

| C | onfiden | tiality | / Request | ed: |
|---|---------|---------|-----------|-----|
|   | Yes     | N       | lo        |     |

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

1188416

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:   | SecTwpS. R 🗌 East 🗌 West  |
| Address 2:   | Feet from   |
| 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.xxxxx) (e.gxxx.xxxxx)  |
| Wellsite Geologist:  | Datum: NAD27 NAD83 WGS84  |
| Purchaser:   | County:   |
| Designate Type of Completion:  | Lease Name: Well #:   |
| ☐ New Well ☐ Re-Entry ☐ Workover   | Field Name:   |
| Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):  If Workover/Re-entry: Old Well Info as follows: Operator:  | Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet 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 #:  ENHR Permit #:  GSW 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:  Operator Name: License #: |
| Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date  | Quarter Sec.         TwpS. R East West           County:         Permit #:  |

#### **AFFIDAVIT**

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

**Submitted Electronically** 

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

Page Two



| Operator Name:   |                           |   | L                     | ease Name: _                            |                     |                       | Well #:          |                               |
|--|---------------------------|---|-----------------------|---|---------------------|-----------------------|------------------|-------------------------------|
| Sec Twp  | S. R                      | East We                                 | est C                 | County:                                 |                     |                       |                  |                               |
| INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to | ring and shut-in pres     | sures, whether sh                       | ut-in pressur         | e reached stati                         | c level, hydrosta   | tic pressures, bott   |                  |                               |
| Final Radioactivity Lo files must be submitted                 |                           |   |                       |   | gs must be ema      | iled to kcc-well-log  | gs@kcc.ks.go     | . Digital electronic log      |
| Drill Stem Tests Taker<br>(Attach Additional                   |                           | Yes                                     | No                    | L                                       |                     | n (Top), Depth an     |                  | Sample                        |
| Samples Sent to Geo  | logical Survey            | Yes                                     | No                    | Nam                                     | e                   |                       | Тор              | Datum                         |
| Cores Taken<br>Electric Log Run                                | Yes Yes                   | No<br>No                                |                       |   |                     |                       |                  |                               |
| List All E. Logs Run:  |                           |   |                       |   |                     |                       |                  |                               |
|  |                           | (                                       | CASING REC            | ORD Ne                                  | w Used              |                       |                  |                               |
|  |                           | · ·                                     |                       | ıctor, surface, inte                    | ermediate, producti |                       | T                |                               |
| Purpose of String  | Size Hole<br>Drilled      | Size Casin<br>Set (In O.D               |                       | Weight<br>Lbs. / Ft.                    | Setting<br>Depth    | Type of<br>Cement     | # Sacks<br>Used  | Type and Percent<br>Additives |
|  |                           |   |                       |   |                     |                       |                  |                               |
|  |                           |   |                       |   |                     |                       |                  |                               |
|  |                           |   |                       |   |                     |                       |                  |                               |
|  |                           |   |                       |   |                     |                       |                  |                               |
|  |                           | ADD                                     | ITIONAL CEN           | MENTING / SQL                           | JEEZE RECORD        |                       |                  |                               |
| Purpose:   | Depth<br>Top Bottom       | Type of Cem                             | ent #                 | # Sacks Used Type and Percent Additives |                     |                       |                  |                               |
| Perforate Protect Casing                                       | 100 20111111              |   |                       |   |                     |                       |                  |                               |
| Plug Back TD<br>Plug Off Zone                                  |                           |   |                       |   |                     |                       |                  |                               |
| 1 lag on zono  |                           |   |                       |   |                     |                       |                  |                               |
| Did you perform a hydrau                                       | ulic fracturing treatment | on this well?                           |                       |   | Yes                 | No (If No, ski)       | o questions 2 ar | nd 3)                         |
| Does the volume of the to                                      |                           | •                                       |                       |   |                     | _                     | o question 3)    | (" 100 ")                     |
| Was the hydraulic fractur                                      | ing treatment information | on submitted to the c                   | hemical disclo        | sure registry?                          | Yes                 | No (If No, fill o     | out Page Three   | of the ACO-1)                 |
| Shots Per Foot   |                           | ION RECORD - Bri<br>Footage of Each Int |                       |   |                     | cture, Shot, Cement   |                  | d<br>Depth                    |
|  | , ,                       |   |                       |   | ,                   |                       | ,                |                               |
|  |                           |   |                       |   |                     |                       |                  |                               |
|  |                           |   |                       |   |                     |                       |                  |                               |
|  |                           |   |                       |   |                     |                       |                  |                               |
|  |                           |   |                       |   |                     |                       |                  |                               |
|  |                           |   |                       |   |                     |                       |                  |                               |
| TUBING RECORD:   | Size:                     | Set At:                                 | Pa                    | acker At:                               | Liner Run:          |                       |                  |                               |
|  |                           |   |                       |   |                     | Yes No                |                  |                               |
| Date of First, Resumed   | Production, SWD or Ef     |   | cing Method:<br>owing | Pumping                                 | Gas Lift C          | ther <i>(Explain)</i> |                  |                               |
| Estimated Production<br>Per 24 Hours                           | Oil                       | Bbls. G                                 | as Mcf                | Wate                                    | er Bl               | ols. G                | ias-Oil Ratio    | Gravity                       |
| DIODOCITI  | ON OF CAS:                |   | RACT!!                |   | TIONI               |                       | DRODUCTIO        | AN INTEDVAL.                  |
| Vented Solo  | ON OF GAS:  Used on Lease | Open Ho                                 |                       | IOD OF COMPLE $\Box$                    |                     | nmingled              | PHODUCIIC        | ON INTERVAL:                  |
|  | bmit ACO-18.)             | Other (S                                | necify)               | (Submit                                 |                     | mit ACO-4)            |                  |                               |

