



KANSAS CORPORATION COMMISSION 1089460
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>7/6/2012</u>	<u>7/7/2012</u>	<u>8/6/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-045-21789-00-00

Spot Description: _____
NW SE NW NE Sec. 6 Twp. 14 S. R. 21 East West
860 Feet from North / South Line of Section
1850 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Douglas

Lease Name: Thoren Well #: 91

Field Name: Little Wakarusa

Producing Formation: Bartlesville

Elevation: Ground: 916 Kelly Bushing: 0

Total Depth: 759 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



1089460

Operator Name: A & L Energy Operations LLC Lease Name: Thoren Well #: 91
Sec. 6 Twp. 14 S. R. 21 [x] 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 [] Yes [x] No
Samples Sent to Geological Survey [] Yes [x] No
Cores Taken [] Yes [x] No
Electric Log Run [x] Yes [] No
Electric Log Submitted Electronically [x] Yes [] No
List All E. Logs Run: GammaRay/Neutron/CCL

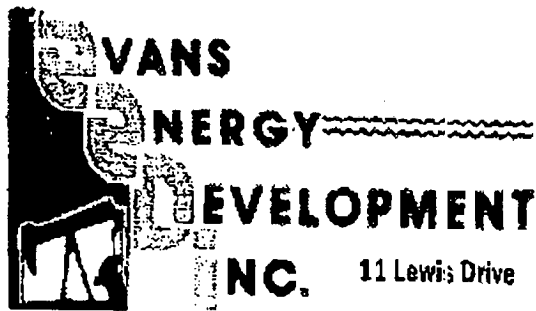
CASING RECORD [x] New [] Used
Report all strings set-conductor, surface, intermediate, production, etc.
Table with columns: Purpose of String, Size Hole Drilled, Size Casing Set (In O.D.), Weight Lbs. / Ft., Setting Depth, Type of Cement, # Sacks Used, Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD
Table with columns: Purpose, Depth Top Bottom, Type of Cement, # Sacks Used, Type and Percent Additives

PERFORATION RECORD - Bridge Plugs Set/Type
Specify Footage of Each Interval Perforated
Table with columns: Shots Per Foot, PERFORATION RECORD, Acid, Fracture, Shot, Cement Squeeze Record, Depth

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
METHOD OF COMPLETION: [] Open Hole [] Perf. [] Dually Comp. [] Commingled
PRODUCTION INTERVAL:



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 #91

API #15-045-21,788

July 6 - July 7, 2012

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
21	soil & clay	21
48	shale	69
4	lime	73
6	shale	79
21	lime	100
6	shale	106
7	lime	113
11	shale	124
18	lime	142
35	shale	177
18	lime	195
41	shale	236
11	lime	247
3	shale	250
17	lime	267
7	shale	274
3	lime	277
18	shale	295
9	lime	304
16	shale	320
18	lime	338
5	shale	343
32	lime	375
6	shale	381
22	lime	403
4	shale	407
17	lime	424 base of the Kansas City
167	shale	591 571 oil show
4	lime	595
35	shale	630
5	lime	635
53	shale	688
1	broken sand	689 brown & green sand, ok bleeding
5	oil sand	694 brown, good bleeding
2	broken sand	696 brown & green sand, good bleeding
63	shale	759 TD

Thoren #91

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Drilled a 9 7/8" hole to 44.5'

Drilled a 5 5/8" hole to 759'

Set 44.5' of 7" casing threaded and coupled cemented with 12 sacks of cement.

Set 748 7' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 37414
LOCATION Ottawa
FOREMAN Alan Maden

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
7-10-12	3898	Thoren 91	NE 6	14	21	DL
CUSTOMER <u>A+L Energy</u>			TRUCK #			
MAILING ADDRESS <u>575 Madison 22nd Fl.</u>			DRIVER			
CITY <u>New York</u>		STATE <u>NY</u>	ZIP CODE <u>10022</u>		TRUCK #	
JOB TYPE <u>long string</u>			HOLE SIZE <u>5 7/8</u>	HOLE DEPTH <u>759</u>	CASING SIZE & WEIGHT <u>2 1/8</u>	
CASING DEPTH <u>748</u>			DRILL PIPE	TUBING	OTHER	
SLURRY WEIGHT			SLURRY VOL	WATER gal/ak	CEMENT LEFT IN CASING <u>YES</u>	
DISPLACEMENT <u>4.34</u>			DISPLACEMENT PSI <u>800</u>	MIX PSI <u>200</u>	RATE <u>4 bpm</u>	

REMARKS: Held crew meet. Est. established rate. Mixed & pumped 100# gel followed by 77sk OWC plus 4# flo seal per sack. Circulated cement. Flushed pump. Pumped plug to casing TD. Well held 800 PSI. Set float. Closed casing valve. Closed annulus valve with 4 bbl left to pump.

Evans Energy, Travis.

Alan Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5421	1	PUMP CHARGE	368	1030.00
5406	30	MILEAGE	368	120.00
5402	748	casing footage	368	175.00
5407	1/2 min	ton miles	378	180.00
5502C	2	80 val	370	1447.60
1126	77	OWC		21.00
1183	100#	gel		44.65
1107	19#	flo seal		28.00
4402	1	2 1/2 plug		
SCANNED				
SALES TAX				112.51
ESTIMATED TOTAL				3158.76

Form 3737

AUTHORIZATION Jarrod Hoehn by phone 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.