LONDED MILES 70 100 MILES 647.38 1 10 641 3  |          |                                 |                                   |       |               |              |         |                 | -    |            |            |                             |
| TOTAL WEIGHT 8325 LOADED MILES 70 TON MILES 641. 38 1 10 641 5   |          |                                 |                                   |       |               |              |         |                 | _    |            |            | $_{\perp} oldsymbol{f L}$   |
| TOTAL WEIGHT 3255 LONDED MILES 70 175 CUBIC FEET 541.38 1 10 641 15  |          |                                 |                                   |       |               |              |         |                 |      |            |            |                             |
| TOTAL WEIGHT 8325 LOADED MILES 70 TON MILES 641.38 1 10 641 15   | 58       |                                 |                                   |       |               | IARGE        | 176     | CUBIC FEET      |      | 200        | 350        | 8                           |
| TOTAL MOINTING CONTINUING TO THE PARTY OF TH | 583      |                                 | 1                                 |       |               | TOTAL WEIGHT | ĭ       |                 | 1.38 | œ /        | 147        | X                           |
|  |          |                                 |                                   |       |               |              |         |                 | : 1  |            | 4071       | 11                          |

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| OMER        | erian U | Jarrior       | WELL NO.              | -10    |           | LEASE W | lichae | DATES OCT 14 PAGENTO  L JOB TYPE Commit long string TICKET NO. 27877 |
|-------------|---------|---------------|-----------------------|--------|-----------|---------|--------|--|
| IART<br>NO. | TIME    | RATE<br>(BPM) | VOLUME<br>(BBL) (GAL) | PUM    | PS C      | PRESSUR |        | DESCRIPTION OF OPERATION AND MATERIALS                               |
|             |         | let mi        | (BBL) (GAL)           | '      | U         | TUBING  | CASING | 1755ks EA-2 coment u/4 Flocale                                       |
|             |         |               |                       |        |           |         |        | TD=3400 52" x/5.5 # O16ings  |
|             |         |               |                       |        |           | 1       |        | Centralizers 1, 2, 4, 5, 6, 8, 10, 13                                |
|             |         | 4.            |                       |        |           |         |        | A  |
|             |         |               |                       |        |           |         |        | Byslet *3 81jts -3400' total pipe                                    |
|             | 0330    |               |                       |        |           |         |        | Y21  |
|             | 0000    |               |                       |        |           |         |        | on lac tex 114   |
|             | 0350    |               |                       |        |           |         |        | stant 52 ×15.5 casing in well  |
|             |         |               |                       |        |           |         |        | Side Sz. 1505 Casing in well   |
| -           | 0535    |               |                       |        |           |         |        | Drop ball - circulate  |
|             | 01005   | 4             | 12                    |        | $\dashv$  |         | 200    | Pino 12 bbl modflish   |
|             | -       | H             | 20                    |        |           |         | 200    | Pup 20 bb/ KCL flush   |
|             |         | 1             |                       |        |           |         |        | 1 and and the formation  |
|             |         |               | 7                     |        |           |         |        | Plug RH - MH 305k - 205h   |
|             |         |               | ,                     |        |           |         |        | 1  |
| -           | 06/6    |               | 35                    |        |           |         |        | Mix 2A-2 count 1253 @ 15,3pg   |
| +           |         |               |                       | +      | +         |         |        | Drop latch down plug   |
|             |         |               |                       | $\neg$ | $\dashv$  |         |        |  |
|             |         |               |                       | $\neg$ | $\forall$ |         |        | acust out purp & line  |
|             | 0640    | 6             |                       |        | T         |         | 200    | Displace plug  |
|             |         | 6             | 78                    |        | $\exists$ |         | 600    | Chipage 1  |
| (           | 5700    | 6             | 80                    |        |           |         | 1500   | Land plug  |
|             |         |               |                       |        |           |         |        |  |
| _           |         |               |                       |        |           |         |        | Release pressure to truck - dried up                                 |
| _           | 22816   |               |                       | _      | _         |         |        |  |
|             | 0705    |               |                       | +      | +         |         |        | washtruck  |
| +           |         |               |                       | +      | +         |         |        | Dodg   |
| +           |         |               |                       | +      | $\dashv$  |         |        | Rock up  |
|             | 0735    | -             |                       | 7      | 1         |         |        | Tob complete   |
|             |         |               |                       |        |           |         |        | 0  |
|             |         |               |                       |        |           | 7       |        | Flint, Blaine, & souries   |
|             |         |               |                       |        |           |         |        | flint, Blaine, & sparies   |
|             |         |               |                       |        |           |         |        | ,  |





