KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1151883

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: 900 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 #:

6/11/2013	6/12/2013	6/13/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-091-24085-00-00
Spot Description:
SE - SE - NW - NW Sec. 27 Twp. 14 S. R. 22 [x] East [ ] West
4180 Feet from [ ] North / [x] South Line of Section
4180 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Johnson
Lease Name: East Gordon Well #: #3
Field Name:
Producing Formation: BARTLESVILLE
Elevation: Ground: 1030 Kelly Bushing: 0
Total Depth: 940 Plug Back Total Depth: 908
Amount of Surface Pipe Set and Cemented at: 20 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 20
feet depth to: 0 w/ 10 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 Garrison **Date:** 07/16/2013

Side Two

[redacted]

1151883

Operator Name: D & Z Exploration, Inc. Lease Name: East Gordon Well #: #3

Sec. 27 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	850	

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	20	PORTLAND	10	NONE
PRODUCTION	5.625	2.825	6.2	914	50/50 POZ	104	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 # 259585

Invoice Date: 06/13/2013 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

EAST GORDON #3
41929
27-14-22
06-12-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	104.00	11.5000	1196.00
1118B	PREMIUM GEL / BENTONITE	375.00	.2200	82.50
1111	SODIUM CHLORIDE (GRANULA	218.00	.3900	85.02
1110A	KOL SEAL (50# BAG)	520.00	.4600	239.20
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

	Description	Hours	Unit Price	Total
510	MIN. BULK DELIVERY	1.00	368.00	368.00
666	CEMENT PUMP	1.00	1085.00	1085.00
666	EQUIPMENT MILEAGE (ONE WAY)	30.00	4.20	126.00
666	CASING FOOTAGE	908.00	.00	.00
675	80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00

Parts:	1632.22	Freight:	.00	Tax:	122.83	AR	3514.05
Labor:	.00	Misc:	.00	Total:	3514.05		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed _____ Date _____

CONSOLIDATED
Oil Well Services, LLC

259585

TICKET NUMBER 41929
LOCATION Ottawa, KS
FOREMAN Casey Kennedy

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
6/12/13	3392	E. Gordon # 3	NE 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
481	Casken		
666	GarMee		
510	Set Tuc		
675	Kei Dat		

JOB TYPE longstring | HOLE SIZE 5 5/8" | HOLE DEPTH 940' | CASING SIZE & WEIGHT 2 7/8" EUE
CASING DEPTH 908' | DRILL PIPE | TUBING | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING
DISPLACEMENT 5.26 bbls | DISPLACEMENT PSI | MIX PSI | RATE 4.5 bpm

REMARKS: Held safety meeting, established circulation, mixed + pumped 200 # Premium Gel followed by 10 bbls fresh water, mixed + pumped 104 sks 50/50 Pozmix cement w/ 2% gel, 5% salt + 5# Kolseal per sk, cement to surface, flushed pump clean, pumped 2½" rubber plug to casing TD w/ 5.26 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00
5406	30 mi	MILEAGE		126.00
5402	908'	casing footage		—
5407	minimum	ton mileage		368.00
5502C	2 hrs	80 Vac		180.00
1124	104 sks	50/50 Pozmix cement		1196.00
1118B	375 #	Premium Gel		82.50
1111	218 #	Salt		85.02
1110A	520 #	Kolseal		239.20
4402	1	2½" rubber plug		29.50
		7.525%	SALES TAX	122.83
			ESTIMATED TOTAL	3514.05

completed

Ravin 3737

AUTHORIZTION Dale Belden 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 # 3
Lease Owner: D Z Exploration

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

Commenced Spudding:
6/11/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
32	Soil-Clay	32
5	Lime	37
6	Shale	43
15	Lime	58
8	Shale	66
9	Lime	75
9	Sandy Shale and Sand	84
19	Lime	103
16	Shale	119
20	Lime	139
8	Shale	147
56	Lime	203
21	Shale	224
11	Lime	235
16	Shale	251
6	Lime	257
5	Shale	262
10	Lime	272
34	Shale	306
1	Lime	307
10	Shale	317
25	Lime	342
6	Shale	348
24	Lime	372
5	Shale	377
4	Lime	381
5	Shale	386
6	Lime	392
5	Shale	397
5	Sand	402
10	Sandy Shale	412
91	Shale	503
7	Sand	510
6	Sandy Shale	516
50	Shale	566
5	Lime	571
12	Shale	583
7	Lime	590
17	Shale	607
4	Lime	611

