



KANSAS CORPORATION COMMISSION 1089461  
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 # 34648  
Name: A & L Energy Operations LLC  
Address 1: 575 MADISON AVENUE 22ND FL  
Address 2: \_\_\_\_\_  
City: NEW YORK State: NY Zip: 10022 + \_\_\_\_\_  
Contact Person: Andrew Pietra  
Phone: ( 212 ) 586-6665  
CONTRACTOR: License # 8509  
Name: Evans Energy Development, Inc.  
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  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

<u>6/7/2012</u>	<u>6/8/2012</u>	<u>8/6/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-045-21772-00-00

Spot Description:  
NE SW NE NE Sec. 6 Twp. 14 S. R. 21  East  West  
860 Feet from  North /  South Line of Section  
860 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Douglas  
Lease Name: Thoren Well #: 55  
Field Name: Little Wakarusa

Producing Formation: Barltesville

Elevation: Ground: 908 Kelly Bushing: 0

Total Depth: 758 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 44 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_  
feet depth to: 44 w/ 12 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 Garrison Date: 08/09/2012



1089461

Operator Name: A & L Energy Operations LLC Lease Name: Thoren Well #: 55  
 Sec. 6 Twp. 14 S. R. 21  East  West County: Douglas

**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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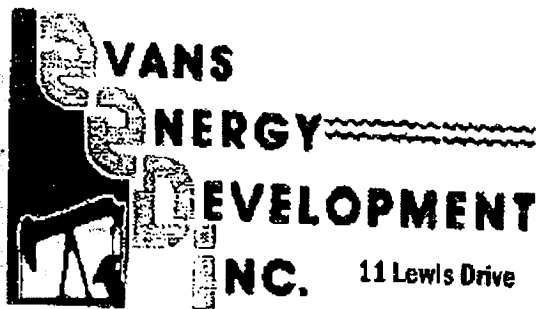
CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	9	7	10	44	Portland	12	50/50 POZ
Completion	5.6250	2.8750	8	758	Portland	105	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
3	682.0-692.0	2" DML RTG	10

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 <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <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) _____	PRODUCTION INTERVAL: _____ _____
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**VANS  
ENERGY  
DEVELOPMENT  
INC.**

11 Lewis Drive

Paola, KS 66071

**Oil & Gas Well Drilling  
Water Wells  
Geo-Loop Installation**

Phone: 913-557-9083  
Fax: 913-557-9084

**WELL LOG**

A & L Energy Operations, LLC

Thoren #55

API #15-045-21,772

June 7 - June 8, 2012

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
16	soi & clay	16
43	shale	59
31	lime	90
10	shale	100
5	lime	105
8	shale	113
19	lime	132
33	shale	165
15	lime	180
47	shale	227
8	lime	235
14	shale	249
17	lime	266
25	shale	291
8	lime	297
23	shale	320
13	lime	333
6	shale	339
30	lime	369
8	shale	377
21	lime	398
3	shale	401
16	lime	417 base of the Kansas City
146	shale	563
3	lime	566 oil show
18	shale	584
5	lime	589
4	shale	593
4	lime	597
28	shale	625
6	lime	631
50	shale	681
0.2	lime	681.2
0.3	oil sand	681.5
0.5	broken sand	682 good bleeding, finely laminated
2	oil sand	684 fair bleeding, seams tight
6.5	oil sand	690.5 good saturation, good bleeding
67.5	shale	758 TD

Thoren #55

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Drilled a 9 7/8" hole to 44.3'

Drilled a 5 5/8" hole to 756'

Set 44.3' of 7" casing threaded and coupled cemented with 12 sacks of cement.

Set 748.8' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.

Core Times	
<u>Minutes</u>	<u>Seconds</u>
682	51
683	46
684	43
685	27
686	28
687	34
688	28
689	30
690	32
691	45
692	51
693	53
694	52
695	55
696	54
697	53
698	51
699	46
700	55



**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 39594  
LOCATION Ottawa, KS  
FOREMAN Tim Green

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
06-08-12	3898	Thoren # 55	SESW 6	14-	21 E	26
CUSTOMER <u>A&amp;L Energy Operations LLC</u>			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS <u>575 Madison Ave. 2nd Fl</u>			<u>669 Tim Green JG</u>			
CITY STATE ZIP CODE <u>New York NY 10027</u>			<u>666 Greg Moore GM</u>			
			<u>675 Ken Dyer KD</u>			
			<u>548 Mil Has MH</u>			
JOB TYPE <u>Logging</u>	HOLE SIZE <u>5 1/2"</u>	HOLE DEPTH <u>748'</u>	CASING SIZE & WEIGHT <u>2 7/8"</u>			
CASING DEPTH <u>758'</u>	DRILL PIPE	TUBING	OTHER			
SLURRY WEIGHT	SLURRY VOL	WATER gal/ok	CEMENT LEFT in CASING			
DISPLACEMENT	DISPLACEMENT PSI	MIX PSI	RATE			

REMARKS: Held crew meeting. Establish circulation, mix and pump 100# Gel to flush Hole. Mix and pump 105 cu 100# 102 mix Cement with 2% Gel. Flush pump clear of cement. Pump 2 1/2" Rubber plug to total depth of casing, circulating cement to surface casing. Held 800# PSI, set 5 min.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	One	PUMP CHARGE		1030 <sup>00</sup>
5406	25	MILEAGE <u>666</u>		100 <sup>00</sup>
5402	748'	Casing footage		N/C
5407	Mix	Ten Mileage <u>548</u>		350 <sup>00</sup>
5502C	2 HRS	WAL TR OWN H2O <u>675</u>		180 <sup>00</sup>
1124	105 cu	<u>105 50/50 102 mix Cement.</u>		1149 <sup>75</sup>
1118B	300#	<u>Premium Gel</u>		63 <sup>00</sup>
5402	One	<u>2 1/2" Rubber Plug</u>		28 <sup>00</sup>
<b>SCANNED</b>				
SALES TAX				90.52
ESTIMATED TOTAL				2991.32

Revin 3737

AUTHORIZATION

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.