Prepared For: American Warrior Inc

3118 Cummings Rd PO Box 399

Garden City KS 67846

ATTN: Kurt Talbott

# Michael #1-10

# 10-18s-10w Rice KS

Start Date: 2014.10.08 @ 01:07:30 End Date: 2014.10.08 @ 08:21:00 Job Ticket #: 60522 DST #: 1

Trilobite Testing, Inc 1515 Commerce Parkway Hays, KS 67601

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



American Warrior Inc

3118 Cummings Rd

Garden City KS 67846 ATTN: Kurt Talbott

PO Box 399

10-18s-10w Rice KS

Michael #1-10

Job Ticket: 60522

DST#: 1

Test Start: 2014.10.08 @ 01:07:30

# **GENERAL INFORMATION:**

Formation: **Arbuckle** 

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:50:40 Time Test Ended: 08:21:00

3207.00 ft (KB) To 3280.00 ft (KB) (TVD) Interval:

Total Depth: 3280.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good Hole Diameter:

Outside

Test Type: Conventional Bottom Hole (Initial)

Tester: Tate Lang Unit No: 77

Reference Elevations:

1787.00 ft (KB)

1779.00 ft (CF) KB to GR/CF: 8.00 ft

Serial #: 8898

Press@RunDepth:

Start Date:

Start Time:

625.25 psig @ 2014.10.08

01:07:31

3212.00 ft (KB) End Date:

End Time:

2014.10.08

Capacity: Last Calib.:

Time Off Btm:

8000.00 psig

2014.10.08

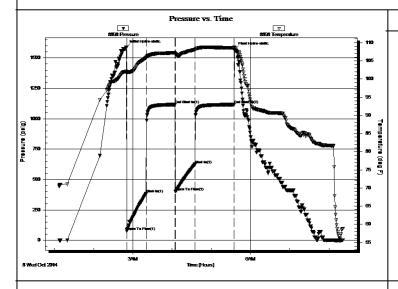
2014.10.08 @ 05:36:00

08:21:00

Time On Btm: 2014.10.08 @ 02:50:10

TEST COMMENT: 30-B.O.B. in 1 min

45-Dead no blow back 30-B.O.B. in 2 mins 60-Dead no blow back



| Ы | RESSUR | RE SU | JMMA | ۱RY |
|---|--------|-------|------|-----|
|   | _      |       |      |     |

| Time   | Pressure | Temp    | Annotation           |
|--------|----------|---------|----------------------|
| (Min.) | (psig)   | (deg F) |                      |
| 0      | 1588.32  | 102.05  | Initial Hydro-static |
| 1      | 74.75    | 101.77  | Open To Flow (1)     |
| 31     | 383.23   | 105.78  | Shut-In(1)           |
| 75     | 1116.41  | 107.19  | End Shut-In(1)       |
| 75     | 399.99   | 106.96  | Open To Flow (2)     |
| 105    | 625.25   | 108.08  | Shut-In(2)           |
| 165    | 1116.51  | 108.54  | End Shut-In(2)       |
| 166    | 1570.88  | 108.61  | Final Hydro-static   |
|        |          |         |                      |

# Recovery

| Length (ft) | Description          | Volume (bbl) |
|-------------|----------------------|--------------|
| 1223.00     | GO 35%G 65%O         | 17.16        |
| 186.00      | SMCGO 10%M 30%G 60%O | 2.61         |
| 186.00      | MCGO 30%M 20%G 50%O  | 2.61         |
|             |                      |              |
|             |                      |              |
|             |                      |              |
|             |                      |              |

