



KANSAS CORPORATION COMMISSION 1089448  
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>6/27/2012</u>	<u>6/28/2012</u>	<u>8/6/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-045-21777-00-00  
Spot Description: \_\_\_\_\_  
SE SE NW NE Sec. 6 Twp. 14 S. R. 21  East  West  
1190 Feet from  North /  South Line of Section  
1520 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Douglas  
Lease Name: Thoren Well #: 84  
Field Name: \_\_\_\_\_  
Producing Formation: Bartlesville  
Elevation: Ground: 910 Kelly Bushing: 0  
Total Depth: 760 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 bbbls  
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 Garbar Date: 08/10/2012



1089448

Operator Name: A & L Energy Operations LLC Lease Name: Thoren Well #: 84  
 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	42	Portland	12	50/50 POZ
Completion	5.6250	2.8750	8	750	Portland	102	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	-			

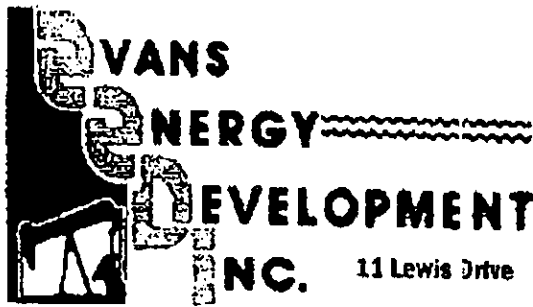
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3	687.0-695.0	2" DML RTG	8

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
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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) (Submit ACO-4)</i> <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 #84

API #15-045-21.777

June 27 - June 28, 2012

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
16	soil & clay	16
49	shale	65
10	lime	75
3	shale	78
20	lime	98
10	shale	108
3	lime	111
6	shale	117
20	lime	137
34	shale	171
15	lime	186
47	shale	233
8	lime	241
14	shale	255
17	lime	272
20	shale	292
10	lime	302
18	shale	320
11	lime	331
5	shale	336
38	lime	374
6	shale	380
21	lime	401
3	shale	404
18	lime	422 base of the Kansas City
167	shale	589
4	lime	593
37	shale	630
5	lime	635
8	shale	643
3	lime	646
40	shale	686
1	broken sand	687
4	oil sand	691
3	broken sand	694
66	shale	760 TD

Thoren #84

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Drilled a 9 7/8" hole to 42.6'  
Drilled a 5 5/8" hole to 760'

Set 42.6' of 7" casing threaded and coupled cemented with 12 sacks of cement.

Set 750' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.



**CONSOLIDATED**  
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8878

TICKET NUMBER 37370  
LOCATION Ottawa KS  
FOREMAN Fred Maden

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

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6/29/12	3898	Thoran # 84	NW 1	15	20	DG

CUSTOMER  
A E L Energy Operations LLC  
MAILING ADDRESS  
575 Madison Ave. 22nd FL  
CITY  
New York STATE  
NY ZIP CODE  
10022

TRUCK #	DRIVER	TRUCK #	DRIVER
506	Fred Mad	Safety Mfg	
495	Har Mac	HA	
369	Der Mac	DM	
510	Set Tve	ST	

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 760' CASING SIZE & WEIGHT 2 7/8" EUE  
CASING DEPTH 270' DRILL PIPE 7.50' TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT 7.50 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING 2 1/2" Plug  
DISPLACEMENT 4.3488 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5.3 PM

REMARKS: Establish pump rate. Mix Pump 100# Gal Flush. Mix Pump  
102 sks 50/50 Por Mix Cement 270 Gal. Cement to Surface.  
Flush pump & lines clean. Displace 2 1/2" Rubber plug to  
casing TD. Pressure to 800 # PSI. Release pressure to  
set of float valve. Shut in casing. Shut in valve on  
side of surface casing to halt flow of oil.

*Fred Maden*

Evans Energy Dev. Inc. - Travis.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1030 <sup>00</sup>
5406	30 mi	MILEAGE	495	120 <sup>00</sup>
5402	700'	Casing footage		NIC
5407	1/2 Minimum	Ten Miles	510	175 <sup>00</sup>
5502C	1 1/2 hr	80 BBL Vac Truck	369	135 <sup>00</sup>
1124	102 sks	50/50 Por Mix Cement		1116 <sup>90</sup>
118B	272 <sup>#</sup>	Premium Gal		57 <sup>12</sup>
4402	1	2 1/2" Rubber Plug		25 <sup>00</sup>
			7.30	SALES TAX
				ESTIMATED
				TOTAL
				8785
				2749 <sup>71</sup>

11avin 3737

*[Signature]*

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