KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1085427

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:

- [x] New Well [ ] Re-Entry [ ] Workover
- [x] 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 #: ____

03/28/2012	03/30/2012	03/30/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-091-23790-00-00
Spot Description: ____
SE - SE - NW - NE Sec. 28 Twp. 14 S. R. 22 [x] East [ ] West
4125 Feet from [ ] North / [x] South Line of Section
1450 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Johnson
Lease Name: Donovan Well #: #13
Field Name: ____
Producing Formation: Bartlesville
Elevation: Ground: 1045 Kelly Bushing: 0
Total Depth: 960 Plug Back Total Depth: ____
Amount of Surface Pipe Set and Cemented at: 30 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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 [x] II [ ] III **Approved by:** Deanna Garrisor **Date:** 06/25/2012

Side Two

1085427

Operator Name: D & Z Exploration, Inc. Lease Name: Donovan Well #: #13

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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No
Electric Log Run ☐ Yes ☑ No
Electric Log Submitted Electronically ☐ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Bartlesville	868	

CASING RECORD ☐ New ☑ 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	931.95	50/50 poz	146	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 *(Amount and Kind of Material Used)*	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:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

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 # 248757

Invoice Date: 03/31/2012 Terms: 0/0/30,n/30

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

DONOVAN 13 - I.D.C.
36583
NE 28 14 21 (#13 cementing)
3/30/12
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	146.00	10.9500	1598.70
1118B	PREMIUM GEL / BENTONITE	372.00	.2100	78.12
1111	SODIUM CHLORIDE (GRANULA	313.00	.3700	115.81
1110A	KOL SEAL (50# BAG)	730.00	.4600	335.80
4402	2 1/2" RUBBER PLUG	1.00	28.0000	28.00

	Description	Hours	Unit Price	Total
370	80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00
495	CEMENT PUMP	1.00	1030.00	1030.00
495	EQUIPMENT MILEAGE (ONE WAY)	30.00	4.00	120.00
495	CASING FOOTAGE	932.00	.00	.00
503	MIN. BULK DELIVERY	1.00	350.00	350.00

Parts:	2156.43	Freight:	.00	Tax:	162.27 AR
Labor:	.00	Misc:	.00	Total:	3998.70
Sublt:	.00	Supplies:	.00	Change:	.00

3998.70

Signed _____ Date _____

CONSOLIDATED
Oil Well Services, LLC

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

TICKET NUMBER 36583
LOCATION Ottawa
FOREMAN Alan Made

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-30-12	3392	Donovan 13	NE28	14	21	Jo

CUSTOMER: D & Z Exploration
MAILING ADDRESS: 901 N Elm St.
CITY: St. Elmo | STATE: IL | ZIP CODE: 62458

TRUCK #	DRIVER	TRUCK #	DRIVER
516	Alan M	Safety	Meet
495	Casey K	CK	
370	Keith C	KC	
503	Daniel	DC	

JOB TYPE long string | HOLE SIZE 5 7/8 | HOLE DEPTH 959 | CASING SIZE & WEIGHT 2 7/8
CASING DEPTH 932 | DRILL PIPE | TUBING | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING Yes
DISPLACEMENT 5.4 | DISPLACEMENT PSI 800 | MIX PSI 200 | RATE 5 bpm

REMARKS: Held crew meet, Established rate. Mixed & pumped 100# gel followed by 1 bbl dye marker. Mixed & pumped 146 sk 50/50 pozmix cement plug 5# Kolseal, 5% salt, 2% gel. Circulated cement. Flushed pump. Pumped plug to casing TD. Well held 800 PSI. Set float closed valve

TOS, Chad

Alan Made

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1030.00
5406	30	MILEAGE		120.00
5402	932	casing footage		—
5407	Min	ton miles		350.00
5502C	2	80 vac		180.00
1124	146 sk	50/50 cement		1598.70
1118B	372#	gel		78.12
1111	313#	salt		115.81
1110A	730#	kolseal		335.80
4402	1	2½ plug		28.00
			SALES TAX	162.27
			ESTIMATED TOTAL	3998.70

248757

Ravin 3737

AUTHORIZTION [signature] TITLE A. H. CAVADINI DATE 3/30/12

cknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's count 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 13
Lease Owner: D Z

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

Commenced Spudding:
3/28/2012

WELL LOG

Thickness of Strata	Formation	Total Depth
9	Soil/Clay	9
7	Sandstone	16
16	Shale	32
2	Lime	34
3	Shale	37
4	Lime	41
15	Shale	56
7	Lime	63
3	Shale	66
16	Lime	82
8	Shale	90
9	Lime	99
9	Shale	108
17	Lime	125
19	Shale	144
19	Lime	163
7	Shale	170
57	Lime	227
20	Shale	247
8	Lime	255
20	Shale	275
11	Lime	286
2	Shale	288
6	Lime	294
46	Shale	340
26	Lime	366
6	Shale	372
24	Lime	396
5	Shale	401
14	Lime	415
180	Shale	595
7	Lime	602
151	Shale	753
9	Sand	762
32	Shale	794
5	Sand	799
69	Shale	868
1	Sand	869
20	Core	889
70	Shale	959-TD

Donovan Farm: Johnson County

KS State; Well No. 13

Elevation 1045

Commenced Spuding 3-28 20 12

Finished Drilling 3-30 20

Driller's Name Chad Weaver

Driller's Name

Driller's Name

Tool Dresser's Name Brandon Stone

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name

28 (Section) 14 (Township) 22 (Range)

Distance from S line, 4125 ft.

Distance from E line, 1450 ft.

9509 - 9525 -16 Lne

cored

5 - sacks

CASING AND TUBING RECORD

10" Set		10" Pulled	
~~8~~" Set	25'	8" Pulled	
6¼" Set		6¼" Pulled	
4" Set		4" Pulled	
2 7/8 Set	931 95	2" Pulled	

866 50 ~~Packer~~ Seat Nipple

960 TD

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
866	50	Seat		nipple	
931	95	Cloed		Shoe	

Thickness of Strata	Formation	Total Depth	Remarks
9	soil/clay	9	
7	sandstone	16	
16	shale	32	
2	Lime	34	
3	shale	37	
4	Lime	41	
15	shale	56	
7	Lime	63	
3	shale	66	
16	Lime	82	
8	shale	90	
9	Lime	99	
9	shale	108	
17	Lime	125	
19	shale	144	
19	Lime	163	
7	shale	170	
57	Lime	227	
20	shale	247	
8	Lime	255	
20	shale	275	
11	Lime	286	
2	shale	288	
6	Lime	294	
46	shale	340	
26	Lime	366	
6	shale	372	

372

Thickness of Strata	Formation	Total Depth	Remarks
24	Lime	596	
5	shale	401	
14	Lime	415	
180	Shale	595	
7	Lime	602	
151	Shale	753	
9	sand	762	
32	shale	794	
5	sand	799	
69	shale	868	
1	sand	869	odor, ok bleed
20	core	889	base of
70	shale	959	TD

-5-
8866
731 45 960

Thickness of Strata	Formation	Total Depth	Remarks
	sand	869	
	sand	872	no oil
	sand	875	solid
	Broken sand	876	Laminated 50%
	sand	877	solid
	Broken sand	880	Laminated 50%
	sand shale	883	
	shale	889	