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 60522 Printed: 2014.10.16 @ 11:05:22



American Warrior Inc

10-18s-10w Rice KS

3118 Cummings Rd PO Box 399 Garden City KS 67846 Michael #1-10 Job Ticket: 60522

DST#: 1

ATTN: Kurt Talbott

Test Start: 2014.10.08 @ 01:07:30

# **GENERAL INFORMATION:**

Formation: **Arbuckle** 

Interval:

Start Date:

Start Time:

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

Time Tool Opened: 02:50:40 Time Test Ended: 08:21:00

1787.00 ft (KB)

Unit No: 77

Tester:

3207.00 ft (KB) To 3280.00 ft (KB) (TVD) 3280.00 ft (KB) (TVD)

Reference Elevations:

1779.00 ft (CF)

Total Depth:

KB to GR/CF:

Tate Lang

8.00 ft

Hole Diameter: 7.88 inches Hole Condition: Good

Serial #: 8897 Inside

Press@RunDepth: 3212.00 ft (KB) psig @ 2014.10.08

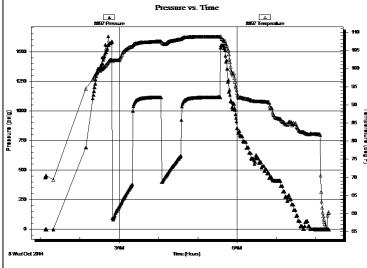
01:07:18

8000.00 psig Capacity: 2014.10.08

End Date: 2014.10.08 Last Calib.: End Time: Time On Btm: 08:20:37

Time Off Btm:

TEST COMMENT: 30-B.O.B. in 1 min 45-Dead no blow back 30-B.O.B. in 2 mins 60-Dead no blow back



# PRESSURE SUMMARY

|                     |        |          |         | • • • • • • • • • • • • • • • • • • • |
|---------------------|--------|----------|---------|---------------------------------------|
|                     | Time   | Pressure | Temp    | Annotation                            |
|                     | (Min.) | (psig)   | (deg F) |                                       |
|                     |        |          |         |                                       |
|                     |        |          |         |                                       |
|                     |        |          |         |                                       |
| ₫                   |        |          |         |                                       |
| TO TO               |        |          |         |                                       |
| Temperature (deg F) |        |          |         |                                       |
| 3                   |        |          |         |                                       |
|                     |        |          |         |                                       |
|                     |        |          |         |                                       |
|                     |        |          |         |                                       |
|                     |        |          |         |                                       |
|                     |        |          |         |                                       |
|                     |        |          |         |                                       |

#### Recovery

| Length (ft) | Description          | Volume (bbl) |
|-------------|----------------------|--------------|
| 1223.00     | GO 35%G 65%O         | 17.16        |
| 186.00      | SMCGO 10%M 30%G 60%O | 2.61         |
| 186.00      | MCGO 30%M 20%G 50%O  | 2.61         |
|             |                      |              |
|             |                      |              |
|             |                      |              |

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 60522 Printed: 2014.10.16 @ 11:05:22



**TOOL DIAGRAM** 

American Warrior Inc

10-18s-10w Rice KS

3118 Cummings Rd PO Box 399 Michael #1-10
Job Ticket: 60522

Garden City KS 67846 ATTN: Kurt Talbott cket: 60522 **DST#:1** 

Test Start: 2014.10.08 @ 01:07:30

**Tool Information** 

Drill Pipe: Length: 3193.00 ft Diameter: 3.80 inches Volume: 44.79 bbl Tool Weight: 2000.00 lb 0.00 inches Volume: 0.00 bbl Heavy Wt. Pipe: Length: 0.00 ft Diameter: Weight set on Packer: 20000.00 lb Drill Collar: Length: 0.00 ft Diameter: 2.25 inches Volume: 0.00 bbl Weight to Pull Loose: 76000.00 lb Total Volume: 44.79 bbl Tool Chased 15.00 ft

