

Confidentiality Requested:

☒ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1190623

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 # 32218

Name: TDR Construction, Inc.

Address 1: PO BOX 339

Address 2: _____

City: LOUISBURG State: KS Zip: 66053 + 0339

Contact Person: Lance Town

Phone: (913) 837-8400

CONTRACTOR: License # 33715

Name: Town Oilfield Service

Wellsite Geologist: NA

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 #: _____

11/25/2013 11/26/2013 11/26/2013
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-059-26323-00-00

Spot Description: _____

SE SE SE NW Sec. 4 Twp. 16 S. R. 21 ☒ East ☐ West

2805 Feet from ☐ North / ☒ South Line of Section

2805 Feet from ☒ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☒ SE ☐ SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

County: Franklin

Lease Name: West Lidikay Well #: 57

Field Name: _____

Producing Formation: Squirrel

Elevation: Ground: 1023 Kelly Bushing: 0

Total Vertical Depth: 800 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 21 Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: 21 w/ 2 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 1500 ppm Fluid volume: 80 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: 02/24/2014
☒ Confidential Release Date: 02/24/2016
☒ Wireline Log Received
☐ Geologist Report Received
☐ UIC Distribution
ALT ☐ I ☒ II ☐ III Approved by: NAOMI JAMES Date: 02/25/2014

1190623

Operator Name: TDR Construction, Inc. Lease Name: West Lidikay Well #: 57
 Sec. 4 Twp. 16 S. R. 21 ☒ East ☐ West County: Franklin

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 (Attach Additional Sheets)	☐ Yes ☒ No	☐ Log	Formation (Top), Depth and Datum	☐ Sample
Samples Sent to Geological Survey	☐ Yes ☒ No	Name GammaRay	Top	Datum
Cores Taken	☐ Yes ☒ No			
Electric Log Run	☒ Yes ☐ No			
List All E. Logs Run:				
GammaRay				

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	7	10	21	Portland	2	50/50 POZ
Completion	5.6250	2.8750	8	789	Portland	124	50/50 POZ

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. 11/26/2013		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. ☐ Commingled (Submit ACO-5) ☐ Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	TDR Construction, Inc.
Well Name	West Lidikay 57
Doc ID	1190623

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	7	10	21	Portland	2	50/50 POZ
Completion	5.6250	2.8750	8	789	Portland	124	50/50 POZ

Franklin County, KS
Well: W. Lidikay 57
Lease Owner: TDR

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

Commenced Spudding:
11-25-2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-31	soil/clay	31
4	lime	35
4	shale	39
16	lime	55
7	shale	62
11	lime	73
3	shale	76
21	lime	97
39	shale	136
19	lime	155
75	shale	230
22	lime	252
28	shale	280
8	lime	288
21	shale	309
2	lime	311
16	shale	327
2	lime	329
16	shale	345
7	lime	352
3	shale	355
12	lime	367
8	shale	675
23	lime	398
4	shale	402
5	lime	407
2	shale	409
6	lime	415
116	shale	531
6	sand	537
7	sandy shale	544
40	shale	584
7	lime	591
32	shale	623
6	lime	629
14	shale	643
3	lime	646
9	shale	655
3	lime	658
3	shale	661

Franklin County, KS

Well:W. Lidikay 57

Lease Owner:TDR

Town Oilfield Service, Inc.

(913) 837-8400

Commenced Spudding:

11-25-2013

[illegible]

Short Cuts

TANK CAPACITY

BBLs. (42 gal.) equals $D^2 \times .14 \times h$

D equals diameter in feet.

h equals height in feet.

BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals $BPH \times PSI \times .0004$

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 - $RPM \times d$ over $SPM \times R$

d - $SPM \times R \times D$ over RPM

SPM - $RPM \times D$ over $R \times d$

R - $RPM \times D$ over $SPM \times d$

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

* Need these to figure belt length

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

746 WATTS equal 1 HP

Log Book

Well No. 57

Farm West Lidikay

KS

(State)

Franklin

(County)

4

(Section)

16

(Township)

21

(Range)

For TDR Construction
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

-1-

Thickness of Strata	Formation	Total Depth	Remarks
0-31	soil-clay	31	
4	Lime	35	
4	shale	39	
14	Lime	53	
7	Shale	60	
11	Lime	71	
3	Shale	74	
21	Lime	95	
39	Shale	134	shells
19	Lime	153	
75	Shale	228	
22	Lime	250	
28	Shale	278	
8	Lime	286	
21	Shale	307	
2	Lime	311	
16	Shale	327	
2	Lime	329	
16	Shale	345	
7	Lime	352	
3	Shale	355	
12	Lime	367	
8	Shale	375	
23	Lime	398	
4	Shale	402	
5	Lime	407	
2	Shale	409	

409

Thickness of Strata	Formation	Total Depth	Remarks
6	Lime	415	H. H. H.
116	Shale	531	
6	Sand	537	
7	Sandy Shale	544	no oil
40	Shale	584	
7	Lime	591	
32	Shale	623	
6	Lime	629	
14	Shale	643	
3	Lime	646	
9	Shale	655	
3	Lime	658	
3	Shale	661	
5	Lime	666	
12	Shale	678	
1	Lime	679	
5	Shale	684	
1	Lime	685	
8	Shale	693	
3	Sand	696	broken - poor saturation
6	Sand	702	solid - poor saturation
2	Sand	704	broken - poor saturation
8	Sand	712	broken - good show
2	sandy shale	714	
52	Shale	766	
6	Sand	772	
28	Sandy shale	800	TD



FIELD TICKET & TREATMENT REPORT
CEMENT

FOREMAN Casey Kennedy

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11/26/	7841	W. Lidakay # 57	NW 4	16	21	FR
CUSTOMER JDR Construction						
MAILING ADDRESS 1207 N 1st St						
CITY Louisburg	STATE KS	ZIP CODE 66053				
JOB TYPE long string	HOLE SIZE 5 5/8"	HOLE DEPTH 800'				
CASING DEPTH 789'	DRILL PIPE	TUBING bottle - 758'	CASING SIZE & WEIGHT 2 7/8" EUE			
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	OTHER			
DISPLACEMENT 4.39 bbls	DISPLACEMENT PSI	MIX PSI	CEMENT LEFT in CASING 31'			
REMARKS: held safety meeting adding			RATE 4.5 bbls			

REMARKS: held safely, meeting, established circulation, mixed & pumped 200 # Premium
Gel followed by 10 bbls fresh water, mixed & pumped 124 sks 50 Po 7 mix
cement w/ 2% gel per sk, cement to surface, flushed pump clean, pumped 2 1/2"
rubber plug to baffle w/ 4.39 bbls fresh water, pressured to 800 PSI, released
pressure, shut in casing.

[illegible]

Ravin 3737

AUTHORIZATION No Co-Rep. on location

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.