



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 #1-3

API #15-059-26,695

June 2 - June 3, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
5	soil & clay	5
7	lime	12
7	shale	19
24	lime	43
23	shale	66
22	lime	88
87	shale	175
20	lime	195
28	shale	223
5	lime	228
28	shale	256
12	lime	268
22	shale	290
20	lime	310
7	shale	317
24	lime	341
4	shale	345
11	lime	356 base of the Kansas City
150	shale	506
5	lime	511
48	shale	559
8	lime	567
11	shale	578
6	lime	584
1	shale	585
1	coal	586
23	shale	609
5	lime	614 good bleeding
10	shale	624
4	broken oil sand	628 brown & green 10% bleeding
12.5	oil sand	640.5 brown 10% bleeding
1	limey sand	641.5
9.5	oil sand	651 brown 40% bleeding
2	oil sand	653 black, no bleeding
5	oil sand	658 black 80% bleeding
26	shale	684 TD

Alma # 1-3

Page 2

Drilled a 9 7/8" hole to 22.4'

Drilled a 5 5/8" hole to 684'

Set 22.4' of 7" surface casing cemented with 5 sacks of cement.

Set 674' of 2 7/8" 8 round upset 3 centralizers, 1 float shoe, 1 clamp.

Core Sample	
<u>Minutes</u>	<u>Second</u>
625	22
626	23
627	25
628	25
629	17
630	21
631	20
632	21
633	23
634	23
635	22
636	23
637	24
638	28
639	21
640	24
641	2
642	5
643	26
644	25
645	24
646	27
647	27
648	27
649	28
650	25
651	26
652	29
653	29
654	28
655	33
656	35
657	35
658	42
659	46
660	45
661	45
662	35
663	36
664	45



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

TICKET NUMBER 47326

LOCATION Ottawa KS

FOREMAN Fred Madu

**FIELD TICKET & TREATMENT REPORT
CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-3-14	3898	Alma # I-3	SE 20	16	21	FR

CUSTOMER
A & L Energy Operations LLC

MAILING ADDRESS
575 Madison Ave

CITY
New York

STATE
NY

ZIP CODE
10022

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Fro Mad		
495	Harber		
369	Mikhaa		
510	Ki Car		

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH ~~200~~ 684 CASING SIZE & WEIGHT 2 7/8 EUE

CASING DEPTH DRILL PIPE TUBING OTHER

SLURRY WEIGHT 674 SLURRY VOL WATER gal/sk CEMENT LEFT in CASING 2 1/2" Plug

DISPLACEMENT 3.9213 DISPLACEMENT PSI MIX PSI RATE 5 BPM

REMARKS: Hold crew safety meeting. Establish pump rate. Mix & Pump 100# Gels Flush. Mix & Pump 90 SKS 50/50 Por Mix Cement 2% Gel Cement to Surface. Flush pumps & 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 Dev. Inc. Travis Fred Madu

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	674	Casing footage		N/C
5407	Minimum	Ton Miles	510	368 ⁰⁰
5502C	1 1/2 hr	80 BBL Vac Truck	369	150 ⁰⁰
1124	90 SKS	50/50 Por Mix Cement	1035 ⁰⁰	
1118B	252 [#]	Premium Gel Material	5644	
		less 30%	1090 ⁴⁴	
		Total	327 ¹³	
4402	1	2 1/2" Rubber Plug		763 ³¹
				29 ⁵⁰
			2871.62	
		7.65%	SALES TAX	60 ⁶⁵
			ESTIMATED TOTAL	2519 ⁴⁶

Flavin 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 fo