Kansas Corporation Commission OIL & GAS CONSERVATION DIVISION

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:   |                 |                      | SecTwp S. R  |
| Address 2:   |                 |                      | Feet from North / South Line of Section                  |
| City: Sta  | ate: Zi         | p:+                  | Feet from  |
| 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.xxxxxx)                          |
| Wellsite Geologist:                                      |                 |                      | Datum: NAD27 NAD83 WGS84                                 |
| Purchaser:   |                 |                      | County:  |
| Designate Type of Completion:                            |                 |                      | Lease Name: Well #:                                      |
| New Well Re-   | Entry           | Workover             | Field Name:  |
|  |                 |                      | Producing Formation:                                     |
| ☐ Oil ☐ WSW ☐ D&A  | ☐ SWD           | ∐ SIOW<br>□ SIGW     | Elevation: Ground: Kelly Bushing:                        |
| ☐ Gas ☐ D&A<br>☐ OG                                      | GSW             | Temp. Abd.           | Total Vertical Depth: Plug Back Total Depth:             |
| CM (Coal Bed Methane)                                    | d3vv            | remp. Abu.           | Amount of Surface Pipe Set and Cemented at: Fee          |
| Cathodic Other (Core,                                    | . Expl., etc.); |                      | Multiple Stage Cementing Collar Used? Yes No             |
| If Workover/Re-entry: Old Well Info                      |                 |                      | If yes, show depth set: Fee                              |
| Operator:  |                 |                      | If Alternate II completion, cement circulated from:      |
| Well Name:   |                 |                      | feet depth to: sx cm                                     |
| Original Comp. Date:                                     |                 |                      | ·  |
| Deepening Re-perf.                                       | Conv. to E      | NHR Conv. to SWD     | Drilling Fluid Management Plan                           |
| ☐ Plug Back  | Conv. to G      | SW Conv. to Producer | (Data must be collected from the Reserve Pit)            |
| O constituents of  | D               |                      | Chloride content: ppm Fluid volume: bbls                 |
| <ul><li>☐ Commingled</li><li>☐ Dual Completion</li></ul> |                 |                      | Dewatering method used:                                  |
| SWD  |                 |                      | Location of fluid disposal if hauled offsite:            |
| ☐ ENHR   |                 |                      | Location of haid disposal if hadied offsite.             |
| ☐ GSW  |                 |                      | Operator Name:   |
| _  |                 |                      | Lease Name: License #:                                   |
| Spud Date or Date Rea                                    | ched TD         | Completion Date or   | QuarterSecTwpS. R East Wes                               |
| Recompletion Date  |                 | Recompletion Date    | 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

Confidentiality Requested:

Yes No

| 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: |  |  |  |  |

| Operator Name:   |  |                           |   | _ Lease I                | Name: _                |                                     |  | Well #:  |                               |
|--|--|---------------------------|---|--------------------------|------------------------|-------------------------------------|--|--|-------------------------------|
| Sec Twp  | S. R   | East                      | West                                    | County                   | :                      |                                     |  |  |                               |
| INSTRUCTIONS: Show open and closed, flowing and flow rates if gas to                       | ng and shut-in pressu<br>surface test, along w | ires, whe<br>rith final c | ther shut-in pre<br>chart(s). Attach    | ssure reac<br>extra shee | hed stati<br>t if more | c level, hydrosto<br>space is neede | atic pressures,<br>ed.                 | bottom hole temp   | erature, fluid recovery,      |
| Final Radioactivity Log, files must be submitted   |  |                           |   |                          |                        | gs must be em                       | alled to kcc-we                        | ii-iogs@kcc.ks.go  | v. Digital electronic log     |
| Drill Stem Tests Taken<br>(Attach Additional Sh  | neets)   | Y                         | es No                                   |                          |                        |                                     | ion (Top), Depth                       |  | Sample                        |
| Samples Sent to Geolo  | gical Survey                                   | Y                         | es No                                   |                          | Nam                    | е                                   |  | Тор  | Datum                         |
| Cores Taken<br>Electric Log Run  |  | ☐ Y                       | es No                                   |                          |                        |                                     |  |  |                               |
| List All E. Logs Run:  |  |                           |   |                          |                        |                                     |  |  |                               |
|  |  | Repo                      | CASING<br>ort all strings set-c         |                          | Ne                     |                                     | tion, etc.                             |  |                               |
| Purpose of String  | Size Hole<br>Drilled                           |                           | ze Casing<br>t (In O.D.)                | Weig<br>Lbs./            |                        | Setting<br>Depth                    | Type of<br>Cement                      | # Sacks<br>Used  | Type and Percent<br>Additives |
|  |  |                           |   |                          |                        |                                     |  |  |                               |
|  |  |                           | ADDITIONAL                              | CEMENTIN                 | NG / SQL               | JEEZE RECORD                        | )                                      |  |                               |
| Purpose:   | Depth<br>Top Bottom                            | Туре                      | of Cement                               | # Sacks                  | Used                   |                                     | Type ar                                | nd Percent Additives   |                               |
| Perforate Protect Casing Plug Back TD Plug Off Zone  |  |                           |   |                          |                        |                                     |  |  |                               |
| Plug Oil Zone  |  |                           |   |                          |                        |                                     |  |  |                               |
| Did you perform a hydraulic<br>Does the volume of the total<br>Was the hydraulic fracturin | al base fluid of the hydra                     | aulic fractu              | uring treatment ex                      |                          | -                      | Yes Yes Yes                         | No (If No                              | skip questions 2 ar<br>skip question 3)<br>fill out Page Three | ,                             |
| Shots Per Foot   |  |                           | RD - Bridge Plug:<br>Each Interval Perf |                          |                        |                                     | acture, Shot, Cen<br>Amount and Kind o | nent Squeeze Recor<br>f Material Used)                         | d<br>Depth                    |
|  |  |                           |   |                          |                        |                                     |  |  |                               |
|  |  |                           |   |                          |                        |                                     |  |  |                               |
| TUBING RECORD:   | Size:  | Set At:                   |   | Packer A                 | t:                     | Liner Run:                          | Yes                                    | No   |                               |
| Date of First, Resumed P   | roduction, SWD or ENF                          | łR.                       | Producing Meth                          | od:                      | g $\square$            | Gas Lift                            | Other (Explain)                        |  |                               |
| Estimated Production<br>Per 24 Hours   | Oil B  | bls.                      | Gas                                     | Mcf                      | Wate                   | er E                                | Bbls.                                  | Gas-Oil Ratio  | Gravity                       |
| DISPOSITION  | N OF GAS:                                      |                           | N                                       | IETHOD OF                | COMPI F                | TION:                               |  | PRODUCTION   | ON INTERVAL:                  |
| Vented Sold  | Used on Lease                                  |                           | Open Hole                               | Perf.                    | Dually                 | Comp. Co                            | ommingled                              |  |                               |
| (If vented, Subn   |  |                           | Other (Specify)                         |                          | (Submit )              | ACO-5) (Sui                         | bmit ACO-4)                            |  |                               |

