



KANSAS CORPORATION COMMISSION 1091525  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 32834  
Name: JTC Oil, Inc.  
Address 1: PO BOX 24386  
Address 2: \_\_\_\_\_  
City: STANLEY State: KS Zip: 66283 + \_\_\_\_\_  
Contact Person: Tom Cain  
Phone: ( 913 ) 208-7914  
CONTRACTOR: License # 32834  
Name: JTC Oil, Inc.  
Wellsite Geologist: none  
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  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

|                                   |                   |   |
|-----------------------------------|-------------------|---|
| <u>07/24/2012</u>                 | <u>07/25/2012</u> | <u>08/08/2012</u>                       |
| Spud Date or<br>Recompletion Date | Date Reached TD   | Completion Date or<br>Recompletion Date |

API No. 15 - 15-107-24619-00-00

Spot Description: \_\_\_\_\_  
NE SW SE NW Sec. 21 Twp. 20 S. R. 22  East  West  
3010 Feet from  North /  South Line of Section  
1920 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW

County: Linn

Lease Name: Cox Well #: 22

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

Producing Formation: Squirrel

Elevation: Ground: 937 Kelly Bushing: 939

Total Depth: 636 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 20 Feet

Multiple Stage Cementing Collar Used?  Yes  No

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

If Alternate II completion, cement circulated from: 0

feet depth to: 20 w/ 3 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 1500 ppm Fluid volume: 80 bbls

Dewatering method used: Evaporated

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

Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanna Garrison Date: 09/06/2012



1091525

Operator Name: JTC Oil, Inc. Lease Name: Cox Well #: 22

Sec. 21 Twp. 20 S. R. 22  East  West County: Linn

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

|   |  |
|---|--|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(If no, Submit Copy)</i><br><br>List All E. Logs Run:<br><br>Gamma Ray<br>Neutron<br>CCL | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>Name Top Datum<br>Gamma |
|---|--|

| CASING RECORD <input checked="" 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 |
| Surface   | 9                 | 7                         | 10                | 20            | Portland       | 3            | 50/50 POZ                  |
| Production  | 5.625             | 2.875                     | 8                 | 623           | Portland       | 68           | 50/50 POZ                  |
|   |                   |                           |                   |               |                |              |                            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD |                  |                |              |                            |
|---------------------------------------|------------------|----------------|--------------|----------------------------|
| Purpose:                              | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| ___ Perforate                         |                  |                |              |                            |
| ___ Protect Casing                    |                  |                |              |                            |
| ___ Plug Back TD                      | -                |                |              |                            |
| ___ Plug Off Zone                     | -                |                |              |                            |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br>(Amount and Kind of Material Used) | Depth |
|----------------|---|---|-------|
| 2              | 577-587   | 2" DML RTG  | 10    |
|                |   |   |       |
|                |   |   |       |
|                |   |   |       |

TUBING RECORD: Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

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

|   |   |  |
|---|---|--|
| DISPOSITION OF GAS:<br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION:<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> <i>(Submit ACO-4)</i><br><input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL:<br>_____<br>_____ |
|---|---|--|



**CONSOLIDATED**  
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720  
820-431-9210 or 800-467-8575

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

Vol. 4391 P. 2

TICKET NUMBER 37532  
LOCATION Ottawa KS  
FOREMAN Fred Mader

| DATE                  | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP   | RANGE      | COUNTY |
|-----------------------|------------|--------------------|---------|------------|------------|--------|
| 7/31/12               | 1174       | Cox # 22           | NW 21   | 20         | 22         | LN     |
| CUSTOMER              |            |                    | TRUCK # | DRIVER     | TRUCK #    | DRIVER |
| JTC Drilling A.G. Oil |            |                    | 506     | Fred Mader | Safety Mtg |        |
| MAILING ADDRESS       |            |                    | 369     | Art Mcb    | ARM        |        |
| 300 SE 21st           |            |                    | 369     | DerMas     | D.M.       |        |
| CITY                  | STATE      | ZIP CODE           | 548     | MIX Hse    | M.H.       |        |
| Topeka                | KS         | 66607              |         |            |            |        |

JOB TYPE Long string HOLE SIZE 6" HOLE DEPTH 630' CASING SIZE & WEIGHT 2 7/8 EUE  
 CASING DEPTH 623' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 2 1/2" Plug  
 DISPLACEMENT 3.6230 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 48PM

REMARKS: Establish pump rate. Mix Pump # Gel Flush. Mix Pump  
 69 sks OWC Cement. Cement to surface. Flush pump & lines  
 clean. Displace 2 1/2" Rubber plug to casing TD. Pressure to  
 700# PSI. Release pressure to set float valve. Shut in  
 casing.

JTC Drilling

Fred Mader

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL   |
|--------------|-------------------|------------------------------------|------------|---------|
| 5401         | 1                 | PUMP CHARGE                        |            |         |
| 5406         | 40 mi             | MILEAGE                            | 368        | 1020.00 |
| 5402         | 623               | Casing footage                     | 368        | 160.00  |
| 5407         | 1/2 min: min      | Ton Miles                          |            | N/C     |
| 5502R        | 1 1/2 hr          | 80 BBL Van Truck                   | 545        | 175.00  |
|              |                   |                                    | 369        | 135.00  |
| 1126         | 69                | OWC Cement                         |            | 1257.20 |
| 1118B        | 100 #             | Premium Gel                        |            | 21.00   |
| 4402         | 1                 | 2 1/2" Rubber plug                 |            | 28.00   |
|              |                   |                                    | 6.39       | 84.01   |
|              |                   |                                    |            | 2931.01 |

Form 3737

AUTHORIZATION [Signature]

251720

TITLE

SALES TAX ESTIMATED TOTAL 2931.01

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.

