



KANSAS CORPORATION COMMISSION 1085557  
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 # 34339  
Name: D & Z Exploration, Inc.  
Address 1: 901 N Elm St.  
Address 2: PO BOX 159  
City: ST ELMO State: IL Zip: 62458 + \_\_\_\_\_  
Contact Person: Zane Belden  
Phone: ( 618 ) 829-3274  
CONTRACTOR: License # 33715  
Name: Town Oilfield Service  
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>04/05/2012</u>	<u>04/07/2012</u>	<u>04/07/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-091-23786-00-00

Spot Description: \_\_\_\_\_  
NW NW SE NE Sec. 28 Twp. 14 S. R. 22  East  West  
3795 Feet from  North /  South Line of Section  
1025 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Johnson

Lease Name: Donovan Well #: #4

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

Producing Formation: Bartlesville

Elevation: Ground: 1037 Kelly Bushing: 0

Total Depth: 940 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 30 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: 0 ppm Fluid volume: 0 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: Doanna Gambor Date: 06/27/2012



1085557

Operator Name: D & Z Exploration, Inc. Lease Name: Donovan Well #: #4  
 Sec. 28 Twp. 14 S. R. 22  East  West County: Johnson

**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 <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" 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  <table style="width:100%; border: none;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Bartlesville</td> <td>859</td> <td></td> </tr> </table>	Name	Top	Datum	Bartlesville	859	
Name	Top	Datum					
Bartlesville	859						

CASING RECORD <input type="checkbox"/> New <input checked="" 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	9.825	7	20	30	Portland	10	none
Production	5.625	2.825	6.5	917	50/50 poz	122	none

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

<b>TUBING RECORD:</b>		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: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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 (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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**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 # 248954

Invoice Date: 04/11/2012 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

DONOVAN 4  
36596  
NE 28 14 22 JO  
4/9/12  
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	122.00	10.9500	1335.90
1118B	PREMIUM GEL / BENTONITE	305.00	.2100	64.05
1110A	KOL SEAL (50# BAG)	610.00	.4600	280.60
1111	SODIUM CHLORIDE (GRANULA)	256.00	.3700	94.72
4402	2 1/2" RUBBER PLUG	1.00	28.0000	28.00

Description	Hours	Unit Price	Total
368 CEMENT PUMP	1.00	1030.00	1030.00
368 EQUIPMENT MILEAGE (ONE WAY)	30.00	4.00	120.00
368 CASING FOOTAGE	919.00	.00	.00
369 80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00
548 MIN. BULK DELIVERY	1.00	350.00	350.00

Parts: 1803.27 Freight: .00 Tax: 135.71 AR 3618.98  
 Labor: .00 Misc: .00 Total: 3618.98  
 Sublt: .00 Supplies: .00 Change: .00

Signed \_\_\_\_\_

Date \_\_\_\_\_

BARTLESVILLE, OK  
918/338-0808

EL DORADO, KS  
316/322-7022

EUREKA, KS  
620/583-7664

PONCA CITY, OK  
580/762-2303

OAKLEY, KS  
785/672-2227

OTTAWA, KS  
785/242-4044

THAYER, KS  
620/839-5269

GILLETTE, WY  
307/686-4914



**CONSOLIDATED**  
Oil Well Services, LLC

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

TICKET NUMBER 36596

LOCATION Chanute, KS

FOREMAN Casper Kennedy

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

DATE 4/9/12	CUSTOMER # 3392	WELL NAME & NUMBER Doran #4	SECTION NE 28	TOWNSHIP 14	RANGE 22	COUNTY JO
CUSTOMER DtZ Exploration			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 901 N. Elm St, PO Box 159			481	Cas Ken	ck	
CITY St. Elmo	STATE IL	ZIP CODE 62458	368	Kei Det	KD	
			548	Mik Haa	MH	
			369	Der Mes	DM	

JOB TYPE long string HOLE SIZE 5 5/8" HOLE DEPTH 939' CASING SIZE & WEIGHT 2 7/8" EVE  
 CASING DEPTH 919' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING 2 1/2" plug  
 DISPLACEMENT 5.34 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 bpm

REMARKS: held safety meeting, established circulation, mixed + pumped 100# Premium Gel followed by 10 bbls fresh water, mixed + pumped 122 sks 50/50 Pozmix cement w/ 20% gel, 5% Salt, + 5# Kal Seal per sk, cement to surface, flushed pump clean, pump 2 1/2" rubber plug to casing TD w/ 5.34 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	30 miles	MILEAGE		120.00
5402	919'	Casing footage		
5407	minimum	tax mileage		350.00
5502C	2 1/2 hrs	80 Vac		180.00
1124	122 sks	50/50 Pozmix cement.		1335.90
1118B	305 #	Premium Gel		64.05
1110A	610 #	Kal Seal		280.60
1111	256 #	Salt		94.72
4402	1	2 1/2" rubber plug		28.00
		<u>2489.54</u>		
		7.525%	SALES TAX	135.71
			ESTIMATED TOTAL	3628.98

Rev'n 5757

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

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: Donovan # 4  
Lease Owner: D Z

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

Commenced Spudding:  
4/5/2012

WELL LOG

Thickness of Strata	Formation	Total Depth
9	Soil/Clay	9
11	Sandstone	20
6	Shale	26
3	Lime	29
17	Shale	46
6	Lime	52
5	Shale	57
16	Lime	73
8	Shale	81
8	Lime	89
8	Shale	97
18	Lime	115
16	Shale	131
19	Lime	150
8	Shale	158
57	Lime	215
20	Shale	235
10	Lime	245
17	Shale	262
7	Lime	269
4	Shale	273
9	Lime	282
33	Shale	315
1	Lime	316
12	Shale	328
24	Lime	352
9	Shale	361
23	Lime	384
4	Shale	388
5	Lime	393
4	Shale	397
7	Lime	404
121	Shale	525
5	Sand	530
32	Shale	562
9	Sand	571
5	Shale	576
7	Lime	583
2	Shale	585
1	Lime	586









Thickness of Strata	Formation	Total Depth	Remarks
		361	
23	lime	384	
4	shale	388	
5	lime	393	
4	shale	397	
7	lime	404	
121	shale	525	
5	sand	530	grey, no oil
32	shale	562	
9	sand	571	grey, no oil
5	shale	576	
7	lime	583	
2	shale	585	
1	lime	586	
7	shale	593	
6	lime	599	
17	shale	616	
6	lime	622	
120	shale	742	
12	sand	754	Pinches some, order, very slight bleed
104	shale	858	
1	sandy lime	859	no oil, order, sand bleed
20	concrete	879	pass 8
2	sand	881	no oil
4	sandy shale	885	
54	shale	939	TD

Thickness of Strata	Formation	Total Depth	Remarks
9	soil/clay	9	
11	sandstone	20	
6	shale	26	
3	Lime	29	
17	shale	46	
6	Lime	52	
5	shale	57	
16	Lime	73	
8	shale	81	
8	Lime	89	
8	shale	97	
18	Lime	115	
16	shale	131	
19	Lime	150	
8	shale	158	
57	Lime	215	
20	shale	235	
10	Lime	245	
17	shale	262	with some lime pieces
7	Lime	269	
4	shale	273	
9	Lime	282	
33	shale	315	
1	Lime	316	
12	shale	328	
24	Lime	352	
9	shale	361	

