



KANSAS CORPORATION COMMISSION 1089437
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 SLOW
 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 #:
6/11/2012 6/12/2012 8/6/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-045-21764-00-00
Spot Description:
NW SW NE NE Sec. 6 Twp. 14 S. R. 21 East West
860 Feet from North / South Line of Section
1190 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Douglas
Lease Name: Thoren Well #: 72
Field Name: Little Wakarusa
Producing Formation: Bartlesville
Elevation: Ground: 914 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 Garriss Date: 08/09/2012



1089437

Operator Name: A & L Energy Operations LLC Lease Name: Thoren Well #: 72
 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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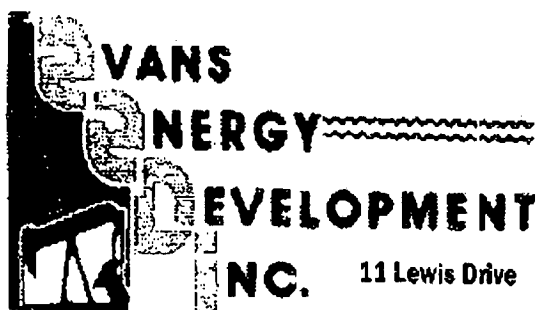
CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	9	7	10	44	Portland	12	50/50 POZ
Completion	5.6250	2.8750	8	749	Portland	99	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 <i>(Amount and Kind of Material Used)</i>	Depth
3	688.0-698.0	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 Bbbs.	Gas Mcf	Water Bbbs. 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) (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 #72

API #15-045-21,764

June 11 - June 12, 2012

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
16	soil & clay	16
50	shale	66
31	lime	97
7	shale	104
6	lime	110
17	shale	127
5	lime	132
39	shale	171
18	lime	189
44	shale	233
9	lime	242
14	shale	256
13	lime	269
2	shale	271
2	lime	273
20	shale	293
16	lime	309
15	shale	324
9	lime	333
9	shale	342
30	lime	372
7	shale	379
24	lime	403
3	shale	406
15	lime	421 base of the Kansas City
187	shale	588
6	lime	594
35	shale	629
3	lime	632
55	shale	687
1	sand	688 green, no oil
2	oil sand	690 brown sand, good sand, good bleeding
3.5	broken sand	693.5 brown & green, 80% bleeding sand gassy
1.5	broken sand	695 90% green sand 10% brown sand, no bleeding
64	shale	759 TD

Thoren #72

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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 749.5' 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>
688		46
689		43
690		36
691		45
692		41
693		57
694	1	4
695	1	2
696		55
697		52
698		46
699		49
700		52
701	1	2
702		57
703		47
704		52
705		50
706		46
707		47



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 39881

LOCATION Ottawa KS

FOREMAN Fred Madar

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
6/2/12	3898	Thoren # 72	NE 6	14	21	OG

CUSTOMER
Adl Energy Operations
MAILING ADDRESS
575 Madison Ave. 22nd Fl
CITY
New York STATE
NY ZIP CODE
10022

TRUCK #	DRIVER	TRUCK #	DRIVER
506	FREMAD	Safety	MT
495	HARBEC	HB	
369	DERMAS	DM	
548	MIK HAA	MIH	

JOB TYPE Logging HOLE SIZE 5 7/8 HOLE DEPTH 759 CASING SIZE & WEIGHT 2 7/8 EUF
CASING DEPTH 749 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 2 1/2" Plug
DISPLACEMENT 7.35 BA DISPLACEMENT PSI _____ MIX PSI _____ RATE 5.8 BPIN

REMARKS: Establish pump mtu. Mix + Pump 100# Gel Flush. Mix + Pump
99 sks 50/50 Por Mix Cement 2% Gel. Cement to Surface.
Flush pump & lines clean. Displace 2 1/2" Rubber plug to
casing TD. Pressure to 800# PSI. Release pressure to set
float valve. Shut in casing.

Evans Energy Dev Inc - Travis

Fred Madar

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1030 ⁰⁰
5406	25 m	MILEAGE	495	100 ⁰⁰
5402	749	Casing footage		1/10
5407	Minimum	Ten Miles	548	380 ⁰⁰
53020	2 hrs	80 BAC Vac Truck	369	180 ⁰⁰
1124	99 sks	50/50 Por Mix Cement		1084 ⁰⁵
1198	270 #	Premium Gel		56 ⁷⁰
4402	1	2 1/2" Rubber Plug		28 ⁰⁰
			7.3%	SALES TAX
				ESTIMATED TOTAL
				2914 ⁰⁷

SCANNED

Ravn 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.