KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1103134

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:

- [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 #:

11/21/2012	11/23/2012	11/26/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-059-26280-00-00
Spot Description:
NE - NW - SW - NW Sec. 4 Twp. 16 S. R. 21 [x] East [ ] West
3820 Feet from [ ] North / [x] South Line of Section
4635 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Franklin
Lease Name: West Lidikay Well #: 75
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 1000 Kelly Bushing: 0
Total Depth: 819 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 21 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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:
- [x] Wireline Log Received
- [ ] Geologist Report Received
- [ ] UIC Distribution

ALT [ ] I [x] II [ ] III Approved by: Deanna Garrison Date: 12/27/2012

Side Two

[redacted]
1103134

Operator Name: TDR Construction, Inc. Lease Name: West Lidikay Well #: 75

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 (Attach Additional Sheets) ☐ Yes ☑ No

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically (If no, Submit Copy) ☑ Yes ☐ No

List All E. Logs Run:

GammaRay/Neutron/CCL

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

Name	Top	Datum
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	3	50/50 POZ
Completion	5.6250	2.8750	8	786	Portland	120	50/50 POZ

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
	-			
	-			

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
3	747-751	2" DML RTG	4

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

Franklin County, KS
Well:W. Lidikay 75
Lease Owner: L L

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

Commenced Spudding:
11/21/2012

WELL LOG

15-059-26276-00-00

Thickness of Strata	Formation	Total Depth
18	Soil-Clay	18
8	Lime	26
2	Shale	28
17	Lime	45
7	Shale	52
11	Lime	63
2	Shale	65
2	Lime	67
2	Shale	69
4	Lime	73
7	Sandy Lime	80
7	Lime	87
41	Shale	128
19	Lime	147
75	Shale	222
21	Lime	243
22	Shale	265
3	Lime	268
3	Shale	271
6	Lime	277
23	Shale	300
2	Lime	302
33	Shale	335
8	Lime	343
2	Shale	345
12	Lime	357
9	Shale	366
23	Lime	389
3	Shale	392
5	Lime	397
5	Shale	402
5	Lime	407
4	Shale	411
7	Sand	418
3	Sandy Shale	421
12	Shale	433
4	Sand	437
5	Sandy Shale	442
15	Shale	457
53	Sandy Shale	510

Franklin County, KS
Well:W. Lidikay 75
Lease Owner: L L

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

Commenced Spudding:
11/21/2012

18	Shale	528
4	Sand	532
5	Sand	537
2	Broken Sand	539
40	Shale	579
7	Lime	586
7	Shale	593
2	Lime	595
5	Lime	600
3	Coal	603
4	Shale	607
6	Lime	613
13	Shale	626
3	Lime	629
10	Shale	639
7	Lime	646
3	Lime	649
15	Shale	664
2	Lime	666
9	Shale	675
4	Sand	679
3	Broken Sand	682
14	Sandy Shale	696
2	Broken Sand	698
17	Sandy Shale	715
20	Shale	735
12	Sandy Shale	747
4	Sand	751
9	Sandy Shale	760
25	Shale	785
7	Sand	792
27	Shale	819-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. 75

Farm West Lidikay

KS (State) Franklin (County)

14 (Section) 16 (Township) 21 (Range)

For TDR Construction (Well Owner)

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

West Lidike Farm: Franklin County

KS State; Well No. 75

Elevation 1000

Commenced Spuding 11-21, 2019

Finished Drilling 11-23, 2019

Driller's Name Chad Weaver

Driller's Name

Driller's Name

Tool Dresser's Name Brandon Stone

Tool Dresser's Name Cole Holcom

Tool Dresser's Name

Contractor's Name TOS

4	16	21
(Section)	(Township)	(Range)

Distance from S line, 3820 ft.

Distance from E line, 4635 ft.

0700 [illegible]

3 - sacks

CASING AND TUBING RECORD

10" Set		10" Pulled	
6 1/4" Set	21'	8" Pulled	
6¼" Set		6¼" Pulled	
4" Set		4" Pulled	
2 7/8 Set	786	2" Pulled	

776 Baffle

819 TD

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.