### **CST Oil & Gas Corporation**

1690 155th St. Fort Scott, KS

Lease & Well No.

C.HEIM 2-19 INJ 2

Fax: 1-620-829-5306

Office: 1-620-829-5307

**Date** 11/11/2013

## **Cement & Acid Report**

Contractor C & G DRILLING

| nd of Job  | CEMENT    |                     | <b>Sec.</b> 19                          | <b>Twp.</b> 8S            | <b>Rng.</b> 22e  |
|------------|-----------|---------------------|---|---------------------------|------------------|
| Oua        | ntity     | Materials Used      |   |                           |                  |
|            | SKS       | Portland Cement     |   |                           |                  |
|            | SKS       | Bentonite           |   |                           |                  |
|            |           |                     |   |                           |                  |
|            |           |                     |   | <u>L</u>                  |                  |
|            |           |                     |   |                           |                  |
|            |           |                     |   |                           |                  |
|            |           |                     |   |                           |                  |
|            |           |                     |   |                           |                  |
|            |           |                     |   |                           |                  |
|            |           |                     |   |                           |                  |
|            |           |                     |   |                           |                  |
|            |           |                     |   |                           |                  |
| Vell T.D.  | 1269      |                     | Csg. Set At                             | 1262.5                    | Volume           |
|            |           |                     | Th - C - + A +                          |                           | Valuma           |
| ze Hole    |           |                     | ing Set At                              |                           | Volume           |
| lax. Press |           |                     | Size Pipe                               | 2 7/8                     |                  |
|            |           |                     | ·                                       |                           |                  |
| lug Depth  |           |                     | Pker Depth                              |                           |                  |
| الممال سيا |           |                     | Time Peg                                |                           |                  |
| iug Osea   |           |                     | Time Beg.<br>Time End                   |                           |                  |
|            |           |                     | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |                           |                  |
|            |           |                     |   |                           |                  |
| Remarks:   | Hooked on | to well. Pumped 135 | sks. Of cement ur                       | ntil it reache suface. Un | hooked from well |
|            |           |                     |   |                           |                  |
|            |           |                     |   |                           |                  |
|            |           |                     |   |                           |                  |
|            |           |                     |   |                           |                  |
|            |           |                     |   |                           |                  |
|            |           |                     |   |                           |                  |
|            |           |                     |   |                           |                  |
| /itnessed  | By:       |                     |   |                           |                  |
| Name       | -         | N SPENCER Nan       | ne ROBER                                | T HIXON Name              | DANIEL DALTON    |

