



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1205637  
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 # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- 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: \_\_\_\_\_

Well Name: \_\_\_\_\_

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 #: \_\_\_\_\_

|                                   |                 |   |
|-----------------------------------|-----------------|---|
| Spud Date or<br>Recompletion Date | Date Reached TD | Completion Date or<br>Recompletion Date |
|-----------------------------------|-----------------|---|

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

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: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

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: \_\_\_\_\_

1205637

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

|  |   |
|--|---|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>List All E. Logs Run: _____ | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>Name Top Datum |
|--|---|

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used  |                   |                           |                   |               |                |              |                            |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. |                   |                           |                   |               |                |              |                            |
| Purpose of String   | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD  |                  |                |              |                            |
|--|------------------|----------------|--------------|----------------------------|
| Purpose:   | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate<br><input type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><input type="checkbox"/> Plug Off Zone |                  |                |              |                            |
|  |                  |                |              |                            |

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br><i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |

|                |       |         |            |   |
|----------------|-------|---------|------------|---|
| TUBING RECORD: | Size: | Set At: | Packer At: | Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No |
|----------------|-------|---------|------------|---|

|   |  |
|---|--|
| Date of First, Resumed Production, SWD or ENHR. | Producing Method:<br><input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ |
|---|--|

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
|                                   |           |         |             |               |         |

|  |  |   |
|--|--|---|
| <b>DISPOSITION OF GAS:</b><br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | <b>METHOD OF COMPLETION:</b><br><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ | <b>PRODUCTION INTERVAL:</b><br>_____<br>_____ |
|--|--|---|

Miami County, KS  
Well: Doherty KR-18  
Lease Owner: KS. Resources

Town Oilfield Service, Inc.  
(913) 837-8400

Commenced Spudding:  
4/29/2014

WELL LOG

| Thickness of Strata | Formation   | Total Depth |
|---------------------|-------------|-------------|
| 21                  | Soil-Clay   | 21          |
| 21                  | Shale       | 42          |
| 21                  | Lime        | 63          |
| 10                  | Shale       | 73          |
| 5                   | Lime        | 78          |
| 38                  | Shale       | 116         |
| 14                  | Lime        | 130         |
| 11                  | Shale       | 141         |
| 26                  | Lime        | 167         |
| 6                   | Shale       | 173         |
| 20                  | Lime        | 193         |
| 3                   | Shale       | 196         |
| 19                  | Lime        | 215         |
| 3                   | Shale       | 218         |
| 3                   | Shale       | 221         |
| 17                  | Shale       | 238         |
| 7                   | Sand        | 245         |
| 11                  | Sandy Shale | 256         |
| 74                  | Shale       | 330         |
| 6                   | Sandy Shale | 336         |
| 20                  | Shale       | 356         |
| 8                   | Broken Sand | 364         |
| 12                  | Sandy Lime  | 376         |
| 3                   | Sandy Lime  | 379         |
| 7                   | Sandy Lime  | 386         |
| 2                   | Sandy Lime  | 388         |
| 2                   | Sandy Lime  | 390         |
| 1                   | Broken Sand | 391         |
| 4                   | Shale       | 395         |
| 4                   | Lime        | 399         |
| 1                   | Shale       | 400         |
| 7                   | Sandy Lime  | 407         |
| 3                   | Lime        | 410         |
| 4                   | Shale       | 414         |
| 3                   | Sand        | 417         |
| 5                   | Sandy Shale | 423         |
| 24                  | Shale       | 447         |
| 6                   | Lime        | 453         |
| 4                   | Sandy Shale | 457         |
| 10                  | Shale       | 467         |





**CONSOLIDATED**  
Oil Well Services, LLC

267799

TICKET NUMBER 47131  
LOCATION Ottawa  
FOREMAN Alan Madler

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

| DATE  | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE   | COUNTY |
|---|------------|--------------------|---------|----------|---------|--------|
| 4-30-14                                     | 4448       | Doherty KR-18      | NW 24   | 17       | 22      | Mi     |
| CUSTOMER<br>Kansas Resources ETD            |            |                    | TRUCK # |          |         |        |
| MAILING ADDRESS<br>9993 W 110 <sup>th</sup> |            |                    | DRIVER  |          | TRUCK # |        |
| CITY  |            |                    | DRIVER  |          | TRUCK # |        |
| STATE                                       |            |                    | DRIVER  |          | TRUCK # |        |
| ZIP CODE                                    |            |                    | DRIVER  |          | TRUCK # |        |
| Overland Park KS 66210                      |            |                    | 730     | Alc. Mad | Safety  | Meet   |
|   |            |                    | 368     | Alc. Mad |         |        |
|   |            |                    | 369     | Der. Mas |         |        |
|   |            |                    | 558     | Mat. Loc |         |        |

JOB TYPE loss strike HOLE SIZE 5 7/8 HOLE DEPTH 740 CASING SIZE & WEIGHT 2 7/8  
CASING DEPTH 719.35 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER 689.45  
SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING yes  
DISPLACEMENT 4.01 DISPLACEMENT PSI 800 MIX PSI 200 RATE 4 bpm

REMARKS: Held meeting. Established rate. Mixed & pumped 100# gel followed by 100 sk 50/150 cement plus 2# gel and 1/2# phenoseal per sack. Circulated cement. Flushed pump. Pumped plug to casing baffle. Well held 800 PST. Get float

Chad, TOS

*Alan Madler*

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT            | UNIT PRICE | TOTAL   |
|--------------|-------------------|---|------------|---------|
| 5401         | 1                 | PUMP CHARGE                                   | 368        | 1085.00 |
| 5406         | 25                | MILEAGE                                       | 368        | 105.00  |
| 5402         | 719.35            | casing footage                                | 368        |         |
| 5407         | 1/2 mi            | ton miles                                     | 558        | 184.00  |
| 5502C        | 1 1/2             | 80 gal  | 369        | 150.00  |
| 1124         | 100               | 50/150 cement                                 | 1150.00    |         |
| 1118B        | 268 #             | gel   | 58.96      |         |
| 1107A        | 50 #              | Pheno seal                                    | 67.50      |         |
|              |                   | Material sub                                  | 1276.46    |         |
|              |                   | less 30%                                      | -382.94    |         |
|              |                   | Material total                                |            | 893.52  |
| 41402        | 1                 | 2 1/2 plug                                    |            | 29.50   |
|              |                   | <input checked="" type="checkbox"/> completed | 2929.87    |         |
|              |                   | SALES TAX                                     |            | 70.62   |
|              |                   | ESTIMATED TOTAL                               |            | 2517.64 |

Revin 3737

AUTHORIZATION *[Signature]* TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.