Thickness of Strata	Formation	Total Depth	Remarks
18	soil/clay	18	
[illegible]	Lime	[illegible]	
2	shale	28	
17	Lime	45	
7	shale	52	Dark
11	Lime	63	
2	shale	65	
2	Lime	67	
2	shale	69	
4	Lime	73	
7	sandy lime	80	
7	Lime	87	
41	shale	128	red bed "95 - 98"
19	Lime	147	
75	shale	222	
21	Lime	243	
22	shale	265	
3	Lime	268	
3	shale	271	
6	Lime	277	
23	shale	300	red bed "293 - 297"
2	Lime	302	
33	shale	335	
8	Lime	343	
2	shale	345	
12	Lime	357	
9	shale	366	

366

Thickness of Strata	Formation	Total Depth	Remarks
23	Lime	389	
3	shale	392	
5	Lime	397	
5	shale	402	
5	Lime	407	Hertha
4	shale	411	
7	Sand	418	spy, wet
3	sandy shale	421	
12	shale	433	
4	Sand	437	spy, wet
5	sandy shale	442	
15	shale	457	
53	sand & shale	510	
18	Shale	528	
4	Sand	532	we oil
5	Sand	537	odor, little oil, ok bleed
2	Broken sand	539	we oil
40	shale	579	
7	Lime	586	
7	shale	593	
2	Lime	595	
5	Lime & shale	600	lime & shale
3	coal	603	
4	shale	607	
6	Lime	613	
13	shale	626	
3	Lime	629	

Thickness of Strata	Formation	629 Total Depth	Remarks
10	shale	639	
7	lime & shale	646	
3	Lime	649	
15	shale	664	
2	Lime	666	
4	shale	675	
4	sand	679	odor, light Brown sand, some oil very slightly bleed
3	Broken sand	682	no oil
14	sand & shale	696	no oil
2	Broken sand	698	odor, very little oil
17	sandy shale	715	
20	shale	735	
12	sandy shale	747	
4	sand	751	odor, little oil stained, Brown sand
9	sand & shale	760	
25	shale	785	
7	sand	792	no oil
27	shale	819	red bed "796 - 800" TD

CONSOLIDATED
Oil Well Services, LLC

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

TICKET NUMBER 38938
LOCATION Ottawa, KS
FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11/26/12		West Gidikay #75	NW 4	16	21	FR

CUSTOMER: L+L Energy
MAILING ADDRESS: 120 Shoreline Dr
CITY: Louisburg | STATE: KS | ZIP CODE: 66053

TRUCK #	DRIVER	TRUCK #	DRIVER
481	Cas Ken	✓	Safety Meeting
1606	Gar Mad	✓	
510	Set Tuc	✓	

JOB TYPE: longstring | HOLE SIZE: 5 5/8" | HOLE DEPTH: 819' | CASING SIZE & WEIGHT: 2 7/8" EUE
CASING DEPTH: 786' | DRILL PIPE: | TUBING: baffle - 776' | OTHER:
SLURRY WEIGHT: | SLURRY VOL: | WATER gal/sk: | CEMENT LEFT in CASING: 10'
DISPLACEMENT: 4.49 bbls | DISPLACEMENT PSI: | MIX PSI: | RATE: 4.5 bpm

REMARKS: held safety meeting, established circulation, mixed + pumped 100# Premium Gel followed by 10 bbls fresh water, mixed + pumped 120 sks 50/50 Pozmix cement w/ 2% gel per sk, cement to surface, flushed pump clean, pumped 2½" rubber plug to baffle w/ 4.49 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

L+L

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1030.00
5406	20 mi	MILEAGE		80.00
5402	786'	casing footage		—
5407	½ minimum	ton mileage		175.00
1124	120 sks	50/50 Pozmix cement		1314.00
1118B	302 #	Premium Gel		63.42
4402	1	2½" rubber plug		28.00
		7.8%	SALES TAX	109.62
			ESTIMATED TOTAL	2800.04

Ravin 3737

AUTHORIZTION 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 for

254928