



KANSAS CORPORATION COMMISSION 1089465  
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>6/22/2012</u>	<u>6/25/2012</u>	<u>8/8/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-045-21769-00-00

Spot Description: \_\_\_\_\_  
SW SW NE NE Sec. 6 Twp. 14 S. R. 21  East  West  
4196 Feet from  North /  South Line of Section  
1082 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Douglas

Lease Name: Thoren Well #: 77

Field Name: Little Wakarusa

Producing Formation: Bartlesville

Elevation: Ground: 912 Kelly Bushing: 0

Total Depth: 738 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 42 Feet

Multiple Stage Cementing Collar Used?  Yes  No

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

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: 42 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 Garcia Date: 08/14/2012



1089465

Operator Name: A & L Energy Operations LLC Lease Name: Thoren Well #: 77  
 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 (Attach Additional Sheets)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	GammaRay	
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Electric Log Submitted Electronically (If no, Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
List All E. Logs Run:			
GammaRay/Neutron/CCL			

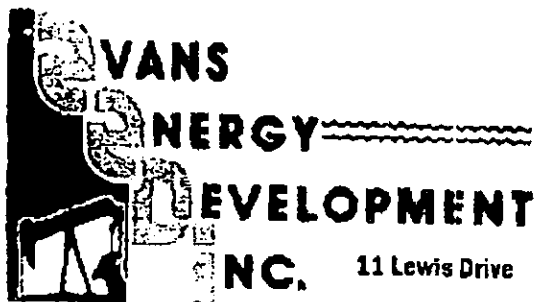
CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	9	7	10	42	Portland	12	50/50 POZ
Completion	5.6250	2.8750	8	722	Portland	93	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	683.0-693.0	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 (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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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 #77

API #15-045-21,769

June 22 - June 25, 2012

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
16	soil & clay	16
45	shale	61
32	lime	93
6	shale	99
8	lime	107
9	shale	116
9	lime	125
41	shale	166
17	lime	183
46	shale	229
8	lime	237
14	shale	251
12	lime	263
3	shale	266
3	lime	269
20	shale	289
10	lime	299
21	shale	320
10	lime	330
3	shale	333
36	lime	369
7	shale	376
23	lime	399
4	shale	403
15	lime	418 base of the Kansas City
167	shale	585 oil show 510
6	lime	591
3	shale	594
3	lime	597
5	shale	602
10	lime	612
13	shale	625
6	lime	631
51	shale	682
9	oil sand	691 brown good bleeding
3	broken sand	694 brown & green sand, good bleeding
44	shale	738 TD

Thoren #77

Page 2

Drilled a 9 7/8" hole to 42.6'

Drilled a 5 5/8" hole to 738'

Set 42 6' of 7" casing threaded and coupled cemented with 12 sacks of cement.

Set 727 7' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.



**CONSOLIDATED**  
Oil Well Services, LLC

77

TICKET NUMBER 37345  
LOCATION Ottawa  
FOREMAN Alan Mader

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-457-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
6-25-12	3878	Therena <del>TT</del>	NEL	14	21	DC	
CUSTOMER <u>Adh Energy</u>			TRUCK # DRIVER TRUCK # DRIVER				
MAILING ADDRESS <u>575 Madison Ave 2nd fl</u>			<u>376</u>	<u>Alan Mader</u>	<u>Safety</u>	<u>Meat</u>	
CITY STATE ZIP CODE <u>New York NY 10022</u>			<u>368</u>	<u>Kei Car</u>	<u>KE</u>		
			<u>875</u>	<u>Kei Det</u>	<u>KD</u>		
			<u>510</u>	<u>Set/Tuc</u>	<u>ST</u>		
JOB TYPE	<u>long string</u>	HOLE SIZE	<u>5 5/8</u>	HOLE DEPTH	<u>738</u>	CASING SIZE & WEIGHT	<u>2 7/8</u>
CASING DEPTH	<u>728</u>	DRILL PIPE		TUBING		OTHER	
SLURRY WEIGHT	<u>8</u>	SLURRY VOL		WATER gal/ok		CEMENT LEFT in CASING	<u>Yes</u>
DISPLACEMENT	<u>4.2</u>	DISPLACEMENT PSI	<u>800</u>	MIX PSI	<u>200</u>	RATE	<u>46 gpm</u>
REMARKS: <u>Held crew meet. Established rate. Mixed &amp; pumped 100# gel followed by SK 50/50 cement plus 290 gel. Circulated cement. Flushed pump. Pumped plug to casing ID. Well held 800 PSI. Set float. Close valve</u>							

Evans Energy, Travis

Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		10.30.00
5406	30	MILEAGE		120.00
5402	722	casing footage		
5407	1/2 min	you miles		175.00
5502L	2	80 gal		180.00
1124	93	50/50 cement		1018.35
1118B	256	gel		53.76
4402	1	2 1/2 plug		28.45
<b>SCANNED</b>				
SALES TAX ESTIMATED TOTAL				80.31
				2685.42

Revn 3737

AUTHORIZATION [Signature]

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