



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



1151952

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 <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  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 _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <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: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
-------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------



**CONSOLIDATED**  
Oil Well Services, LLC

**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 # 259884

Invoice Date: 06/25/2013 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

EAST GORDON I-10  
42053  
27-14-22  
06-22-2013  
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	111.00	11.5000	1276.50
1118B	PREMIUM GEL / BENTONITE	287.00	.2200	63.14
1111	SODIUM CHLORIDE (GRANULA	215.00	.3900	83.85
1110A	KOL SEAL (50# BAG)	555.00	.4600	255.30
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

  

Description	Hours	Unit Price	Total
495 CEMENT PUMP	1.00	1085.00	1085.00
495 EQUIPMENT MILEAGE (ONE WAY)	30.00	4.20	126.00
495 CASING FOOTAGE	910.00	.00	.00
510 MIN. BULK DELIVERY	1.00	368.00	368.00
675 80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00
712 WEEK-END SURCHARGE	1.00	.00	.00

Parts: 1708.29 Freight: .00 Tax: 128.55 AR 3595.84  
 Labor: .00 Misc: .00 Total: 3595.84  
 Sublt: .00 Supplies: .00 Change: .00

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





**CONSOLIDATED**  
Oil Well Services, LLC

259884

TICKET NUMBER 42053

LOCATION Ottawa KS

FOREMAN Fred Mader

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
6/22/13	3392	E Gordon # I-10	NW 27	14	22	JO

CUSTOMER  
D + Z Exploration

MAILING ADDRESS  
901 N Elm St.

CITY ST Elmo STATE IL ZIP CODE 62458

TRUCK #	DRIVER	TRUCK #	DRIVER
212	Fred Mader		
495	Har Bar		
675	Mike Det		
510	Set Tue		

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 940' CASING SIZE & WEIGHT 2 7/8 EUE

CASING DEPTH 910' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_

SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 2 1/2" Plug

DISPLACEMENT 5.2988 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5BPM

REMARKS: Hold crew meeting. Establish pump rate. Mix Pump 100# Gel Flux. Mix + Pump 111 sks 50/50 Por Mix Cement 2% Gel 5% Salt 5# Kol Seal/sk. Cement for surface flush pump & lines clean. Displace 2 1/2" Rubber plug to casing TD. Pressure to 800# PSI. Hold & Monitor pressure for 30 min MIT. Release pressure to set float valve. Shut in casing.

TOS Drilling, Chad

Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085 <sup>00</sup>
5406	30 mi.	MILEAGE	495	126 <sup>00</sup>
5402	910.	Casing Footage		N/C
5407	Minimum	Ten Miles	510	368 <sup>00</sup>
5502E	2 hrs	80 BBL Vac Truck	675	180 <sup>00</sup>
5408	1	Weekend Surcharge - N/C 56	@ 21%	728 <sup>13</sup>
1124	111 SKS	50/50 Por Mix Cement		1276 <sup>50</sup>
1118B	287*	Premium Gel		6314
1111	215*	Granulated Salt		83 <sup>65</sup>
1110A	555*	Kol Seal		255 <sup>30</sup>
11402	1	2 1/2" Rubber Plug		29 <sup>50</sup>
			7.525%	SALES TAX
				ESTIMATED TOTAL
				128 <sup>55</sup>
				3595 <sup>84</sup>

**completed**

AUTHORIZATION Dave Baker 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

Johnson County, KS  
Well: East Gordon I-10  
Lease Owner: D Z

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

Commenced Spudding:  
6/21/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
13	Soil-Clay	13
15	Sandstone	28
19	Shale	47
5	Lime	52
7	Shale	59
15	Lime	74
9	Shale	83
8	Lime	91
8	Sand and Sandy Shale	99
18	Lime	117
17	Shale	134
20	Lime	154
9	Shale	163
54	Lime	217
22	Shale	239
9	Lime	248
17	Shale	265
7	Lime	272
4	Shale	276
9	Lime	285
34	Shale	319
1	Lime	320
11	Shale	331
25	Lime	356
7	Shale	363
24	Lime	387
5	Shale	392
4	Lime	396
5	Shale	401
6	Lime	407
5	Shale	412
6	Sand	418
6	Sandy Shale	424
96	Shale	520
9	Sand	529
4	Sandy Shale	533
46	Shale	579
4	Lime	583





# 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  $BPH \times PSI \times .0004$

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. 1-10

Farm East Garden

KS  
(State)

Johnson  
(County)

27  
(Section)

14  
(Township)

22  
(Range)

For D-2 Exploration  
(Well Owner)

## Town Oilfield Services, Inc.

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



East Border Farm: Johnson County

KS State; Well No. 1-10

Elevation 1039

Commenced Spuding 6-21, 2012

Finished Drilling 6-22, 2013

Driller's Name Chad Weaver

Driller's Name \_\_\_\_\_

Driller's Name \_\_\_\_\_

Tool Dresser's Name Brendon Stone

Tool Dresser's Name Cole Holcom

Tool Dresser's Name \_\_\_\_\_

Contractor's Name TOS

27 14 22

(Section) (Township) (Range)

Distance from S line, 4400 ft.

Distance from E line, 4840 ft.

3- sacks  
**CASING AND TUBING  
RECORD**

10" Set \_\_\_\_\_ 10" Pulled \_\_\_\_\_  
7 7/8" Set 22.7' 8" Pulled \_\_\_\_\_  
6 1/4" Set \_\_\_\_\_ 6 1/4" Pulled \_\_\_\_\_  
4" Set \_\_\_\_\_ 4" Pulled \_\_\_\_\_  
2 7/8" Set 910.4' 2" Pulled \_\_\_\_\_  
940 TD




Thickness of Strata	Formation	Total Depth	Remarks
13	soil/clay	13	
15	sandstone	28	
19	shale	47	
5	Lime	52	
7	shale	59	
15	Lime	74	
9	shale	83	
8	Lime	91	
8	sandy shale/sand	99	
18	Lime	117	
17	shale	134	
20	Lime	154	
9	shale	163	
54	Lime	217	
22	shale	239	
9	Lime	248	
17	shale	265	
7	Lime	272	
4	shale	276	
9	Lime	285	
34	shale	319	
1	Lime	320	
11	shale	331	
25	Lime	356	
7	shale	363	
24	Lime	387	
5	shale	392	

Thickness of Strata	Formation	Total Depth	Remarks
		392	
4	Lime	396	
5	shale	401	
2	Lime	407	Harder
5	shale	412	
6	sand	418	
6	sandy shale	424	
96	shale	520	
9	sand	529	
4	sandy shale	533	
46	shale	579	
4	Lime	583	
2	shale	585	
2	Lime	587	
10	shale	597	
7	Lime	604	
14	shale	618	
4	Lime	622	
9	shale	631	
2	Lime	633	
110	shale	743	red bed - 639'
6	Broken sand	749	
10	sandy shale	759	
20	shale	779	
6	sand	785	
5	sandy shale	790	
59	shale	849	
5	sand	854	