#### Daily Drilling Report

|                 |                         |                    |               | -6 -11     | P               |            |            |     |     |  |
|-----------------|-------------------------|--------------------|---------------|------------|-----------------|------------|------------|-----|-----|--|
| Operator:       | Running Foxes Petroleum | Location:          | 660' FNL & 26 | 320' FEL   |                 | Coord.:    | W2 W2 NW N | Е   |     |  |
| Well Name:      | C Heim 2-19 Inj2        | County:            | Leavenworth   |            | State: KS       | Sec.       | 19         |     |     |  |
| Project Area:   | Leavenworth             | API #: _           | 15-103-21383- | 0000       |                 | Twp:       | 8S         |     |     |  |
| Spud Date:      | 10/10/2013              | Lat/Long:          | -95.0014215   | 39.3445099 |                 | Rge:       | 22E        | •   |     |  |
| Field:          | Leavenworth Northeast   | Logging Geologist: | Kurt Hodges   |            |                 | GL Elev:   | 875' Est   | кв: | N/A |  |
| Drilling Contr: | HAT Drilling            |                    |               |            | Toolpusher:     | Mike Thor  | npson      |     |     |  |
| Surf. Casing:   | 8 5/8"                  | Set @:             | 42'           |            | Cement Date:    |            |            |     |     |  |
| Surf. Bit:      | 12 1/4"                 | Out @:             | 42'           |            | Hole size:      | 6 3/4"     |            |     |     |  |
| Bit #1:         | 6 3/4" PDC              | In @: _            | 42'           |            | Drilling fluid: | Water base | ed mud     |     |     |  |
| Bit #2:         |                         | In @:              |               |            | Mud Pumps:      | Gardner-D  | enver 5x8  |     |     |  |
| Bit #3:         |                         | In @:              |               |            |                 |            |            |     |     |  |
|                 |                         |                    |               |            |                 |            |            |     |     |  |

| Date       | Start Depth | End Depth | Ft. Drilled |  |  |  |  |  |
|------------|-------------|-----------|-------------|--|--|--|--|--|
| 10/16/13   | 1269'       | 1269'     | 0'          |  |  |  |  |  |
| Oneretions |             |           |             |  |  |  |  |  |

7:00am HAT arrived and circulated. 8:00am TOOH. 10:00am Tucker Wireline arrived on location. 10:30am Logging began. 12:30pm Tucker off location. HAT will run casing before moving to the Runnebaum 1-22 SWD.

| Time      | Depth | Bit Weight | Pump PSI | Pump SPM | Table RPM | Mud Weight | Viscosity | Chlorides |
|-----------|-------|------------|----------|----------|-----------|------------|-----------|-----------|
|           |       |            |          |          |           |            |           |           |
|           |       |            |          |          |           |            |           |           |
|           |       |            |          |          |           |            |           |           |
|           |       |            |          |          |           |            |           |           |
|           |       |            |          |          |           |            |           |           |
|           |       |            |          |          |           |            |           |           |
|           |       |            |          |          |           |            |           |           |
| NA. 3/CIL | •     | •          |          | <u>-</u> | -         | · ·        |           |           |

