



**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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or 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

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

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

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

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

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

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1103156

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

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

**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 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>Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(If no, Submit Copy)</i><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 |
| _____ Perforate<br>_____ Protect Casing<br>_____ Plug Back TD<br>_____ 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><i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |

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>_____ |
|---|---|--|

Franklin County, KS  
Well: W. Lidikay 80  
Lease Owner: L L

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

Commenced Spudding:  
11/21/2012

WELL LOG

15-059-26222-00-03

| Thickness of Strata | Formation   | Total Depth |
|---------------------|-------------|-------------|
| 0-33                | Soil-Clay   | 33          |
| 5                   | Lime        | 38          |
| 5                   | Shale       | 43          |
| 13                  | Lime        | 56          |
| 7                   | Shale       | 63          |
| 10                  | Lime        | 73          |
| 7                   | Shale       | 80          |
| 14                  | Lime        | 94          |
| 52                  | Shale       | 146         |
| 19                  | Lime        | 165         |
| 74                  | Shale       | 239         |
| 22                  | Lime        | 261         |
| 26                  | Shale       | 287         |
| 7                   | Lime        | 294         |
| 21                  | Shale       | 315         |
| 2                   | Lime        | 317         |
| 20                  | Shale       | 337         |
| 1                   | Lime        | 338         |
| 11                  | Shale       | 349         |
| 7                   | Lime        | 356         |
| 3                   | Shale       | 359         |
| 12                  | Lime        | 371         |
| 9                   | Shale       | 380         |
| 23                  | Lime        | 403         |
| 5                   | Shale       | 408         |
| 4                   | Lime        | 412         |
| 4                   | Shale       | 416         |
| 5                   | Lime        | 421         |
| 118                 | Shale       | 539         |
| 2                   | Sandy Shale | 541         |
| 2                   | Sand        | 543         |
| 6                   | Sand        | 549         |
| 51                  | Sandy Shale | 600         |
| 8                   | Lime        | 608         |
| 6                   | Shale       | 614         |
| 3                   | Lime        | 617         |
| 11                  | Shale       | 628         |
| 2                   | Lime        | 630         |
| 20                  | Shale       | 650         |
| 3                   | Lime        | 653         |



# Short Cuts

## TANK CAPACITY

BBLs. (42 gal.) equals  $D^2 \times 14 \times h$

D equals diameter in feet.

h equals height in feet.

## BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals BPH x PSI x .0004

BPH - barrels per hour

PSI - pounds square inch

## TO FIGURE PUMP DRIVES

\* D - Diameter of Pump Sheave

\* d - Diameter of Engine Sheave

SPM - Strokes per minute

RPM - Engine Speed

R - Gear Box Ratio

\*C - Shaft Center Distance

D -  $RPM \times d$  over  $SPM \times R$

d -  $SPM \times R \times D$  over RPM

SPM -  $RPM \times D$  over  $R \times D$

R -  $RPM \times D$  over  $SPM \times d$

BELT LENGTH -  $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

\* Need these to figure belt length

TO FIGURE AMPS:  $\frac{WATTS}{VOLTS} = AMPS$

746 WATTS equal 1 HP

# Log Book

Well No. 80

Farm West Lidikay

KS Franklin  
(State) (County)

04 16 21  
(Section) (Township) (Range)

For TDR Construction  
(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East  
Louisburg, KS 66053  
913-710-5400

West Lidikay Farm: Franklin County

KS State; Well No. 80

Elevation 10085

Commenced Spuding Nov 21 2012

Finished Drilling Nov 26 2012

Driller's Name Wesley Dollard

Driller's Name

Driller's Name

Tool Dresser's Name Ryan Ward

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name JOS

04 16 21

(Section) (Township) (Range) Distance from S line, 4900 ft.

Distance from E line, 5115 ft.

3 sacks  
8 hrs

CASING AND TUBING MEASUREMENTS

Table with 6 columns: Feet, In., Feet, In., Feet, In. Handwritten entries include 748.5 Baffle and 760.1 Float 2 7/8.

CASING AND TUBING RECORD

10" Set \_\_\_\_\_ 10" Pulled \_\_\_\_\_  
8" Set \_\_\_\_\_ 8" Pulled \_\_\_\_\_  
7 1/2" Set 21 6 1/4" Pulled \_\_\_\_\_  
4" Set \_\_\_\_\_ 4" Pulled \_\_\_\_\_  
2" Set \_\_\_\_\_ 2" Pulled \_\_\_\_\_

