Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1234403

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: NINA FLOWERS
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 #: ____

10/28/2014	10/30/2014	10/30/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-091-24373-00-00
Spot Description: ____
SW NE NE SE Sec. 28 Twp. 14 S. R. 22 ☑ East ☐ West
2255 Feet from ☐ North / ☑ South Line of Section
355 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: MEYERS Well #: #I-6
Field Name: ____
Producing Formation: BARTLESVILLE
Elevation: Ground: 1061 Kelly Bushing: 0
Total Vertical Depth: 980 Plug Back Total Depth: 949
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: 12/08/2014
☑ **Confidential Release Date:** 12/07/2016
☐ **Wireline Log Received**
☐ **Geologist Report Received**
☑ **UIC Distribution**
ALT ☐ **I** ☑ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 12/09/2014

[redacted] 1234403

Operator Name: D & Z Exploration, Inc. Lease Name: MEYERS Well #: #I-6

Sec. 28 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	914	

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	949	50/50 POZ	127	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:

Form	ACO1 - Well Completion
Operator	D & Z Exploration, Inc.
Well Name	MEYERS #I-6
Doc ID	1234403

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	949	50/50 POZ	127	NONE

CONSOLIDATED
Oil Well Services, LLC

REMIT TO
FINV
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 # 272299

Invoice Date: 10/31/2014 Terms: 0/30/10,n/30 Page 1

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

MEYERS I-6
50551
SE28-14-22
10-30-14
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	127.00	11.5000	1460.50
1118B	PREMIUM GEL / BENTONITE	413.00	.2200	90.86
1111	SODIUM CHLORIDE (GRANULA	267.00	.3900	104.13
1110A	KOL SEAL (50# BAG)	635.00	.4600	292.10
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

Sublet Performed	Description	Total
9996-120	CEMENT MATERIAL DISCOUNT	-584.28

	Description	Hours	Unit Price	Total
370	MIN. BULK DELIVERY	1.00	368.00	368.00
548	80 BBL VACUUM TRUCK (CEMENT)	2.00	100.00	200.00
666	CEMENT PUMP	1.00	1085.00	1085.00
666	EQUIPMENT MILEAGE (ONE WAY)	30.00	4.20	126.00
666	CASING FOOTAGE	946.00	.00	.00

Amount Due 3901.90 if paid after 11/10/2014

Parts:	1977.09	Freight:	.00	Tax:	102.72	AR	3274.53
Labor:	.00	Misc:	.00	Total:	3274.53		
Sublt:	-584.28	Supplies:	.00	Change:	.00		

Signed _____ Date _____

272299

691
661

CONSOLIDATED
Oil Well Services, LLC

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

TICKET NUMBER 50551
LOCATION Ottawa, KS
FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10/30/14	3392	Meyers # I-6	SE 28	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
729	CasKen	✓ Safety	Meeting
666	KeiCar	✓	
548	DamWhe	✓	
370	MikFox	✓	

JOB TYPE longstring HOLE SIZE 5 5/8" HOLE DEPTH 980' CASING SIZE & WEIGHT 2 7/8" EUE
CASING DEPTH 946' DRILL PIPE TUBING OTHER
SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT in CASING
DISPLACEMENT 5.48 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 127 sks 50/50 Pozmix cement w/ 2% gel, ~~[illegible]~~ 5% salt, + 5# Kolseal per sk, cement to surface, flushed pump clean, pumped 2½" rubber plug to casing TD w/ 5.48 bbls fresh water, pressured to 800 PSI, well held pressure for 30 min MIT, 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	946'	casing footage		—
5407	minimum	ton mileage		368.00
5502C	2 hrs	80 Vac		200.00
1124 (1055)	127 sks	50/50 Pozmix cement	1460.50	
1118B	413 #	Premium Gel	90.86	
1111	267 #	Salt	104.13	
1110A	635 #	Kolseal	292.10	
		materials	1947.59	
		-30%	584.28	
		subtotal		1363.31
4402	1	2½" rubber plug		29.50
			3901.90	
		7.375%	SALES TAX	102.72
Ravin 3737			ESTIMATED TOTAL	3274.53

AUTHORIZTION ______ 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:Meyers I-6
Lease Owner:D Z

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

Commenced Spudding:
10/29/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
4	Soil-Clay	4
24	Sandstone	28
8	Grey Sand	36
11	Shale	47
7	Lime	54
19	Shale	73
7	Lime	80
5	Shale	85
17	Lime	102
8	Shale	110
9	Lime	119
8	Shale	127
19	Lime	146
16	Shale	162
20	Lime	182
9	Shale	191
57	Lime	248
20	Shale	268
6	Lime	274
22	Shale	296
7	Lime	303
3	Shale	306
9	Lime	315
35	Shale	350
1	Lime	351
12	Shale	363
26	Lime	389
7	Shale	396
24	Lime	420
4	Shale	424
2	Lime	426
5	Shale	431
9	Lime	440
78	Shale	518
7	Grey Sand	525
90	Shale	615
5	Lime	620
13	Shale	633
3	Lime	636
21	Shale	657

Johnson County, KS
Well:Meyers I-6
Lease Owner:D Z

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

Commenced Spudding:
10/29/2014

3	Lime	660
8	Shale	668
2	Lime	670
5	Shale	675
2	Lime	677
113	Shale	790
10	Grey Sand	800
103	Shale	903
5	Broken Sand	908
6	Oil Sand	914
3	Broken Sand	917
8	Sandy Shale	925
55	Shale	980-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. I6

Farm Meyers

Kansas (State) Johnson (County)

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

For D&Z Exploration (Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

_____ Farm: _____ County

_____ State; Well No. _____

Elevation _____

Commenced Spuding 10-29, 20 14

Finished Drilling 10-30, 20 14

Driller's Name _____

Driller's Name _____

Driller's Name Kenny Gman

Tool Dresser's Name Cole Helcom

Tool Dresser's Name _____

Tool Dresser's Name _____

Contractor's Name _____

_____

(Section) (Township) (Range)

Distance from _____ line, _____ ft.

Distance from _____ line, _____ ft.

203' 7"

4 sacks cement

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set	203	8" Pulled	
6¼" Set		6¼" Pulled	
4" Set		4" Pulled	
2 7/8" Set	949.65	2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.

Thickness of Strata	Formation	Total Depth	Remarks
4	soil + clay	4	
24	sandstone	28	
8	grey sand	36	
11	shale	47	
7	lime	54	
19	shale	73	
7	lime	80	
5	shale	85	
17	lime	102	
8	shale	110	
9	lime	119	
8	shale	127	
19	lime	146	
16	shale	162	
20	lime	182	
9	shale	191	
57	lime	248	
20	shale	268	
6	lime	274	
22	shale	296	
7	lime	303	
3	shale	306	
9	lime	315	
35	shale	350	
1	lime	351	
12	shale	363	
26	lime	389	

Thickness of Strata	Formation	Total Depth	Remarks
7	shale	396	
24	lime	420	
4	shale	424	
2	lime	426	
5	shale	431	
9	lime	440	
78	shale	518	
7	grey sand	525	
90	shale	615	
5	lime	620	
13	shale	633	
3	lime	636	
21	shale	657	
3	lime	660	
8	shale	668	
2	lime	670	
5	shale	675	
2	lime	677	
113	shale	790	
10	grey sand	800	
103	shale	903	
5	broken sand	908	lite odor Poor saturation
6	oil sand	914	very good bleed
3	broken sand	917	lite bleed good saturation
8	sandy shale	925	
55	shale	980	TD