## DRILL LOG

Operator License# \_\_\_\_\_

API 15-107- 24619-00-00

Operator \_\_\_\_\_

Lease Name Cox

Address \_\_\_\_\_

Well # 22

Contractor JTC Oil, Inc.

Spud Date 7/24/12 Cement 7/31/12

Contractor License 32834

Location \_\_\_\_\_ of \_\_\_\_\_

T.D. 636 T.D. of Pipe 623

\_\_\_\_\_ feet from \_\_\_\_\_

Surf. Pipe Size 6 1/2 Depth 20 ft

\_\_\_\_\_ feet from \_\_\_\_\_

Kind of Well \_\_\_\_\_

County Linn

| Thickness | Strata | From | To  | Thickness | Strata      | From | To  |
|-----------|--------|------|-----|-----------|-------------|------|-----|
| 2         | soil   | 0    | 2   | 5         | lime        | 425  | 430 |
| 8         | clay   | 2    | 10  |           |             |      |     |
| 2         | shale  | 10   | 12  | 11        | shale       | 430  | 441 |
| 11        | lime   | 12   | 23  | 2         | lime        | 441  | 443 |
| 36        | shale  | 23   | 59  | 6         | shale       | 443  | 449 |
| 1         | lime   | 59   | 60  | 3         | lime        | 449  | 452 |
| 11        | shale  | 60   | 71  | 33        | black shale | 452  | 485 |
| 12        | lime   | 71   | 83  | 9         | lime        | 485  | 494 |
| 8         | shale  | 83   | 91  | 75        | shale       | 494  | 509 |
| 11        | lime   | 91   | 102 | 2         | lime        | 509  | 511 |
| 1         | shale  | 102  | 103 | 2         | shale       | 511  | 513 |

|     |             |     |     |    |             |     |     |
|-----|-------------|-----|-----|----|-------------|-----|-----|
| 23  | mix         | 103 | 126 | 1  | lime        | 513 | 514 |
| 5   | black shale | 126 | 131 | 11 | shale       | 514 | 525 |
| 23  | lime        | 131 | 154 | 6  | lime        | 525 | 531 |
| 5   | black shale | 154 | 159 | 19 | shale       | 531 | 550 |
| 10  | lime        | 159 | 169 | 1  | lime        | 550 | 551 |
| 4   | shale       | 169 | 173 | 13 | shale       | 551 | 564 |
| 8   | lime        | 173 | 181 | 1  | sandy shale | 564 | 565 |
| 118 | shale       | 181 | 299 | 1  | little sand | 565 | 566 |
| 3   | lime        | 299 | 302 | 1  | little sand | 566 | 567 |
| 8   | shale       | 302 | 310 | 1  | little sand | 567 | 568 |
| 1   | lime        | 310 | 311 | 1  | little sand | 568 | 569 |
| 20  | shale       | 311 | 331 | 1  | little sand | 569 | 570 |
| 1   | lime        | 331 | 332 | 1  | little sand | 570 | 571 |
| 8   | shale       | 332 | 340 | 1  | little sand | 571 | 572 |
| 4   | lime        | 340 | 344 | 1  | little sand | 572 | 573 |
| 12  | shale       | 344 | 356 | 1  | little sand | 573 | 574 |
| 14  | lime        | 356 | 370 | 1  | little sand | 574 | 575 |
| 10  | shale       | 370 | 380 | 1  | little sand | 575 | 576 |
| 2   | lime        | 380 | 382 | 1  | good sand   | 576 | 577 |
| 47  | shale       | 382 | 429 | 1  | good sand   | 577 | 578 |
|     |             |     |     | 1  | sandy shale | 578 | 579 |
|     |             |     |     | 1  | sandy shale | 579 | 580 |

|   |             |     |     |
|---|-------------|-----|-----|
| 1 | little sand | 580 | 581 |
| 1 |             | 581 | 582 |
| 1 | little      | 582 | 583 |
| 1 |             | 583 | 584 |
| 1 | little      | 584 | 585 |
| 1 | little      | 585 | 586 |
| 1 | sand shale  | 586 | 587 |
| 1 | sand shale  | 587 | 588 |
| 1 | sand shale  | 588 | 589 |
| 1 | sand shale  | 589 | 590 |
| 1 | sand shale  | 590 | 591 |
| 1 | sand shale  | 591 | 592 |
| 1 | sand shale  | 592 | 593 |
| 1 | sand shale  | 593 | 594 |
| 1 | sand shale  | 594 | 595 |
| 1 | little      | 595 | 596 |
| 1 | little      | 596 | 597 |
| 1 | little      | 597 | 598 |
| 1 | good        | 598 | 599 |
| 1 | good        | 599 | 600 |
| 1 | v good      | 600 | 601 |
| 1 | v good      | 601 | 602 |

|    |        |     |     |
|----|--------|-----|-----|
| 1  | v good | 602 | 603 |
| 1  | v good | 603 | 604 |
| 1  | coal   | 604 | 605 |
| 1  | coal   | 605 | 606 |
| 1  | coal   | 606 | 607 |
| 1  | lime   | 607 | 608 |
| 2  | shale  | 608 | 610 |
| 20 | lime   | 610 | 630 |
| 1  | lime   | 630 | 631 |
| 5  | shale  | 631 | 636 |

end