Drill Pipe Above KB: 6.00 ft
Depth to Top Packer: 3207.00 ft

3207.00 ft ft String Weight: Initial 50000.00 lb Final 58000.00 lb

Interval betw een Packers: 73.00 ft
Tool Length: 93.00 ft

Depth to Bottom Packer:

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |                         |
|------------------|-------------|------------|----------|------------|----------------|-------------------------|
| Shut In Tool     | 5.00        |            |          | 3192.00    |                |                         |
| Hydraulic tool   | 5.00        |            |          | 3197.00    |                |                         |
| Packer           | 5.00        |            |          | 3202.00    | 20.00          | Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 3207.00    |                |                         |
| Stubb            | 1.00        |            |          | 3208.00    |                |                         |
| Perforations     | 4.00        |            |          | 3212.00    |                |                         |
| Recorder         | 0.00        | 8897       | Inside   | 3212.00    |                |                         |
| Recorder         | 0.00        | 8898       | Outside  | 3212.00    |                |                         |
| Change Over Sub  | 1.00        |            |          | 3213.00    |                |                         |
| Drill Pipe       | 63.00       |            |          | 3276.00    |                |                         |
| Change Over Sub  | 1.00        |            |          | 3277.00    |                |                         |
| Bullnose         | 3.00        |            |          | 3280.00    | 73.00          | Bottom Packers & Anchor |

Total Tool Length: 93.00

Trilobite Testing, Inc Ref. No: 60522 Printed: 2014.10.16 @ 11:05:22



**FLUID SUMMARY** 

ppm

American Warrior Inc

10-18s-10w Rice KS

3118 Cummings Rd PO Box 399 Michael #1-10
Job Ticket: 60522

DST#: 1

Garden City KS 67846 ATTN: Kurt Talbott

Test Start: 2014.10.08 @ 01:07:30

**Mud and Cushion Information** 

Mud Type: Gel Chem Cushion Type: Oil API: 28 deg API

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

Viscosity: 50.00 sec/qt Cushion Volume: bbl

Water Loss: 7.99 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 3500.00 ppm Filter Cake: 1.00 inches

### **Recovery Information**

# Recovery Table

| Length<br>ft | Description          | Volume<br>bbl |
|--------------|----------------------|---------------|
| 1223.00      | GO 35%G 65%O         | 17.155        |
| 186.00       | SMCGO 10%M 30%G 60%O | 2.609         |
| 186.00       | MCGO 30%M 20%G 50%O  | 2.609         |

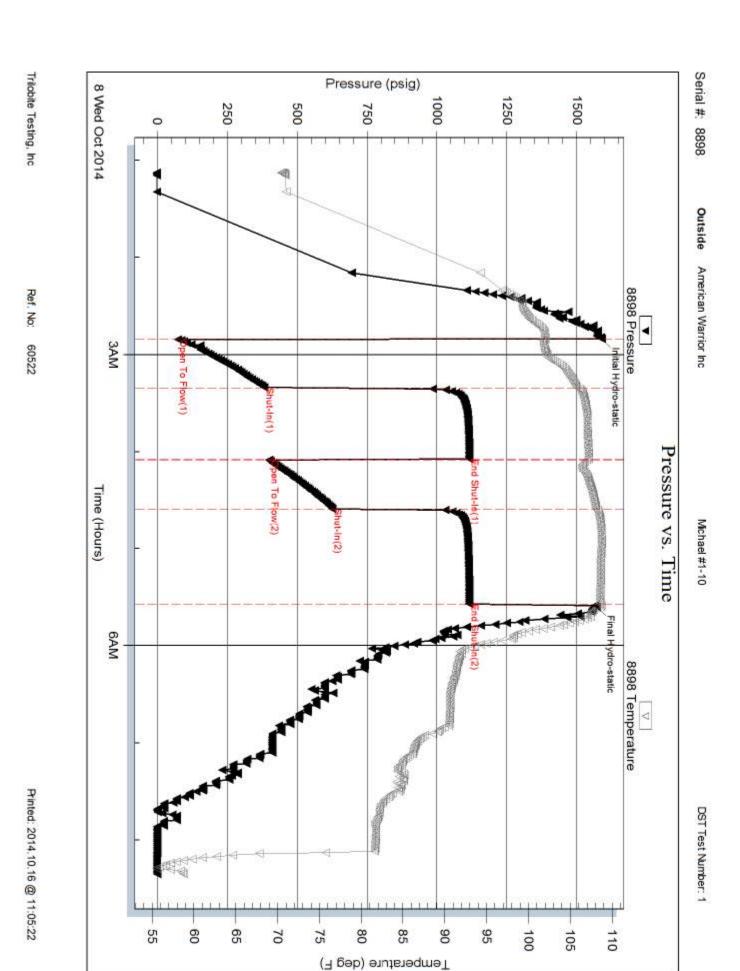
Total Length: 1595.00 ft Total Volume: 22.373 bbl

