



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 # 1-1

API #15-059-26,693

May 30 - June 2, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
12	soil & clay	12
11	lime	23
7	shale	30
22	lime	52
26	shale	78
24	lime	102
82	shale	184
21	lime	205
27	shale	232
5	lime	237
30	shale	267
10	lime	277
20	shale	297
23	lime	320
10	shale	330
20	lime	350
5	shale	355
12	lime	367 base of the Kansas City
153	shale	520
6	lime	526
38	shale	564
1	coal	565
6	shale	571
7	lime	578
12	shale	590
3	lime	593
12	shale	605
4	lime	609
13	shale	622
5	lime	627 good bleeding
4	shale	631
1	broken oil sand	632 brown & green, light bleeding
2	limy sand	634
2	broken sand	636 brown & green, 70% bleeding
1	limy sand	637
12.5	broken sand	649.5 brown & green 80% bleeding

Alma #I-1

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2.5
1
30

shale
oil sand
shale

652
653 black, light oil show
683 TD

Drilled a 9 7/8" hole to 22.7'
Drilled a 5 5/8" hole to 683'

Set 22.7' of 7" casing cemented with 5 sacks of cement.

Set 673' of 2 7/8" 8 round upset 3 centralizers, 1 float shoe, 1 clamp.

	<u>Core Sample</u>	
	<u>Minutes</u>	<u>Second</u>
633	1	14
634		45
635		27
636		22
637		30
638		26
639		22
640		24
641		23
642		24
643		23
644		26
645		20
646		28
647		25
648		29
649		29
650		30
651		28
652	1	20
653		31
654		29
655		33
656		37
657		23
658		47
659		46
660		13
661		30
662		49
663		47
664		53
665		54
666		34
667		51



CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

TICKET NUMBER 47289

LOCATION Ottawa KS

FOREMAN Fred Madry

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-2-14	3898	Alma # I-1	SF 20	16	21	FR
CUSTOMER <u>AdL Energy Operations LLC</u>			TRUCK #			
MAILING ADDRESS <u>575 Madison Ave</u>			DRIVER			
CITY <u>New York</u>			TRUCK #			
STATE <u>NY</u>			DRIVER			
ZIP CODE <u>10022</u>			TRUCK #			
			DRIVER			

JOB TYPE Longstring HOLE SIZE 5 7/8 HOLE DEPTH 682' CASING SIZE & WEIGHT 2 1/8 EUE
 CASING DEPTH 672' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 2 1/2" Plug
 DISPLACEMENT 3.9 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 BPM

REMARKS: Hold crew safety meeting. Establish pump rate. Mix & Pump 100# Gel Flush. Mix & Pump 50/50 Poz Mix Cement 270 gal. Cement to surface. Flush pump & lines clean. Displace 2 1/2" Rubber plug to casing TD. Pressure to 800 PSI. Hold & Monitor pressure for 30 min MIT. Release pressure to set float valve. Shut in Casing.

Evans Energy Services Inc - Travis

Fred Madry

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085 ⁰⁰
5406	15 mi	MILEAGE	495	63 ⁰⁰
5402	672'	Casing footage		N/C
5407	Minimum	Ton Miles	510	368 ⁰⁰
5502C	1 1/2 hr	80 BBL Vac Truck	369	150 ⁰⁰
1124	92 SKS	50/50 Poz Mix Cement	1058 ⁰⁰	
1118B	255 #	Premium Gel	56 ¹⁰	
		Material	1114 ¹⁰	
		Less 30%	- 334 ²³	
		Total		779 ⁸⁷
4402	1	2 1/2" Rubber Plug		29 ⁵⁰
			2897.09	
		7.65%	SALES TAX	61 ⁸²
			ESTIMATED	
			TOTAL	2537 ²⁹

Ravin 3737

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.