



**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: \_\_\_\_\_



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> <input type="checkbox"/> Other <i>(Specify)</i> _____<br><i>(Submit ACO-4)</i> | PRODUCTION INTERVAL:<br>_____<br>_____ |
|---|--|--|



**REMIT TO**  
 Consolidated Oil Well Services, LLC  
 Dept. 970  
 P.O. Box 4346  
 Houston, TX 77210-4346

**MAIN OFFICE**  
 P.O. Box 884  
 Chanute, KS 66720  
 620/431-9210 • 1-800/467-8676  
 Fax 620/431-0012

INVOICE

Invoice # 256708

Invoice Date: 02/13/2013 Terms: 0/0/30,n/30

Page 1

D & Z EXPLORATION  
 901 N. ELM ST.  
 P.O. BOX 159  
 ST. ELMO IL 62458  
 (618) 829-3274

SUGAR RIDGE FARMS #28  
 38714  
 29-14-22  
 02-11-2013  
 KS

| Part Number | Description                  | Qty    | Unit Price | Total   |
|-------------|------------------------------|--------|------------|---------|
| 1124        | 50/50 POZ CEMENT MIX         | 123.00 | 10.9500    | 1346.85 |
| 1118B       | PREMIUM GEL / BENTONITE      | 307.00 | .2100      | 64.47   |
| 1111        | SODIUM CHLORIDE (GRANULA     | 258.00 | .3700      | 95.46   |
| 1110A       | KOL SEAL (50# BAG)           | 615.00 | .4600      | 282.90  |
| 4402        | 2 1/2" RUBBER PLUG           | 1.00   | 28.0000    | 28.00   |
|             |                              |        |            |         |
|             | Description                  | Hours  | Unit Price | Total   |
| 558         | MIN. BULK DELIVERY           | 1.00   | 350.00     | 350.00  |
| 666         | CEMENT PUMP                  | 1.00   | 1030.00    | 1030.00 |
| 666         | EQUIPMENT MILEAGE (ONE WAY)  | 30.00  | 4.00       | 120.00  |
| 666         | CASING FOOTAGE               | 898.00 | .00        | .00     |
| 675         | 80 BBL VACUUM TRUCK (CEMENT) | 2.00   | 90.00      | 180.00  |

Parts: 1817.68 Freight: .00 Tax: 136.78 AR 3634.46  
 Labor: .00 Misc: .00 Total: 3634.46  
 Sublt: .00 Supplies: .00 Change: .00

Signed \_\_\_\_\_ Date \_\_\_\_\_



Johnson County, KS  
Well: Sugar Ridge 28  
Lease Owner: D Z Exploration

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

Commenced Spudding:  
2/8/2013

WELL LOG

| Thickness of Strata | Formation   | Total Depth |
|---------------------|-------------|-------------|
| 12                  | Soil-Clay   | 12          |
| 18                  | Shale       | 30          |
| 4                   | Lime        | 34          |
| 3                   | Shale       | 37          |
| 15                  | Lime        | 52          |
| 10                  | Shale       | 62          |
| 8                   | Lime        | 70          |
| 8                   | Shale       | 78          |
| 8                   | Lime        | 86          |
| 6                   | Shale       | 92          |
| 9                   | Lime        | 101         |
| 16                  | Shale       | 117         |
| 24                  | Lime        | 141         |
| 8                   | Shale       | 149         |
| 52                  | Lime        | 201         |
| 17                  | Shale       | 218         |
| 9                   | Lime        | 227         |
| 20                  | Shale       | 247         |
| 7                   | Lime        | 254         |
| 4                   | Shale       | 258         |
| 9                   | Lime        | 267         |
| 32                  | Shale       | 299         |
| 3                   | Lime        | 302         |
| 11                  | Shale       | 313         |
| 24                  | Lime        | 337         |
| 6                   | Shale       | 343         |
| 23                  | Lime        | 366         |
| 5                   | Shale       | 371         |
| 5                   | Lime        | 376         |
| 3                   | Shale       | 379         |
| 8                   | Lime        | 387         |
| 36                  | Shale       | 423         |
| 7                   | Sand        | 430         |
| 5                   | Sandy Shale | 435         |
| 125                 | Shale       | 560         |
| 5                   | Lime        | 565         |
| 7                   | Lime        | 572         |
| 5                   | Shale       | 577         |
| 8                   | Lime        | 585         |
| 14                  | Shale       | 599         |



