Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1195075

Form ACO-1
August 2013
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:
☑ 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
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

01/29/2014	01/30/2014	01/30/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-091-24128-00-00
Spot Description:
W2 - W2 - W2 - NW Sec. 27 Twp. 14 S. R. 22 ☑ East ☐ West
3960 Feet from ☐ North / ☑ South Line of Section
5280 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Johnson
Lease Name: EAST GORDON Well #: #W3
Field Name:
Producing Formation: Bartlesville
Elevation: Ground: 1050 Kelly Bushing: 0
Total Vertical Depth: 960 Plug Back Total Depth: 929
Amount of Surface Pipe Set and Cemented at: 20 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ 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

☑ **Confidentiality Requested**
Date: 03/20/2014
☑ **Confidential Release Date:** 03/19/2016
☐ **Wireline Log Received**
☐ **Geologist Report Received**
☑ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 03/20/2014

[redacted] 1195075

Operator Name: D & Z Exploration, Inc. Lease Name: EAST GORDON Well #: #W3

Sec. 27 Twp. 14 S. R. 22 ☑ East ☐ West County: Johnson

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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

List All E. Logs Run:

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

Name	Top	Datum
Bartlesville	879	

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	929	50/50 poz	121	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	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

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

Form	ACO1 - Well Completion
Operator	D & Z Exploration, Inc.
Well Name	EAST GORDON #W3
Doc ID	1195075

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	9.825	7	20	20	Portland	10	none
Production	5.625	2.825	6.2	929	50/50 poz	121	none

Johnson County, KS
Well:E. Gordon #W3
Lease Owner: D and Z

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

Commenced Spudding:
1/29/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
8	soil/clay	8
14	sandstone	22
17	shale	29
1	lime	40
21	shale	61
7	lime	68
5	shale	73
16	lime	89
8	shale	97
9	lime	106
9	sandy shale and sand	115
16	lime	131
9	shale	140
9	sandy shale and sand	149
19	lime	168
9	sandy shale	177
55	lime	232
22	shale	254
10	lime	264
17	shale	281
8	lime	289
3	shale	292
9	lime	301
34	shale	335
1	lime	336
12	shale	348
25	lime	373
7	shale	380
23	lime	403
5	shale	408
4	lime	412
5	shale	417
7	lime	424
6	shale	430
5	sand	435
102	asale	537
8	sand	545
52	shale	597
5	lime	602
3	shale	605

Johnson County, KS
Well:E. Gordon #W3
Lease Owner: D and Z

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

Commenced Spudding:
1/29/2014

2	lime	607
7	shale	614
6	lime	620
15	shale	635
3	lime	358
7	shale	645
4	lime	649
4	shale	653
2	lime	655
31	shale	686
2	lime	688
4	shale	692
3	lime	695
12	sand	707
10	sandy shale	717
45	shale	762
5	broken sand	767
7	sandy shale	774
14	shale	788
3	lime	791
6	shale	797
6	sand	803
36	shale	839
5	sand	844
4	sandy shale	848
32	shale	880
1	sandy lime	881
3	sandy lime	884
2	sand	886
2	sand	888
2	sand	890
1	sand	891
1	broken sand	892
2	brokan sand	894
6	sandy shale	900
60	shale	960-TD

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. East Gordon #W3

Farm East Gordon

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 Cowden Farm: Johnson County

KS State; Well No. W3

Elevation 1050

Commenced Spuding 1-29 20 14

Finished Drilling 1-30 20 14

Driller's Name Chad Weaver

Driller's Name

Driller's Name

Tool Dresser's Name Ryan Ward

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

27 14 22

(Section) (Township) (Range)

Distance from S line, 3960 ft.

Distance from E line, 5280 ft.