Johnson County, KS
Well: East Gordon # 3
Lease Owner: D Z Exploration

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

Commenced Spudding:
6/11/2013

7	Shale	618
4	Lime	622
3	Shale	625
2	Lime	627
38	Shale	665
25	Sand	690
5	Sandy Shale	695
36	Shale	731
6	Broken Sand	737
5	Sandy Shale	742
26	Shale	768
6	Sand	774
76	Shale	850
1	Sandy Lime	851
11	Core	862
10	Sandy Shale	872
68	Shale	940-TD

Core		
		851
2	Sandy Lime	853
1	Sandy Lime	854
6	Sand	860
2	Sand	862

Short Cuts

TANK CAPACITY

BBLS. (42 gal.) equals D^2x.14xh
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 - RPMxd over SPMxR
d - SPMxRxD over RPM
SPM - RPMXD over RxD
R - RPMXD over SPMxD

BELT LENGTH - $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

* Need these to figure belt length

TO FIGURE AMPS: $\frac{\text{WATTS}}{\text{VOLTS}}$ = AMPS

746 WATTS equal 1 HP

Log Book

Well No. 3

Farm Ecot Gordon

KS (State) Johnson (County)

27 (Section) 14 (Township) 22 (Range)

For D+Z Exploration (Well Owner)

Cored

Town Oilfield Services, Inc.
1207 N. 1st East
Louisburg, KS 66053
913-710-5400

East Cowley Farm: Johnson County

KS State; Well No. 3

Elevation 1020'

Commenced Spuding 6-11 ,20 13

Finished Drilling 6-12 ,20 13

Driller's Name Chad Weaver

Driller's Name

Driller's Name

Tool Dresser's Name Greg Beaty

Tool Dresser's Name Brandon Stanith

Tool Dresser's Name

Contractor's Name TOS

27 14 22

(Section) (Township) (Range)

Distance from S line, 4180 ft.

Distance from E line, 4180 ft.

3 sacks

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set	22'	8" Pulled	
6¼" Set		6¼" Pulled	
4" Set		4" Pulled	
2"1/8 Set	908.10	2" Pulled	

547 seat nipple

940 TD

Thickness of Strata	Formation	Total Depth	Remarks
32	soil/clay	32	
5	Lime	37	
6	shale	43	
15	Lime	58	
8	shale	66	
9	Lime	75	
9	sandyshale&sand	84	
19	Lime	103	
16	shale	119	
20	Lime	139	
8	shale	147	
56	Lime	203	
21	shale	224	
11	Lime	235	
16	shale	251	
6	Lime	257	
5	shale	262	
10	Lime	272	
34	shale	306	
1	Lime	307	
10	shale	317	
25	Lime	342	326-327-some oil
6	shale	348	
24	Lime	372	
5	shale	377	
4	Lime	381	
5	shale	386	

386

Thickness of Strata	Formation	Total Depth	Remarks
6	Lime	392	Hanthen
5	shale	397	
5	sand	402	grey, no oil
10	sandy shale	412	
91	shale	503	
7	sand	510	grey, no oil
6	sandy shale	516	
50	shale	566	
5	Lime	571	
12	shale	583	
7	Lime	590	
17	shale	607	
4	Lime	611	
7	shale	618	
4	Lime	622	
3	shale	625	
2	Lime	627	
38	shale	665	red bed - 632'
25	sand	690	grey, no oil
5	sandy shale	695	
36	shale	731	
6	Broken sand	737	odor, very little oil
5	sandy shale	742	
26	shale	768	
6	sand	774	
76	shale	850	
1	sandy lime	851	odor, some oil, bleeding

851

Thickness of Strata	Formation	Total Depth	Remarks
11	conc	862	
10	sandy shale	872	
68	shale	940	TD

X21

Thickness of Strata	Formation	Total Depth	Remarks
2	sandy lime	853	solid good bleeding
1	sandy lime	854	40% oil
6	sand	860	90% - solid oil
2	sand	862	laminated 2%-5% oil