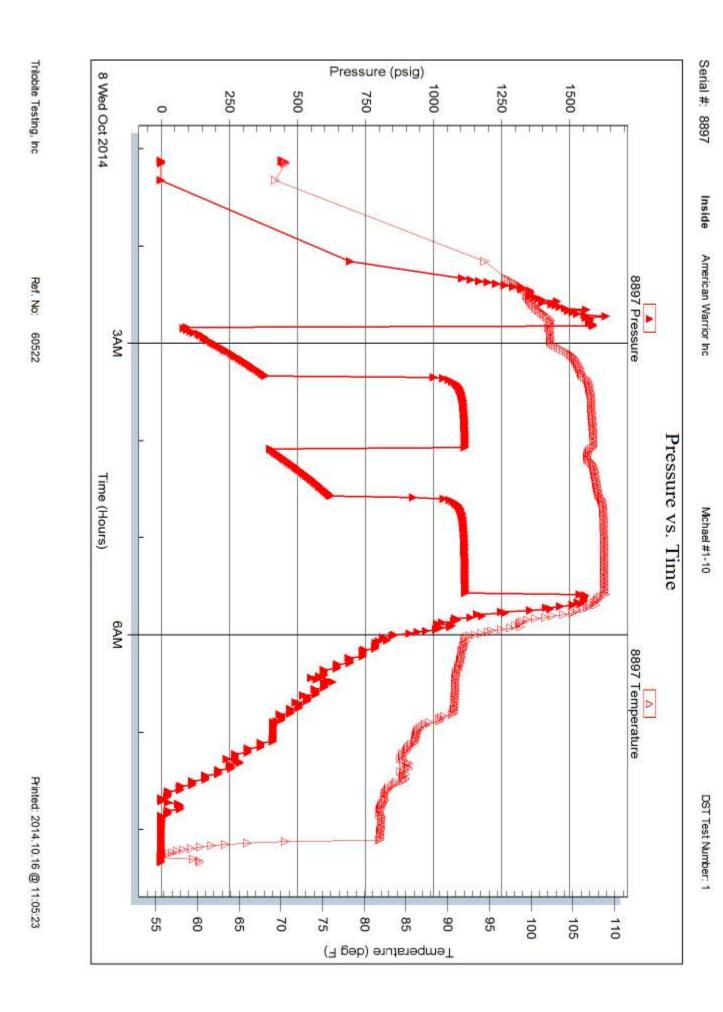
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 60522 Printed: 2014.10.16 @ 11:05:22







