



KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1104296

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

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
- ☐ Conv. to GSW
- ☐ Plug Back: _____ Plug Back Total Depth _____
- ☐ Commingled Permit #: _____
- ☐ Dual Completion Permit #: _____
- ☐ SWD Permit #: _____
- ☐ ENHR Permit #: _____
- ☐ GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West

_____ Feet from ☐ North / ☐ South Line of Section

_____ Feet from ☐ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☐ SE ☐ SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☐ No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____ Date: _____



1104296

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West County: _____

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:

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

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Franklin County, KS
Well: W. Lidikay 77
Lease Owner: L L

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

Commenced Spudding:
11/20/2012

WELL LOG 15-059-26282-00-00

Thickness of Strata	Formation	Total Depth
27	Soil-Clay	27
5	Lime	32
2	Shale	34
16	Lime	50
7	Shale	57
12	Lime	69
3	Shale	71
1	Lime	72
3	Shale	75
5	Lime	80
7	Sandy Lime	87
6	Lime	93
44	Shale	137
18	Lime	155
6	Shale	161
9	Sandy Shale	170
61	Shale	231
20	Lime	251
4	Shale	255
10	Sandy Shale	265
14	Shale	279
7	Lime	286
20	Shale	306
2	Lime	308
35	Shale	343
7	Lime	350
3	Shale	353
12	Lime	365
9	Shale	374
23	Lime	397
4	Shale	401
5	Lime	406
3	Shale	409
5	Lime	414
5	Shale	419
6	Sand	425
4	Sandy Shale	429
12	Shale	441
4	Sand	445
4	Sandy Shale	449

Franklin County, KS
 Well: W. Lidikay 77
 Lease Owner: L L

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

Commenced Spudding:
 11/20/2012

16	Shale	465
55	Sandy Shale	520
17	Shale	537
3	Sand	540
4	Sand	544
3	Broken Sand	547
32	Shale	579
5	Sand	584
7	Shale	591
4	Lime	595
7	Shale	602
2	Lime	604
6	Lime	610
4	Coal	614
3	Shale	617
5	Lime	622
12	Shale	634
3	Lime	637
10	Shale	647
7	Lime	654
3	Lime	657
18	Shale	675
2	Lime	677
6	Shale	683
1	Sand	684
2	Sand	686
4	Sand	690
2	Sand	692
4	Sand	696
1	Sand	697
1	Sand	698
2	Sand	700
1	Sand	701
2	Sand	703
5	Sandy Shale	708
2	Shale	710
15	Sandy Shale	725
23	Shale	748
3	Sandy Shale	751
4	Shale	755
7	Sand	762
4	Sandy Shale	766
28	Shale	794
7	Sand	801
6	Sandy Shale	807
2	Sand	809
4	Red Bed	813

Franklin County, KS
Well: W. Lidikay 77
Lease Owner: L L

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

Commenced Spudding:
11/20/2012

2	Shale	815
5	Sand	820
28	Shale	848
2	Sand	850
20	Shale	870
5	Sand	875
5	Shale	880-TD

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 - RPMxd over SPMxR

d - SPMxRx D over RPM

SPM - RPMxD over Rx D

R - RPMxD over SPMxD

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

* Need these to figure belt length

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

746 WATTS equal 1 HP

Log Book

Well No. 77

Farm West L. L. L. Co.

KS Franklin
(State) (County)

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

For TDR Construction
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

West Kildare Farm: Cranklin County

KS State; Well No. 77

Elevation 1005

Commenced Spuding 11-20, 2012

Finished Drilling 11-21 2012

Driller's Name And Weir

Driller's Name _____

Driller's Name _____

Tool Dresser's Name Brandon Stone

Tool Dresser's Name _____

Tool Dresser's Name _____

Contractor's Name TDS

4 16 21

(Section) (Township) (Range)

Distance from S line, 4180 ft.

Distance from E line, 4635 ft.

0692-5700-8 hrs

2. Cocks

**CASING AND TUBING
RECORD**

10'' Set _____ 10'' Pulled _____

6 3/4" Set 21' 8" Pulled

6 1/4" Set _____ 6 1/4" Pulled _____

4" Set 14 4" Pulled

271 Set 7844 B.C. 2.10 Pulled

819 TB

[illegible]

Thickness of Strata	Formation	Total Depth	Remarks
27	soil clay	27	
5	Lime	32	
2	shale	34	
16	Lime	50	
7	shale	57	Dark
12	Lime	69	
3	shale	71	
1	Lime	72	
3	shale	75	
5	Lime	80	
7	silty lime	87	
6	Lime	93	
44	shale	137	
18	Lime	155	
6	shale	161	
9	sandy shale	170	
61	shale	231	
20	Lime	251	
4	shale	255	
10	sandy shale	265	
14	shale	279	
7	Lime	286	
20	shale	306	
2	Lime	308	
25	shale	343	
7	Lime	350	
3	shale	353	

Thickness of Strata	Formation	353 Total Depth	Remarks
12	Lime	365	
9	shale	374	
23	Lime	397	
4	shale	401	
5	Lime	406	
3	shale	409	
5	Lime	414	Harder
5	shale	419	
6	sand	425	no oil
4	sandy shale	429	
12	shale	441	
4	sand	445	no oil
4	sandy shale	449	
16	shale	465	
55	sandy shale	520	
17	shale	537	
3	sand	540	no oil
4	sand	544	odor, very little oil & bleeding
3	Broken sand	547	no oil
32	shale	579	
5	sand	584	no oil
7	shale	591	
4	Lime	595	
7	shale	602	
2	Lime	604	
6	Lime & shale	610	
4	ocean	614	

614			
Thickness of Strata	Formation	Total Depth	Remarks
3	shale	617	
5	Lime	622	
12	shale	634	
3	Lime	637	
10	shale	647	
7	Lime & shale	654	
3	Lime	657	
18	shale	675	
2	Lime	677	
6	shale	683	
1	sand	684	Buckner sand, no oil
2	sand	686	10% - 15% o.i., carbon
4	sand	690	no o.i.
2	sand	692	10% - 20% o.i.
4	sand	696	no o.i.
1	sand	697	10%
1	sand	698	no
2	sand	700	10%
1	sand	701	no o.i.
2	sand	703	15% - 20%
5	sandy shale	708	no o.i.
2	shale	710	
15	sandy shale	725	
23	shale	748	
3	sandy shale	751	
4	shale	755	
7	sand	762	oil sand, no sand

[illegible]

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

TICKET NUMBER 38936

LOCATION Ottawa, KS

FOREMAN Casey Kennedy
 CRT:

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11/21/12		West Lidikey # 77	NW 4	160	21	FR
CUSTOMER L+L Energy						
MAILING ADDRESS 120 Shoreline Dr						
CITY Louisburg	STATE KS	ZIP CODE 66053				
			TRUCK #	DRIVER	TRUCK #	DRIVER
			481	Casken	✓	Safety Meeting
			16160	Bar Moo	✓	
			558	BreMan	✓	

JOB TYPE long string HOLE SIZE 5 5/8" HOLE DEPTH 819' CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 800' DRILL PIPE _____ TUBING baffle - 784' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 16'
 DISPLACEMENT 4.54 bbl/s 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 11 @ 50/50 Pozmix cement w/ 2% gel per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to ~~annular~~ bottle w/ 4.54 bbls fresh water, pressured to 500 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

254924