

Miami County, KS  
Well: Stahl A-14  
Lease Owner: Altavista Energy

Town Oilfield Service, Inc.  
(913) 837-8400

Commenced Spudding:  
6-18-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 11	Soil - Clay	11
34	Shale	45
25	Lime	70
15	Shale	85
10	Lime	95
10	Shale	105
3	Lime	108
21	Shale	129
5	Lime	134
35	Shale	169
11	Lime	180
15	Shale	195
25	Lime	220
7	Shale	227
20	Lime	247
4	Shale	251
2	Lime	253
2	Shale	255
11	Lime	266
11	Shale	277
3	Sand	280
17	Shale	297
12	Sand	309
11	Sand	320
148	Shale	468
4	Lime	472
3	Shale	475
6	Lime	481
6	Shale	487
7	Lime	494
19	Shale	513
4	Lime	517
9	Shale	526
6	Lime	532
9	Shale	541
5	Lime	546
69	Shale	615
9	Core	624
2	Sand	626
1	Broken Sand	627





# Short Cuts

## TANK CAPACITY

BBLs. (42 gal.) equals  $D^2 \times .14 \times h$

D equals diameter in feet.

h equals height in feet.

## BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals  $BPH \times PSI \times .0004$

BPH - barrels per hour

PSI - pounds square inch

## TO FIGURE PUMP DRIVES

\* D - Diameter of Pump Sheave

\* d - Diameter of Engine Sheave

SPM - Strokes per minute

RPM - Engine Speed

R - Gear Box Ratio

\*C - Shaft Center Distance

D -  $RPM \times d$  over  $SPM \times R$

d -  $SPM \times R \times D$  over RPM

SPM -  $RPM \times D$  over  $R \times d$

R -  $RPM \times D$  over  $SPM \times d$

BELT LENGTH -  $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

\* Need these to figure belt length

TO FIGURE AMPS:  $\frac{WATTS}{VOLTS} = AMPS$

746 WATTS equal 1 HP

# Log Book

Well No. A-14

Farm Stahl

KS Miami  
(State) (County)

17 16 24  
(Section) (Township) (Range)

For Altavista Energy Inc  
(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400



Thickness of Strata	Formation	Total Depth	Remarks
0-11	soil-clay	11	
34	shale	45	
25	lime	70	
15	shale	85	
10	lime	95	
10	shale	105	
3	lime	108	
21	shale	129	
5	lime	134	
35	shale	169	
11	lime	180	
15	shale	195	
25	lime	220	
7	shale	227	
20	lime	247	
4	shale	251	
2	lime	253	
2	shale	255	
11	lime	266	
11	shale	277	Hertha
3	sand	280	slight show
17	shale	297	
12	sand	309	slight show
11	sand	320	no oil
148	shale	468	
4	lime	472	
3	shale	475	









REMIT TO  
 Consolidated Oil Well Services, LLC  
 Dept:970  
 P.O.Box 4346  
 Houston, TX 77210-4346

MAIN OFFICE  
 P.O.Box884  
 Chanute,KS 66720  
 620/431-9210,1-800/467-8676  
 Fax 620/431-0012

Invoice Invoice# 804671

Invoice Date: 06/28/15 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC  
 4595 K-33 HWY, PO BOX 128  
 WELLSVILLE KS 66092  
 USA  
 7858834057

STAHL # A-14

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	46.000	810.00
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	7.1500	46.000	115.83
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	46.000	356.40
WE0853	80 BBL Vacuum Truck (Cement Services)	1.500	100.0000	46.000	81.00
CC5840	Poz-Blend I A (50:50)	84.000	13.5000	46.000	612.36
CC5965	Bentonite	241.000	0.3000	46.000	39.04
CC6077	Kolseal	420.000	0.5000	46.000	113.40
CC5326	Sodium Chloride, Salt	155.000	0.7500	46.000	62.78
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	46.000	24.30

Subtotal 4,102.05  
 Discounted Amount 1,886.94  
 SubTotal After Discount 2,215.11

Amount Due 4,222.73 If paid after 07/28/15

Tax: 65.17  
 Total: 2,280.28



**CONSOLIDATED**  
Oil Well Services, LLC

Invoice # **84671**

*3262*  
*3184*

TICKET NUMBER 51047  
LOCATION Ottawa KS  
FOREMAN Fred Mader

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
6-19-15	3244	Stahl # A-14	SE 17	16	22	M1
CUSTOMER <u>Altavista Energy</u>			TRUCK #			
MAILING ADDRESS <u>P.O. Box 128</u>			DRIVER			
CITY <u>Wellsville</u>			TRUCK #			
STATE <u>KS</u>			DRIVER			
ZIP CODE <u>66092</u>			TRUCK #			
			DRIVER			

JOB TYPE Longstring HOLE SIZE 5 7/8 HOLE DEPTH 700' CASING SIZE & WEIGHT 2 1/8 EUE  
CASING DEPTH 681' DRILL PIPE Baffle in Tubing @ 650 OTHER \_\_\_\_\_  
SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT In CASING 31' + Plug  
DISPLACEMENT 3.8 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 43 BBL/min

REMARKS: Hold Safety meeting. Establish pump rate. Mix Pump  
100# Gel Flush Mix Pump sks For Blend IA 2% Gel  
5% Salt 5# Kol Seal/sk. Cement to surface. Flush pump  
lines clean. Displace 2 1/2" Rubber plug to baffle in casing.  
Pressure to 800# PSI. Release pressure to set float  
Value. Shut in casing.

TOS Drilling - Wesley

Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	495	1500.00
CE0002	30mi	MILEAGE	495	21450.00
CE0711	Minimum	Ten Miles Delivery	558	660.00
WE0853	1 1/2 hr	80 BBL Vac Truck	675	1500.00
		Sub Total		25245.00
		Less 46%		11612.70
				13632.30
CC5840	84sk	Poz Blend IA Cement	1134.00	
CC5965	241#	Bentonite Gel	7230	
CC6077	420#	Kolseal	210.00	
CC5326	155#	Sodium Chloride	116.35	
CP8174	1	2 1/8" Rubber Plug	45.00	
		Sub Total		15775.35
		Less 46%		-725.57
				8519.78
		7.65%	SALES TAX	65.17
			ESTIMATED	
			TOTAL	2280.28

Revin 3737

AUTHORIZATION Byron Miller TITLE \_\_\_\_\_ DATE 4222.73

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.