KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1120047

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 #:

11/19/2012	11/20/2012	11/26/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-059-26284-00-00
Spot Description:
NE - SW - NW - NW Sec. 4 Twp. 16 S. R. 21 [x] East [ ] West
4540 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 #: 79
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 1006 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:
feet depth to: 21 w/ 6 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:** 03/13/2013

Side Two

[redacted]

1120047

Operator Name: TDR Construction, Inc. Lease Name: West Lidikay Well #: 79

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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

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

List All E. Logs Run:

GammaRay/Neutron/LLC

☐ 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	6	50/50 POZ
Completioin	2.6250	8.6250	8	759	Porttland	115	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 *(Amount and Kind of Material Used)*	Depth
2	702-712	2" DML RTG	10

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

CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 38919
LOCATION Ottawa KS
FOREMAN Fred Madur

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
11/20/12		W Lidikay # 79	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
506	Fre Mad	Safety	MA
495	Nar Bec	HB	
548	Mik Haa	mH	

JOB TYPE Long String | HOLE SIZE 5 7/8 | HOLE DEPTH 817 | CASING SIZE & WEIGHT 2 1/2 EUE
CASING DEPTH 759 | DRILL PIPE Baffle in | TUBING @ 74# | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING 2 1/2 Plug @ 15'
DISPLACEMENT 4.32 BBL | DISPLACEMENT PSI | MIX PSI | RATE 5 BPM

REMARKS: Establish pump rate. Mix & Pump 100# Gel Flush. Mix Pump 115 sks 50/50 Por Mix Cement 2% Gel. Cement to Surface. Flush pump & lines clean. Displace 2½" Rubber plug to baffle in casing. Pressure to 800# PSI. Released pressure to set Float Valve. Shut in Casing.

Customer Supplied H2O
TAS Drilling.

Fred Madur

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE 495		1030.00
5406	-	MILEAGE		N/C
5402	759'	Casing Footage		N/C
5407	½ Minimum	Ton Miles		175.00
"				
1124	115 sks	50/50 Por Mix Cement		1259.25
1118B	293	Premium Gel		61.53
4402	1	2½" Rubber Plug		28.00
		7.8%	SALES TAX	105.20
			ESTIMATED TOTAL	2658.98

Ravin 3737

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.

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. 79

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 Lidiko Farm: Franklin County

155 State; Well No. 79

Elevation 1005

Commenced Spuding 11-19 2012

Finished Drilling 11-20 2012

Driller's Name Chad Weaver

Driller's Name

Driller's Name

Tool Dresser's Name Brandon Stone

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

14 16 21

(Section) (Township) (Range)

Distance from S line, 4840 ft.

Distance from E line, 4635 ft.

0654 - 0692 - 8kns

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.

2- sacks

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set	21'	8" Pulled	
6¼" Set		6¼" Pulled	
4" Set		4" Pulled	
2" Set	759	2" Pulled	

6 3/4

744 Bottle
Sick TD

Thickness of Strata	Formation	Total Depth	Remarks
25	soil/clay	25	
4	shale	29	
5	lime	34	
2	shale	36	
15	Lime	51	
7	shale	58	Dark
12	Lime	70	
3	shale	73	
2	Lime	75	75
1	shale	76	
17	Lime	93	
22	shale	115	
2	Lime	117	
23	shale	140	
17	lime	157	
76	shale	233	"gas show"
23	Lime	256	
4	shale	260	
10	sandy shale	270	
13	shale	283	
7	Lime	290	
20	shale	310	
2	Lime	312	
35	shale	347	
7	Lime	354	
3	shale	357	
12	Lime	369	

365

Thickness of Strata	Formation	Total Depth	Remarks
8	shale	377	
23	lime	400	
4	shale	404	
5	lime	409	
4	shale	413	
5	lime	418	Hankha
5	shale	423	
7	sand	430	no oil
3	sandyshale	433	
12	shale	445	
5	sand	450	no oil
2	sandyshale	452	
18	shale	470	
52	sandyshale	522	
15	shale	537	
3	sand	540	no oil
4	sand	544	odor, oil, ok bleed
5	Broken sand	549	no oil
28	shale	577	
3	sand	580	no oil
15	shale	595	
7	lime	602	
8	shale	610	
2	lime	612	
2	lime & shale	614	
2	lime	616	
4	coal	620	

