



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 #8

API #15-059-26,670

May 28 - May 29, 2014

Thickness of Strata

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
10	soil & clay	10
15	lime	25
6	shale	31
21	lime	52
23	shale	75
23	lime	98
87	shale	185
20	lime	205
27	shale	232
5	lime	237
30	shale	267
9	lime	276
2	shale	278
1	lime	279
19	shale	298
21	lime	319
8	shale	327
22	lime	349
5	shale	354
14	lime	368 base of the Kansas City
149	shale	517
12	lime	529
33	shale	562
1	coal	563
5	shale	568
5	lime	573
15	shale	588
3	lime	591
26	shale	617
5	lime	622 ok bleeding
8	shale	630
0.5	broken sand	630.5 brown & green, light bleeding
18.5	oil sand	649 brown, no bleeding, washed
1	limey sand	650
7.5	oil sand	657.5 brown 90% bleeding
1.5	limey sand	659
1	oil sand	660 brown 100% bleeding
4	sand	664 black no bleeding

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35

oil sand
shale

677 black 90% bleeding
712 TD

Drilled a 9 7/8" hole to 22.4'
Drilled a 5 5/8" hole to 712'

Set 22.4' of 9 7/8" casing threaded and coupled cemented with 5 sacks of cement.

Set 702' of 2 7/8" 8 round upset 3 centralizers, 1 float shoe, 1 clamp.

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Core Times	
<u>Minutes</u>	<u>Seconds</u>
	31
	16
	37
	22
	30
	23
	29
	19
	24
	48
	31
	26
	25
	29
	20
	26
	34
1	57
1	39
	28
	37
	38
	32
	37
	49
	53
	18
1	26
	21
	49
	19
	27
	35
	23
	19



CONSOLIDATED
Oil Well Services, LLC

268533

TICKET NUMBER 47287

LOCATION Ottawa, KS

FOREMAN Fred 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
5-29-14	3898	Alma # 8	SE 20	16	21	FR

CUSTOMER
A & L Energy Oper LLC

MAILING ADDRESS
575 Madison Ave 2nd Fl

CITY
New York

STATE
NY

ZIP CODE
10022

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Fred Mad		
495	Kai Car		
675	Kai Det		
545	Mat Lac - Milk Fox		

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 712 CASING SIZE & WEIGHT 2 7/8 EUE

CASING DEPTH 702 DRILL PIPE _____ TUBING _____ OTHER _____

SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 2 1/2" Plug

DISPLACEMENT 4.08 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 58 BPM

REMARKS: Hold crew safety meeting. Establish pump rate. Mix Pump 100# Gel Flush. Mix & Pump 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 600# PSI. Release pressure to set float valve. Shut in casing.

Evans Energy Dev. Inc. - Travis

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		
5406	15 mi	MILEAGE	495	1085 ⁰⁰
5402	702	Casing footage	495	63 ⁰⁰
5407	Minimum	Ten Miles	548	NK
5502C	1 1/2 hr	80 BBL Vac Truck	875	368 ⁰⁰
				150 ⁰⁰
1124	100 SKS	50/50 Por Mix Cement	1150 ⁰⁰	
1118B	265 #	Premium Gel	58 ⁹⁶	
		Material	1208 ⁹⁶	
		Less 30%	-362 ⁶⁹	
		Total		846 ²⁷
4402	1	2 1/2" Rubber Plug		29 ⁵⁰
			2999.21	
			7.600	
			SALES TAX	68 ⁰⁰
			ESTIMATED	
			TOTAL	2608 ⁷⁷

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 for