# **Test Ticket**

No. 60522

1515 Commerce Parkway • Hays, Kansas 67601

|                           | 1 1 16   |                    |                 |                  |              |
|---------------------------|--|--------------------|-----------------|------------------|--------------|
| Well Name & No. Michael   | #1-10  | Test No            | Da              | te 10-7-/        | 4            |
| Company American Warri    | ST INC   | Elevation          | 787 K           | (B / 77          | 2_GL         |
| Address 3118 Cummines R   | d. POBEX 39  | 9 Garden           | City HS         | 6784             | 6            |
| Co. Rep / Geo. Kurt       |  | Rig Dul            | (c)             |                  |              |
| Location: SecTwp          | /85 Age. /6W   | co. Rice           |                 | State #          | 5            |
| Interval Tested 3207 32   | Zone Tested _  | Arbudle            |                 |                  |              |
| Anchor Length_            | 73 Drill Pipe Run  | 3193               | Mud             | wt. 913          |              |
| Top Packer Depth          | Drill Collars Ru   | n _                | Vis _           | 50               |              |
| Bottom Packer Depth       | 20+ Wt. Pipe Run_  | 0                  | WL _            | 810              |              |
| Total Depth               | Chlorides  | ppn                | n System LCM    |                  |              |
| Blow Description          | PIMIN  |                    |                 |                  |              |
| yead no pl                | ow back  |                    |                 |                  |              |
| DIVIBI EL                 | Lmns   |                    |                 |                  |              |
| Dead NO Sh                | ow back  | 0/                 | 0/ e!!          | 9/weter          | 0/           |
| Rec Feet of GO            |  | %gas<br>%gas       | %oil<br>65%oil  | %water<br>%water | %mud<br>%mud |
| 101                       | 50   | 30 %gas            | %oil            | %water           | /O %mud      |
| Rec 186 Feet of 3 hC      | 60   | 20 %gas 5          | %oil            | %water           | PO %mud      |
| Rec Feet of               |  | %gas               | %oil            | %water           | %mud         |
| Rec Total 1595 BHT        | 08 Gravity 28  |                    | @°F Chl         |                  | ppm          |
| (A) Initial Hydrostatic   | 1150   |                    | _ T-On Location | 20100            | 0            |
| (B) First Initial Flow    | Jars   |                    | T-Started       | 010              | 7            |
| (C) First Final Flow      | Safety Joint   |                    | T-Open(         | 0249             |              |
| (D) Initial Shut-In       |  |                    | T-Pulled        | 534              |              |
| (E) Second Initial Flow   | Hourly Standby   | /                  | T-Out           | 2821             |              |
| (F) Second Final Flow     | Mileage  | 46 R/T 541         | _               |                  |              |
| (G) Final Shut-In         | Sampler  | 83.                | .70 ———         | - 3              |              |
| (H) Final Hydrostatic 157 | Straddle   |                    | - Ruined S      | Shale Packer     |              |
| 20                        |  |                    |                 | Packer           |              |
| Initial Open              |  |                    |                 | pies             |              |
| Initial Shut-In           | □ Extra Recorde  | r                  |                 | 0                |              |
| Final Flow                | Day Standby _  |                    | Total           | 1233.7           | 70           |
| Final Shut-In             | The state of the s |                    | MP/DST D        | sc't             |              |
|                           | Sub Total1   | 233.70             | 11              |                  |              |
| Approved By               |  | Our Representative | Mitale          |                  |              |

Musgrove



#### **Geologist's Report**

Company: American Warrior, Inc.

Lease: Michael #1-10

Field: NA

Surface Location: 1672' FSL & 2292' FWL

Sec: 10 Twp: 18S Rge: 10W County: Rice State: Kansas GL: 1779' KB: 1787'

Contractor: Duke Drilling Co., Rig #8 Spud: 10/3/14 Comp: 10/8/14 LTD: 3400' RTD: 3400'

Mud Up: +/- 2800' Mud Type: Chemical Displaced

Drilling Time Kept From: 2700' to RTD

Samples Saved From: 2700' to RTD Samples Examined: 2700' to RTD Geoloigcal Supervision: 2850' to RTD

Geologist on Well: Kurt Talbott

Surface Casing: 8 5/8"@ 413' Production Casing: 5 1/2"@

Wireline Logs: By Pioneer: CNL/CDL, DIL, MEL

# **Well Comparison**

#### **Spot Location**



Dolprim



Lmst fw<7 shale, grn



shale, gry Carbon Sh



shale, red Shcol

Ss Ss

#### **OTHER SYMBOLS**

**EVENTS** ⊥ւ Casing Shoe

- RTF
- Sidewall Left Casing Shoe ■ Right Casing Shoe

**INTERVALS** Core · DST

**DST** DST Int DST alt