Thickness of Strata	Formation	Total Depth	Remarks
		620	
3	shale	623	
6	lime	629	
13	shale	642	
4	lime	646	
8	shale	654	
9	Lime & shale	663	
2	lime	665	
15	shale	680	
3	lime	683	
5	shale	688	
13	sandy shale	701	
3	sand	704	10% - 15%, odor
1	sand	705	2% oil
1	sand	706	35% - 45%, slight bleed
1	sand	707	10% oil
2	sand	709	2% oil
3	sand	7012	30% oil
18	sandy shale	730	
20	shale	750	
9	sandy shale	759	
6	shale	765	
4	sand	769	no oil, Brown sandy very little
6	shale	775	
7	sandy shale	782	
23	shale	805	
7	sand	812	
4	sandy shale	816	

Franklin County, KS
Well: W. Lidikay 79
Lease Owner: L L

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

Commenced Spudding:
11/19/2012

WELL LOG

Thickness of Strata	Formation	Total Depth
25	Soil-Clay	25
4	Shale	29
5	Lime	34
2	Shale	36
15	Lime	51
7	Shale	58
12	Lime	70
3	Shale	73
2	Lime	75
1	Shale	76
17	Lime	93
22	Shale	115
2	Lime	117
23	Shale	140
17	Lime	157
76	Shale	233
23	Lime	256
4	Shale	260
10	Sandy Shale	270
13	Shale	283
7	Lime	290
20	Shale	310
2	Lime	312
35	Shale	347
7	Lime	354
3	Shale	357
12	Lime	369
8	Shale	377
23	Lime	400
4	Shale	404
5	Lime	409
4	Shale	413
5	Lime	418
5	Shale	423
7	Sand	430
3	Sandy Shale	433
12	Shale	445
5	Sand	450
2	Sandy Shale	452

Franklin County, KS
Well: W. Lidikay 79
Lease Owner: L L

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

Commenced Spudding:
11/19/2012

52	Sandy Shale	522
15	Shale	537
3	Sand	540
4	Sand	544
5	Broken Sand	549
28	Shale	577
3	Sand	580
15	Shale	595
7	Lime	602
8	Shale	610
2	Lime	612
2	Lime	614
2	Lime	616
4	Coal	620
3	Shale	623
6	Lime	629
13	Shale	642
4	Lime	646
8	Shale	654
9	Lime	663
2	Lime	665
15	Shale	680
3	Lime	683
5	Shale	688
13	Sandy Shale	701
3	Sand	704
1	Sand	705
1	Sand	706
1	Sand	707
2	Sand	709
3	Sand	712
18	Sandy Shale	730
20	Shale	750
9	Sandy Shale	759
6	Shale	765
4	Sand	769
6	Shale	775
7	Sandy Shale	782
23	Shale	805
7	Sand	812
4	Sandy Shale	816
3	Shale	819-TD

CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 38919
LOCATION Ottawa KS
FOREMAN Fred Madden

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

FIELD TICKET & TREATMENT REPORT
CEMENT

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11/20/12		W Lidikay # 79	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
506	Fred Mad	Safety	MA
495	Dar Bec	HB	
548	Mik Hea	mH	

JOB TYPE Long string | HOLE SIZE 5 7/8 | HOLE DEPTH 817 | CASING SIZE & WEIGHT 2 7/8 EUE
CASING DEPTH 759 | DRILL PIPE Baffle in | TUBING @ 7.4# | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING 2 1/2" Plug 0-15
DISPLACEMENT 4.32 BBL | DISPLACEMENT PSI | MIX PSI | RATE 5 BPM

REMARKS: Establish pump rate. Mix & Pump 100# Gel Flush. Mix Pump 115 sks 50/50 Poz Mix Cement 2% Gel. Cement to Surface. Flush pump & lines clean. Displace 2 1/2" Rubber plug to baffle in casing. Pressure to 800# PSI. Release pressure to set Float Valve. Shut in Casing.

Customer Supplied H2O
TOS Drilling.

Fred Madden

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE 495		1030.00
5406	-	MILEAGE		N/C
5402	759'	Casing footage		N/C
5407	1/2 Minimum	Ton Miles		175.00
1124	115 sks	50/50 Poz Mix Cement		1259.25
1118B	283	Premium Gel		101.53
4402	1	2 1/2" Rubber Plug		28.00
		7.8%	SALES TAX	105.30
			ESTIMATED TOTAL	2658.08

Ravin 3737

AUTHORIZTION [signature] TITLE DATE

Thickness of Strata	Formation	Total Depth	Remarks
3	shale	819	TD