



KANSAS CORPORATION COMMISSION 1085462
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 #: _____

05/03/2012	05/07/2012	05/08/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-091-23774-00-00

Spot Description: _____
SE SE NW NE Sec. 28 Twp. 14 S. R. 22 East West
3986 Feet from North / South Line of Section
1596 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Johnson
Lease Name: Donovan Well #: #D1

Field Name: _____
Producing Formation: Mississippian

Elevation: Ground: 1042 Kelly Bushing: 0

Total Depth: 1260 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: Deanna Garbo Date: 06/27/2012



1085462

Operator Name: D & Z Exploration, Inc. Lease Name: Donovan Well #: #D1
 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 Name Top Datum Mississippian
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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	1233.3	50/50 poz	165	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
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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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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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 # 249670

Invoice Date: 05/09/2012 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 D-1 L.D.E.
36954 -I.D.C.
28-14-22
05-08-2012 (Donovan D-1 cementing)
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	165.00	10.9500	1806.75
1118B	PREMIUM GEL / BENTONITE	377.00	.2100	79.17
1110A	KOL SEAL (50# BAG)	825.00	.4600	379.50
1111	SODIUM CHLORIDE (GRANULA	347.00	.3700	128.39
4402	2 1/2" RUBBER PLUG	1.00	28.0000	28.00
4102	CEMENT BASKET 2 1/2"	1.00	195.0000	195.00

Description	Hours	Unit Price	Total
503 MIN. BULK DELIVERY	1.00	350.00	350.00
666 80 BBL VACUUM TRUCK (CEMENT)	2.50	90.00	225.00
675 CEMENT PUMP	1.00	1030.00	1030.00
675 EQUIPMENT MILEAGE (ONE WAY)	30.00	4.00	120.00
675 CASING FOOTAGE	1233.00	.00	.00

Parts:	2616.81	Freight:	.00	Tax:	196.92	AR	4538.73
Labor:	.00	Misc:	.00	Total:	4538.73		
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 36954
LOCATION Chanute, KS
FOREMAN Casper Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5/8/12	3392	Donovan #D-1	NW 28	14	22	JO
CUSTOMER D+Z Exploration			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS 901 N. Elm St			481	Cas Ken	ck	
CITY STATE ZIP CODE St. Elmo IL 62458			666	Gar Moo	cm	
			675	Kei Det	kd	
			503	Dan Gar	DG	

JOB TYPE long string HOLE SIZE 5 5/8" HOLE DEPTH 1260' CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 1233' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT IN CASING 2 1/2" rubber plug
 DISPLACEMENT 7.17 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 5.6 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 100 # Premium gel followed by 10 bbls fresh water, mixed & pumped 165 sks 50/50 Pozmix cement w/ 2% gel, 5% salt, 5 # Kol Seal per sk, flushed pump clean, pumped 2 1/2" rubber plug to casing TD w/ 7.17 bbls fresh water, cement to surface, ~~pressure~~ pressure to 800 PSI, well held pressure for 30 min MIT, 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 mi	MILEAGE		120.00
5402	1233'	Casing footage		
5407	minimum	ten mileage		350.00
5502c	2.5 hrs	80 Vac		225.00
1124	165 sks	50/50 Pozmix cement	10.95	1806.75
1118B	377 #	Premium Gel	.21	79.17
1110A	825 #	Kol Seal	.46	379.50
111	347 #	Salt	.37	128.39
4402	1	2 1/2" rubber plug		28.00
4102	1	2% cement basket		195.00
			7.525%	SALES TAX ESTIMATED TOTAL
				196.92
				4538.73

[Handwritten stamp: completed]

Rev'n 8787

AUTHORIZATION Deke Bolden TITLE 249670

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

Town Oilfield Service, Inc.

Commenced Spudding:

Well: Donovan D-1

(913) 837-8400

5/3/2012

Lease Owner: D Z Exploration

WELL LOG

Thickness of Strata	Formation	Total Depth
8	Soil/Clay	8
10	Sandstone	18
12	Shale	30
2	Lime	32
20	Shale	52
5	Lime	57
5	Shale	62
16	Lime	78
8	Shale	86
9	Lime	95
8	Shale	103
18	Lime	121
16	Shale	137
19	Lime	156
9	Shale	165
56	Lime	221
20	Shale	241
5	Lime	246
1	Shale	247
3	Lime	250
19	Shale	269
6	Lime	275
5	Shale	280
8	Lime	288
34	Shale	322
1	Lime	323
12	Shale	335
25	Lime	360
7	Shale	367
23	Lime	390
5	Shale	395
5	Lime	400
5	Shale	405
6	Lime	411
94	Shale	505
7	Broken Sand	512
71	Shale	583
12	Lime	595
5	Shale	600
7	Lime	607

Johnson County, KS

Town Oilfield Service, Inc.

Commenced Spudding:

Well: Donovan D-1

(913) 837-8400

5/3/2012

Lease Owner: D Z Exploration

16	Shale	623
3	Lime	626
7	Shale	633
7	Lime	640
110	Shale	750
11	Sand	761
6	Broken Sand	767
101	Shale	868
2	Sandy Lime	870
4	Sandy Lime	874
6	Sand	880
5	Sandy Shale	885
40	Shale	925
10	Sand	935
15	Shale	950
8	Sandy Shale	958
25	Shale	983
12	Sandy Shale	995
5	Shale	1000
50	Sandy Shale	1050
10	Shale	1060
33	Lime	1093
3	Shale	1096
11	Lime	1107
6	Shale	1113
10	Lime	1123
10	Shale	1133
2	Lime	1135
15	Lime	1150
50	Lime	1200
59	Lime	1259-TD

Thickness of Strata	Formation	Total Depth	Remarks
8	soil / clay	8	
10	sandstone	18	
12	shale	30	
2	lime	32	
20	shale	52	
5	lime	57	
5	shale	62	
16	lime	78	
8	shale	86	
9	lime	95	
8	shale	103	
18	lime	121	
16	shale	137	
19	lime	156	
9	shale	165	
56	lime	221	
20	shale	241	
5	lime	246	
1	shale	247	
3	lime	250	
19	shale	269	
6	lime	275	
5	shale	280	
8	lime	288	
34	shale	322	
1	lime	323	
12	shale	335	

Thickness of Strata	Formation	335 Total Depth	Remarks
25	lime	360	
7	shale	367	
23	lime	390	
5	shale	395	
5	lime	400	
5	shale	405	
6	lime	411	
94	shale	505	
7	Broken sand	512	
71	shale	583	
12	lime	595	
5	shale	600	
7	lime	607	
16	shale	623	
3	lime	626	
7	shale	633	
7	lime	640	
110	shale	750	red bed 655
11	sand	761	color,
6	Broken sand	767	
101	shale	868	
2	sandy lime	870	color, OK bleed, 100%
4	sand, lime	874	40%
6	sand	880	50%
5	sandy shale	885	
40	shale	925	
10	sand	935	sway in oil

