



**Oil & Gas Well Drilling
Water Wells
Geo-Loop Installation**

11 Lewis Drive Paola, KS 66071

**Phone: 913-557-9083
Fax: 913-557-9084**

WELL LOG

A & L Energy Operations, LLC
Alma #11
API #15-059-26,673
May 23 - May 27, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
5	soil & clay	5
11	lime	16
7	shale	23
6	lime	29
4	shale	33
20	lime	53
28	shale	81
21	lime	102
88	shale	190
20	lime	210
26	shale	236
7	lime	243
30	shale	273
15	lime	288
13	shale	301
26	lime	327
11	shale	338
20	lime	358
3	shale	361 oil show
12	lime	373
147	shale	520
8	lime	528
40	shale	568
1	coal	569
6	shale	575
7	lime	582
13	shale	595
3	lime	598
10	shale	608
3	lime	611
14	shale	625
5	lime	630 good bleeding
8	shale	638
1	oil sand	639 brown 100% bleeding
1.5	limey sand	640.5
3.5	broken sand	644 brown & green 80% bleeding
4	oil sand	648 brown 80% bleeding
20.5	broken sand	668.5 brown & green 90% bleeding
46.5	shale	715 TD

Alma #11

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Drilled a 9 7/8" hole to 22.6'

Drilled a 5 5/8" hole to 715'

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

Set 705' of 2 7/8" 8 round upset 3 centralizers, 1 float shoe, 1 clamp.

Core Times	
<u>Minutes</u>	<u>Seconds</u>
639	28
640	47
641	35
642	34
643	40
644	35
645	38
646	23
647	23
648	21
649	22
650	21
651	25
652	25
653	24
654	23
655	25
656	26
657	27
658	22
659	28
660	31
661	31
662	30
663	28
664	25
665	27
666	27
667	28
668	31
669	34
670	28
671	39
672	31
673	33
674	32
675	49
676	48
677	38



CONSOLIDATED
Oil Well Services, LLC

268489

TICKET NUMBER 47205

LOCATION Ottawa, KS

FOREMAN Casper Kennedy

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
5/27/14	3898	Alma # 11	SE 20	16	21	FR
CUSTOMER <u>ATL Energy</u>						
MAILING ADDRESS <u>575 Madison Ave</u>						
CITY <u>New York</u>		STATE <u>NY</u>	ZIP CODE <u>10022</u>			

TRUCK #	DRIVER	TRUCK #	DRIVER
729	Carlen	✓	Safety Meeting
666	Garmon	✓	
558	Matloc	✓	
370	JasRic	✓	

JOB TYPE log string HOLE SIZE 5 5/8" HOLE DEPTH 715' CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 705' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT In CASING _____
 DISPLACEMENT 4.08 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 200# Premium Gel followed by 10 bbls fresh water, mixed & pumped 99 sks 5% Pozmix cement w/ 2% gel per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to casing TD w/ 4.08 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

[Handwritten signature]

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00
5406	15 mi	MILEAGE		63.00
5402	705'	casing footage		
5407	minimum	for mileage		368.00
5502C	2 hrs	80 Vac		200.00
1124	99 sks	5% Pozmix cement	1138.50	
118B	366 #	Premium Gel	80.52	
		materials	1219.02	
		-30%	365.71	
		subtotal		853.31
4402	1	2 1/2" rubber plug		29.50
			3060.04	
		7.65%	SALES TAX	67.54
			ESTIMATED TOTAL	2666.35

Ravin 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.