Mud/Chemicals Mixed:

| Formation Entered    | Depth | Subsea | Units Gas | BG GAS | Prognosis | Hi/Low   |
|----------------------|-------|--------|-----------|--------|-----------|----------|
| Stark                | N/A   |        |           |        | 416       |          |
| Hushpuclney          | N/A   |        |           |        | 443       |          |
| BKC                  | 470   | 405    |           |        | 463       | 7' low   |
| Wayside              | 585   | 290    |           |        | 578       | 7' low   |
| Altamont             | 622   | 253    |           |        | 616       | 6' low   |
| Lake Neosho          | 627   | 248    |           |        | 621       | 6' low   |
| Anna                 | 671   | 204    |           |        | 665       | 6' low   |
| Little Osage         | 692   | 183    |           |        | 688       | 4' low   |
| Excello              | 715   | 160    |           |        | 709       | 6' low   |
| Squirrel             | 724   | 151    |           |        | 714       | 10' low  |
| Ardmore              | 814   | 61     |           |        | 811       | 3' low   |
| V Shale              | 816   | 59     |           |        | 813       | 3' low   |
| Tebo                 | 885   | -10    |           |        | 881       | 4' low   |
| Weir                 | 901   | -26    |           |        | 893       | 8' low   |
| Bartlesville         | 962   | -87    |           |        | 961       | 1' low   |
| Riverton coal marker | 1084  | -209   |           |        | 1086      | 2' high  |
| McLouth A            | 1098  | -223   |           |        | 1103      | 5' high  |
| McLouth B            | 1121  | -246   |           |        | 1133      | 12' high |
| McLouth C            | 1172  | -297   |           |        | 1168      | 4' low   |
| McLouth D            | 1203  | -328   |           |        | 1205      | 2' high  |
| Burgess              | 1244  | -369   |           |        | 1243      | 2' low   |
| Mississippian        | 1267  | -392   |           |        | 1278      | 11' high |
|                      |       |        |           |        |           |          |
|                      |       |        |           |        |           |          |
|                      |       |        |           |        |           |          |
|                      |       |        |           |        |           |          |
| OTT                  | SHOWS |        |           |        |           |          |

| Core Run  | From | То   | Recovery |            |
|-----------|------|------|----------|------------|
| #1        | 1164 | 1191 | 22'      | Cement     |
|           |      |      |          | Surface    |
|           |      |      |          | Sacks      |
|           |      |      |          | 130        |
|           |      |      |          | Class      |
|           |      |      |          | A          |
|           |      |      |          | Depth@TD   |
|           |      |      |          | 220' KB    |
|           |      |      |          |            |
|           |      |      |          |            |
|           |      |      |          | Cement     |
|           |      |      |          | Longstring |
|           |      |      |          | Sacks      |
|           |      |      |          |            |
| DST#      |      | RECO | VERY     |            |
| Interval: |      | ,    |          | Class      |
| Formation |      |      |          |            |
| Times     |      |      |          |            |
| ISIP      |      |      |          |            |
| IFP       |      |      |          | Depth@TD   |
| FFP       |      |      |          |            |
| FSP       |      |      |          |            |

OIL SHOWS

1172-1191 poor-fair show

1172-1191 McLouth C - Sand: grey-tan, well consolidated, slightly argillaceous, fine grained, sub rounded, poor-fair porosity, fair-good odor, occ brown stain, v little observed bleed, poor-fair show.

Comments:



Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Sam Brownback, Governor

Shari Feist Albrecht, Chair Thomas E. Wright, Commissioner Jay Scott Emler, Commissioner

February 14, 2014

Greg Bratton Running Foxes Petroleum Inc. 6855 S HAVANA ST, STE 400 CENTENNIAL, CO 80112

Re: ACO-1 API 15-103-21383-00-00 C Heim 2-19 INJ2 NE/4 Sec.19-08S-22E Leavenworth County, Kansas

Dear Greg Bratton:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 10/10/2013 and the ACO-1 was received on February 10, 2014 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

**Production Department**