3- Sacks

CASING AND TUBING RECORD

10" Set		10" Pulled	
7⅞" Set	24.5'	8" Pulled	
6¼" Set		6¼" Pulled	
4" Set		4" Pulled	
2"/8 Set	929.80'	2" Pulled	

960 TD

CASIN

Feet	In

Thickness of Strata	Formation	Total Depth	Remarks
8	soil /clay	8	
14	sandstone	22	
17	shale	39	
1	Lime	40	
21	shale	61	
7	Lime	68	
5	shale	73	
16	Lime	89	
8	shale	97	Dark
9	Lime	106	
9	sandyshaletsand	115	no oil
16	Lime	131	
9	shale	140	
9	sand+sandyshale	149	
19	Lime	168	
9	sand,shale	177	
55	Lime	232	
22	shale	254	
10	Lime	264	
17	shale	281	
8	Lime	289	
3	shale	292	
9	Lime	301	
34	shale	335	
1	Lime	336	
12	shale	348	
25	Lime	373	

373

Thickness of Strata	Formation	Total Depth	Remarks
7	shale	380	
23	Lime	403	
5	shale	408	
4	Lime	412	
5	shale	417	Heather
7	Lime	424	
6	shale	430	
5	sand	435	~~gas~~, no oil
102	shale	537	
8	sand	545	~~gas~~, no oil
52	shale	597	
5	Lime	602	
3	shale	605	
2	Lime	607	
7	shale	614	
6	Lime	620	
15	shale	635	
3	Lime	638	
7	shale	645	
4	Lime	649	
4	shale	653	
2	Lime	655	
31	shale	686	red bed @ 662'
2	Lime	688	
4	shale	692	
3	Lime	695	
12	sand	707	

707

Thickness of Strata	Formation	Total Depth	Remarks
10	sand, shale	717	
45	shale	762	
5	Broken sand	767	odor, little oil
7	sandy shale	774	
14	shale	788	
3	Lime	791	
6	shale	797	
6	sand	803	grey, no oil
36	shale	839	
5	sand	844	
4	sandy shale	848	
32	shale	880	
1	sandy lime	881	odor, 2%-5%, Broken
3	sand + Lime	884	15%-20% oil
2	sand	886	50% oil
2	sand	888	50%- solid oil, good bleeding
2	sand	890	60%- 70% oil > laminated
1	sand	891	50% oil
1	Broken sand	892	2%- 5% oil
2	Broken sand	894	
6	sandy shale	900	
60	shale	960	TD

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 # 265781

Invoice Date: 01/31/2014 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 W-3
42612
NW 27-14-22
01-30-2014
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	121.00	11.5000	1391.50
1118B	PREMIUM GEL / BENTONITE	303.00	.2200	66.66
1111	SODIUM CHLORIDE (GRANULA	234.00	.3900	91.26
1110A	KOL SEAL (50# BAG)	605.00	.4600	278.30
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

	Description	Hours	Unit Price	Total
368	CEMENT PUMP	1.00	1085.00	1085.00
368	EQUIPMENT MILEAGE (ONE WAY)	30.00	4.20	126.00
368	CASING FOOTAGE	929.00	.00	.00
548	MIN. BULK DELIVERY	1.00	368.00	368.00
675	80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00

Parts:	1857.22	Freight:	.00	Tax:	136.97 AR	3753.19
Labor:	.00	Misc:	.00	Total:	3753.19	
Sublt:	.00	Supplies:	.00	Change:	.00	

Signed _____ Date _____

CONSOLIDATED
Oil Well Services, LLC

265781

TICKET NUMBER 42612
LOCATION Offaw9
FOREMAN Alan 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
1-30-14	3392	East Gordon W-3	NW 27	14	22	JO

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

TRUCK #	DRIVER	TRUCK #	DRIVER
730	AlaMad	Safety	Meet
368	ArlMcD		
675	KeiDet		
548	MikHag		

JOB TYPE long string | HOLE SIZE 5 5/8 | HOLE DEPTH 960 | CASING SIZE & WEIGHT 2 7/8
CASING DEPTH 929 | 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 4 bpm

REMARKS: Held meeting. Established rate. Mixed & pumped 100# gel followed by 121 SK 50/50 cement plus 2% gel 5% salt & 5# kolseal per sack. Circulated cement Flushed pump. Pumped plug to casing TD. Well held 800 PSI for 30 minute M.I.T. Set float Closed valve

TOS Chad

Alan Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368		1085.00
5406	30	MILEAGE	368		126.00
5402	929	casing footage	368		—
5407	min	ton miles	548		368.00
5502C	2	80 vac	675		180.00
1124	121	50/50 cement			1391.50
1118B	303#	gel			66.66
1111	234#	salt			91.26
1110A	605#	Kolseal			278.30
W402	1	2 1/2 plug			29.50
				SALES TAX	136.97
				ESTIMATED TOTAL	3753.19

completed

Ravin 3737

AUTHORIZTION Dan Backus 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.