| Thickness of Strata | Formation   | Total Depth | Remarks |
|---------------------|-------------|-------------|---------|
| 0-33                | soil-clay   | 33          |         |
| 5                   | Lime        | 38          |         |
| 5                   | shale       | 43          |         |
| 13                  | Lime        | 56          |         |
| 7                   | shale       | 63          |         |
| 10                  | Lime        | 73          |         |
| 7                   | shale       | 80          |         |
| 14                  | Lime-shells | 94          |         |
| 52                  | shale       | 146         |         |
| 19                  | Lime        | 165         |         |
| 74                  | shale       | 239         |         |
| 22                  | Lime        | 261         |         |
| 26                  | shale       | 287         |         |
| 7                   | Lime        | 294         |         |
| 21                  | shale       | 315         |         |
| 2                   | Lime        | 317         |         |
| 20                  | shale       | 337         |         |
| 1                   | Lime        | 338         |         |
| 11                  | shale       | 349         |         |
| 7                   | Lime        | 356         |         |
| 3                   | shale       | 359         |         |
| 12                  | Lime        | 371         |         |
| 9                   | shale       | 380         |         |
| 23                  | Lime        | 403         |         |
| 5                   | shale       | 408         |         |
| 4                   | Lime        | 412         |         |
| 4                   | shale       | 416         |         |

416

| Thickness of Strata | Formation   | Total Depth | Remarks               |
|---------------------|-------------|-------------|-----------------------|
| 5                   | Lime        | 421         | Herthq                |
| 118                 | shale       | 539         |                       |
| 2                   | sandy shale | 541         |                       |
| 2                   | sand        | 543         | no Oil                |
| 6                   | sand        | 549         | slight show - wayside |
| 51                  | sandy shale | 600         |                       |
| 8                   | Lime        | 608         |                       |
| 6                   | shale       | 614         |                       |
| 3                   | Lime        | 617         |                       |
| 11                  | shale       | 628         |                       |
| 2                   | Lime        | 630         |                       |
| 20                  | shale       | 650         |                       |
| 3                   | Lime        | 653         |                       |
| 9                   | shale       | 662         |                       |
| 1                   | Lime        | 663         |                       |
| 8                   | shale       | 671         |                       |
| 1                   | Lime        | 672         |                       |
| 24                  | shale       | 696         |                       |
| 7                   | sandy shale | 703         |                       |
| 14                  | sand        | 717         | broken - 50% Oil      |
| 10                  | sand        | 727         | solid - good show     |
| 3                   | sand        | 730         | black - dead Oil      |
| 90                  | sandy shale | 820         | TD                    |
|                     |             |             |                       |
|                     |             |             |                       |
|                     |             |             |                       |
|                     |             |             |                       |
|                     |             |             |                       |





**CONSOLIDATED**  
Oil Well Services, LLC

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

TICKET NUMBER 38939  
LOCATION Ottawa, KS  
FOREMAN Casey Kennedy

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

| DATE                                | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP         | RANGE   | COUNTY         |
|-------------------------------------|------------|--------------------|---------|------------------|---------|----------------|
| 11/26/12                            |            | West Lidikay # 80  | NW 4    | 16               | 21      | FR             |
| CUSTOMER<br>LTL Energy              |            |                    | TRUCK # |                  |         |                |
| MAILING ADDRESS<br>120 Shoreline Dr |            |                    | 481     | Driver<br>Casken | TRUCK # | DRIVER         |
| CITY<br>Louisburg                   |            |                    | 6666    | Carlton          | ✓       | Safety Meeting |
| STATE<br>KS                         |            |                    | 510     | Set Tue          | ✓       |                |
| ZIP CODE<br>66053                   |            |                    |         |                  |         |                |

JOB TYPE long string HOLE SIZE 5 5/8" HOLE DEPTH 820' CASING SIZE & WEIGHT 2 7/8" EUE  
CASING DEPTH 760' DRILL PIPE \_\_\_\_\_ TUBING baffle - 748' OTHER \_\_\_\_\_  
SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 12'  
DISPLACEMENT 4.33 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4.5 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 100# Premium Gel followed by 10 bbls fresh water, mixed & pumped 111 sks 50/50 Pozmix cement w/ 2% gel per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 4.33 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

*Handwritten signature*

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE      | TOTAL   |
|--------------|-------------------|------------------------------------|-----------------|---------|
| 5401         | 1                 | PUMP CHARGE                        |                 | 1030.00 |
| 5406         | on lease          | MILEAGE                            |                 |         |
| 5402         | 760               | casing footage                     |                 |         |
| 5407         | 1/2 minimum       | ton mileage                        |                 | 175.00  |
| 1124         | 111 sks           | 50/50 Pozmix cement                |                 | 1215.45 |
| 1118B        | 286#              | Premium Gel                        |                 | 60.06   |
| 4402         | 1                 | 2 1/2" rubber plug                 |                 | 28.00   |
|              |                   |                                    | SALES TAX       | 101.67  |
|              |                   |                                    | ESTIMATED TOTAL | 2610.18 |

Ravin 3737

AUTHORIZATION No Co. Rep on location 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

05/19/12