| Form      | ACO1 - Well Completion    |  |  |
|-----------|---------------------------|--|--|
| Operator  | F. G. Holl Company L.L.C. |  |  |
| Well Name | KRUPP 3-10                |  |  |
| Doc ID    | 1174043                   |  |  |

## All Electric Logs Run

| CDL/CNL          |  |
|------------------|--|
| DIL              |  |
| BHCS             |  |
| Microresistivity |  |
| Fracfinder       |  |

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|-----------|---------------------------|--|--|
| Operator  | F. G. Holl Company L.L.C. |  |  |
| Well Name | KRUPP 3-10                |  |  |
| Doc ID    | 1174043                   |  |  |

## Tops

| Name          | Тор  | Datum |
|---------------|------|-------|
| Herrington    | 1855 | +91   |
| Winfield      | 1906 | +40   |
| Towanda       | 1972 | -26   |
| Fort Riley    | 2008 | -62   |
| B/Florence    | 2112 | -166  |
| Kinney Ls     | 2126 | -180  |
| Wrefold       | 2159 | -213  |
| Council Grove | 2181 | -235  |
| Neva          | 2362 | -416  |
| Red Eagle     | 2421 | -475  |
| Root Shale    | 2683 | -737  |
| Stotler       | 2734 | -788  |
| Tarkio        | 2798 | -852  |
| Howard        | 2946 | -1000 |
| Topeka        | 3018 | -1072 |
| Heebner       | 3324 | -1378 |
| Toronto       | 3347 | -1401 |
| Douglas Shale | 3363 | -1417 |
| Brown Lime    | 3447 | -1501 |
| LKC           | 3456 | -1510 |
| Drum          | 3578 | -1632 |
| Viola         | 3740 | -1794 |
| Arbuckle      | 3812 | -1866 |
| RTD           | 4000 | -2054 |
|               |      |       |

### **Summary of Changes**

Lease Name and Number: KRUPP 3-10

API/Permit #: 15-185-23836-00-00

Doc ID: 1174043

Correction Number: 1

Approved By: NAOMI JAMES

| Field Name          | Previous Value  | New Value   |
|---------------------|---|---|
| Approved Date       | 12/19/2013  | 12/23/2013  |
| Producing Formation | Arbuckle  | Simpson Sand  |
| Save Link           | //kcc/detail/operatorE<br>ditDetail.cfm?docID=11<br>63361 | //kcc/detail/operatorE<br>ditDetail.cfm?docID=11<br>74043 |



Confidentiality Requested:

Yes No

### Kansas Corporation Commission Oil & Gas Conservation Division

1163361

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

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

| OPERATOR: License #  | API No. 15  |
|--|---|
| Name:  | Spot Description:   |
| Address 1:   | SecTwpS. R  |
| Address 2:   | Feet from North / South Line of Section   |
| City:  | 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.xxxxxx)  |
| 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   | Producing Formation:  |
| Gas D&A ENHR SIGW  | Elevation: Ground: Kelly Bushing:   |
| ☐ OG ☐ GSW ☐ Temp. Abd.  | Total Vertical Depth: Plug Back Total Depth:  |
| CM (Coal Bed Methane)  | Amount of Surface Pipe Set and Cemented at: Feet  |
| Cathodic Other (Core, Expl., etc.):  | Multiple Stage Cementing Collar Used?   |
| If Workover/Re-entry: Old Well Info as follows:                                      | If yes, show depth set: Feet  |
| 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                                | Drilling Fluid Management Plan  |
| ☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer                                       | (Data must be collected from the Reserve Pit)   |
| Commingled Permit #:   | Chloride content: ppm Fluid volume: bbls  |
| Dual Completion Permit #:  | Dewatering method used:   |
| SWD Permit #:  | Location of fluid disposal if hauled offsite:   |
| ENHR Permit #:   | ·   |
| GSW Permit #:  | Operator Name:  |
|  | 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 III Approved by: Date: |  |  |  |  |