



KANSAS CORPORATION COMMISSION 1103156  
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 # 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 ) 710-5400  
CONTRACTOR: License # 33715  
Name: Town Oilfield Service  
Wellsite Geologist: NA  
Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SLOW
- 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 #: \_\_\_\_\_

<u>11/21/2012</u>	<u>11/26/2012</u>	<u>11/26/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-059-26222-00-00

Spot Description: \_\_\_\_\_  
SW\_NW\_NW\_NW Sec. 4 Twp. 16 S. R. 21  East  West  
4900 Feet from  North /  South Line of Section  
5115 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Franklin  
Lease Name: West Lidikay Well #: 80  
Field Name: \_\_\_\_\_

Producing Formation: Squirrel  
Elevation: Ground: 1008 Kelly Bushing: 0  
Total Depth: 820 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: 0  
feet depth to: 21 w/ 3 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: Deanna Garrisa Date: 12/13/2012



1103156

Operator Name: TDR Construction, Inc. Lease Name: West Lidikay Well #: 80  
 Sec. 4 Twp. 16 S. R. 21  East  West County: Franklin

**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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  GammaRay/Neutron/CCL	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum GammaRay
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CASING RECORD <input checked="" type="checkbox"/> New <input 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	7	10	21	Portland	3	50/50 POZ
Completion	5.6250	2.8750	8	760	Portland	111	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	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
3	702-722	2" DML RTG	20

TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.			Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Franklin County, KS  
 Well: W. Lidikay 80  
 Lease Owner: L L

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

Commenced Spudding:  
 11/21/2012

WELL LOG

15-059 2022-10-20

Thickness of Strata	Formation	Total Depth
0-33	Soil-Clay	33
5	Lime	38
5	Shale	43
13	Lime	56
7	Shale	63
10	Lime	73
7	Shale	80
14	Lime	94
52	Shale	146
19	Lime	165
74	Shale	239
22	Lime	261
26	Shale	287
7	Lime	294
21	Shale	315
2	Lime	317
20	Shale	337
1	Lime	338
11	Shale	349
7	Lime	356
3	Shale	359
12	Lime	371
9	Shale	380
23	Lime	403
5	Shale	408
4	Lime	412
4	Shale	416
5	Lime	421
118	Shale	539
2	Sandy Shale	541
2	Sand	543
6	Sand	549
51	Sandy Shale	600
8	Lime	608
6	Shale	614
3	Lime	617
11	Shale	628
2	Lime	630
20	Shale	650
3	Lime	653



# 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 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 -  $RPM \times d$  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. 80

Farm West Lidikay

KS Franklin  
 (State) (County)

04 16 21  
 (Section) (Township) (Range)

For TDR Construction  
 (Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East  
 Loulsburg, KS 66053  
 913-710-5400

West Lidikay Franklin County  
 Farm: Franklin County  
 KS State; Well No. 80

Elevation 1008

Commenced Spudding Nov 21 2012

Finished Drilling Nov 26 2012

Driller's Name Wesley Dollard

Driller's Name

Driller's Name

Tool Dresser's Name Ryan Ward

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

04 16 21

(Section) (Township) (Range)

Distance from S line 4900 ft.

Distance from E line 5115 ft.

3 sacks

8 hrs

**CASING AND TUBING RECORD**

10" Set \_\_\_\_\_ 10" Pulled \_\_\_\_\_

8" Set \_\_\_\_\_ 8" Pulled \_\_\_\_\_

7 1/2" Set 21 \_\_\_\_\_ 6 1/2" Pulled \_\_\_\_\_

4" Set \_\_\_\_\_ 4" Pulled \_\_\_\_\_

2" Set \_\_\_\_\_ 2" Pulled \_\_\_\_\_

**CASING AND TUBING MEASUREMENTS**

Feet	In.	Feet	In.	Feet	In.
748.5		Baffle			
760.1		Float		2 7/8	

Thickness of Strata	Formation	Total Depth	Remarks
0-33	soil-clay	33	
5	Lime	38	
5	shale	43	
13	Lime	56	
7	shale	63	
10	Lime	73	
7	shale	80	
14	Lime-shells	94	
52	shale	146	
19	Lime	165	
74	shale	239	
22	Lime	261	
26	shale	287	
7	Lime	294	
21	shale	315	
2	Lime	317	
20	shale	337	
1	Lime	338	
11	shale	349	
7	Lime	356	
3	shale	359	
12	Lime	371	
9	shale	380	
23	Lime	403	
5	shale	408	
4	Lime	412	
4	shale	416	

416

Thickness of Strata	Formation	Total Depth	Remarks
5	Lime	421	Hertha
118	Shale	539	
2	sandy shale	541	
2	sand	543	no oil
6	sand	549	slight show - wayside
51	sandy shale	600	
8	Lime	608	
6	Shale	614	
3	Lime	617	
11	shale	628	
2	Lime	630	
20	Shale	650	
3	Lime	653	
9	shale	662	
1	Lime	663	
8	Shale	671	
1	Lime	672	
24	shale	696	
7	Sandy shale	703	
14	Sand	717	broken - 50% oil
10	sand	727	solid - good show
3	sand	730	black - dead oil
90	sandy shale	820	TD