# 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. 28

Farm Sugar Ridge Farms

KS Johnson  
(State) (County)

29 14 22  
(Section) (Township) (Range)

For D+Z Exploration  
(Well Owner)

## Town Oilfield Services, Inc.

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

Sugar Ridge Farm Johnson County

KS State; Well No. 26

Elevation 1000

Commenced Spuding 2-8 2012

Finished Drilling 2-11 2012

Driller's Name Chad Weaver

Driller's Name

Driller's Name

Tool Dresser's Name Brandon Stone

Tool Dresser's Name Gill Stone

Tool Dresser's Name

Contractor's Name TOS

29 14 22

(Section) (Township) (Range)

Distance from 1540 line, S ft.

Distance from 1480 line, E ft.

1031-1040 - 9 hrs

4 - sacks

### CASING AND TUBING RECORD

10" Set \_\_\_\_\_ 10" Pulled \_\_\_\_\_

7 7/8" Set 20' 8" Pulled \_\_\_\_\_

6 3/4" Set \_\_\_\_\_ 6 3/4" Pulled \_\_\_\_\_

4" Set \_\_\_\_\_ 4" Pulled \_\_\_\_\_

2 7/8" Set 595' 85' 2" Pulled \_\_\_\_\_

535 25 seal nipple

940TD

|  |  |  |  |  |
|--|--|--|--|--|
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|  |  |  |  |  |



| Thickness of Strata | Formation  | Total Depth | Remarks |
|---------------------|------------|-------------|---------|
| 12                  | soil layer | 12          |         |
| 18                  | shale      | 30          |         |
| 4                   | lime       | 34          |         |
| 3                   | shale      | 37          |         |
| 15                  | lime       | 52          |         |
| 10                  | shale      | 62          |         |
| 8                   | lime       | 70          |         |
| 8                   | shale      | 78          |         |
| 8                   | lime       | 86          |         |
| 6                   | shale      | 92          |         |
| 9                   | lime       | 101         |         |
| 16                  | shale      | 117         |         |
| 24                  | lime       | 141         |         |
| 8                   | shale      | 149         |         |
| 52                  | lime       | 201         |         |
| 17                  | shale      | 218         |         |
| 9                   | lime       | 227         |         |
| 20                  | shale      | 247         |         |
| 12                  | lime       | 259         |         |
| 1                   | shale      | 260         |         |
| 7                   | lime       | 267         |         |
| 32                  | shale      | 299         |         |
| 3                   | lime       | 302         |         |
| 11                  | shale      | 313         |         |
| 24                  | lime       | 337         |         |
| 6                   | shale      | 343         |         |
| 23                  | lime       | 366         |         |

| Thickness of Strata | Formation    | Total Depth | Remarks                   |
|---------------------|--------------|-------------|---------------------------|
| 5                   | shale        | 371         |                           |
| 5                   | lime         | 376         |                           |
| 3                   | shale        | 379         |                           |
| 8                   | lime         | 387         | Hard                      |
| 36                  | shale        | 423         |                           |
| 7                   | sand         | 430         | sandy, no oil             |
| 5                   | sandy shale  | 435         |                           |
| 125                 | shale        | 560         |                           |
| 5                   | lime         | 565         |                           |
| 7                   | lime & shale | 572         |                           |
| 5                   | shale        | 577         |                           |
| 8                   | lime         | 585         |                           |
| 14                  | shale        | 599         |                           |
| 4                   | lime         | 603         |                           |
| 4                   | shale        | 607         |                           |
| 10                  | lime         | 617         |                           |
| 49                  | shale        | 666         | red bed "628-632"         |
| 5                   | sand         | 671         | no oil                    |
| 15                  | sandy shale  | 686         |                           |
| 34                  | shale        | 720         |                           |
| 8                   | sand         | 728         | oily, very little oil     |
| 5                   | sandy shale  | 733         |                           |
| 107                 | shale        | 840         |                           |
| 1                   | sand         | 841         | 15% oil, slight bleedings |
| 4                   | sand         | 845         | 80% - 90% oil bleedings   |
| 5                   | sand         | 850         | 50% - 60% oil             |
| 1                   | sand         | 851         | 20% - Broken              |

