Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1210270

Form ACO-1
August 2013
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: Eran Elad
Phone: (201) 622-8800
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
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

5/20/2014	5/21/2014	5/21/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-059-26667-00-00
Spot Description:
NE NW SW SE Sec. 20 Twp. 16 S. R. 21 ☑ East ☐ West
1120 Feet from ☐ North / ☑ South Line of Section
2000 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Franklin
Lease Name: Alma Well #: 4
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 958 Kelly Bushing: 0
Total Vertical Depth: 713 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 23 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: 23 w/ 5 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

☑ **Confidentiality Requested**
Date: 06/20/2014
☑ **Confidential Release Date:** 06/19/2016
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 06/23/2014

[redacted] 1210270

Operator Name: A & L Energy Operations LLC Lease Name: Alma Well #: 4

Sec. 20 Twp. 16 S. R. 21 ☑ East ☐ West County: Franklin

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken *(Attach Additional Sheets)*	☐ Yes	☑ No	☐ Log	Formation (Top), Depth and Datum ☐ Sample
Samples Sent to Geological Survey	☐ Yes	☑ No	Name	Top Datum
Cores Taken	☑ Yes	☐ No	GammaRay	
Electric Log Run	☑ Yes	☐ No		

List All E. Logs Run:

GammaRay/Neutron/CCL

CASING RECORD ☑ New ☐ 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	23	Portland	5	50/50 POZ
Completion	5.6250	2.8750	8	703	Portland	100	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	-			

Did you perform a hydraulic fracturing treatment on this well? ☑ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☑ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

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
2	625.0-647.0	2" DML RTG	22

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 5/21/2014

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 *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	A & L Energy Operations LLC
Well Name	Alma 4
Doc ID	1210270

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	9	7	10	23	Portland	5	50/50 POZ
Completion	5.6250	2.8750	8	703	Portland	100	50/50 POZ

EVANS 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
Alma #4
API #15-059-26,667
May 20 - May 21, 2014

Thickness of Strata	Formation	Total	
10	soil & clay	10	
8	lime	18	
5	shale	23	
22	lime	45	
26	shale	71	
16	lime	87	
4	shale	91	
6	lime	97	
82	shale	179	
20	lime	199	
27	shale	226	
5	lime	231	
29	shale	260	
11	lime	271	
2	shale	273	
2	lime	275	
16	shale	291	
23	lime	314	
7	shale	321	oil show
24	lime	345	
6	shale	351	
8	lime	359	base of the Kansas City
51	shale	410	
6	sand	416	
92	shale	508	
8	lime	516	
23	shale	539	
17	sand	556	white, no oil
1	coal	557	
8	shale	565	
8	lime	573	
11	shale	584	
4	lime	588	
19	shale	607	
3	lime	610	
3	shale	613	
5	lime	618	good bleeding
6	shale	624	

1	broken sand	625 brown & green, light bleeding
3	oil sand	628 brown, light bleeding
2	broken sand	630 brown & green, light bleeding
4	oil sand	634 brown, light bleeding
1	broken sand	635 brown & green, light bleeding
1	limey sand	636 white, no oil
2	broken sand	638 brown & grey, 90% bleeding
9	oil sand	647 brown 80% bleeding
5	oil sand	652 black 20% bleeding
61	sandy shale	713 brown & grey snd, no bleeding
		713 TD

Drilled a 9 7/8" hole to 22.6'
Drilled a 5 5/8" hole to 713'

Set 22.6' of 9 7/8" casing threaded and coupled cemented with 5 sacks of cement.

Set 703' of 2 7/8" 8 round upset 3 centralizers, 1 float shoe, 1 clamp.

	Core Times	
	Minutes	Seconds
625		54
626		41
627		48
628		41
629		39
630		45
631		40
632		39
633		33
634		38
635		42
636		38
637		45
638		57
639		34
640		44
641		46
642		44
643		41
644		43
645		45
646		47
647		43
648		43
649		49
650		45
651		42
652		41
653		45
654		46
655		44
656	1	0
657	1	20
658	1	40
659	1	33
660	1	25
661	1	18
662	1	8
663	1	36
664	2	14