

Miami County, KS  
 Well: Windler-Stephens A-6  
 Lease Owner: AltaVista

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

Commenced Spudding:  
 11/24/2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0-12	Soil-Clay	12
8	Lime	20
13	Shale	33
33	Lime	66
7	Shale	73
23	Lime	96
4	Shale	100
3	Lime	103
3	Shale	106
7	Lime	113
22	Shale	135
16	Sand	151
19	Sandy Shale	170
103	Shale	273
17	Sand	290
34	Shale	324
6	Lime	330
6	Shale	336
5	Lime	341
8	Shale	349
7	Lime	356
4	Sand	360
12	Shale	372
3	Lime	375
13	Shale	388
26	Lime	414
8	Shale	422
1	Lime	423
61	Shale	484
2	Sandy Shale	486
11	Core	497
3	Sandy Shale	500
50	Shale	550
4	Sand	554
6	Shale	560-TD

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<b>Core</b>		
		486
3	Sandy Shale	489
3	Sand	492
1	Sand	493
1	Sand	494
3	Sandy Shale	497

# 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 x PSI x .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-6

Farm Windler-Stephens

KS  
(State)

Miami  
(County)

21  
(Section)

18  
(Township)

24  
(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
0-12	soil-clay	12	
8	Lime	20	
13	Shale	33	
33	Lime	66	
7	Shale	73	
23	Lime	96	
4	Shale	100	
3	Lime	103	
3	Shale	106	
7	Lime	113	Hertha
22	Shale	135	
16	sand	151	broken - good oil show
19	sandy shale	170	
103	Shale	273	
17	sand	290	no Oil
34	Shale	324	
6	Lime	330	
6	Shale	336	
5	Lime	341	
8	Shale	349	
7	Lime	356	
4	sand	360	no Oil
12	Shale	372	
3	Lime	375	
13	shale	388	
26	Lime	414	
8	Shale	422	









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# 806496

Invoice Date: 11/30/15 Terms: Net 30 Page 1

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

windler stephens #a-6

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)	1.000	100.0000	46.000	54.00
CC5840	Poz-Blend I A (50:50)	72.000	13.5000	46.000	524.88
CC5965	Bentonite	221.000	0.3000	46.000	35.80
CC5326	Sodium Chloride, Salt	139.000	0.7500	46.000	56.30
CC6077	Kolseal	360.000	0.5000	46.000	97.20
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	46.000	24.30

Subtotal 3,842.05  
 Discounted Amount 1,767.34  
 SubTotal After Discount 2,074.71

Amount Due 3,951.45 If paid after 12/30/15

Tax: 59.08  
 Total: 2,133.79





**CONSOLIDATED**  
Oil Well Services, LLC

*4895*  
*4803*  
**Invoice # 806496**

TICKET NUMBER 49911  
LOCATION Ottawa KS  
FOREMAN Fred Madu

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
11-25-15	3244	Windler-Stephens # A-6	NW 21	L 8	24	MI
CUSTOMER <u>Alta Vista Energy</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS <u>P.O. Box 125</u>			712	Frc Mad		
CITY <u>Wellsville</u>			495	Nar Bee		
STATE <u>KS</u>	ZIP CODE <u>66092</u>		675	Kel Det		
			510	Mikhea		

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 560 CASING SIZE & WEIGHT 2 7/8 EUE  
 CASING DEPTH 548 DRILL PIPE Baffle in TUBING 2 5/8 OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 30' x Plug  
 DISPLACEMENT 3 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 BPM

REMARKS: Hold safety meeting. Establish circulation. Mix & Pump 100# Gel  
Flush. Mix & Pump 72 sks Poe Blend IA 2% Gel 5% Salt 5"  
Kal Seal /sk. Cement to surface. Flush pump & lines clean.  
Displace 2 1/2" Rubber plug to Baffle in casing. Pressure to  
600# PSI. Release pressure to set float valve.

TOS Drilling. Wes Dollard

Fred Madu

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE 0450	1	PUMP CHARGE	495	1500.00
CE 0002	30 mi	MILEAGE	495	21450.00
CE 0711	Minimum	Ton Miles Delivery	510	660.00
WE 0853	1 hr	80 BBL Vac Truck	675	100.00
		Sub Total		24745.00
		Less 46%		-11382.7
				13362.3
726 CC 5840	72 sks	Poe Blend IA Cement	972.00	
CC 5965	22#	Bentonite Gel	66.30	
CC 5326	139#	Salt	104.25	
CC 6077	360#	Kal Seal	180.00	
CP 8176	1	2 1/2" Rubber Plug	45.00	
		Sub Total		1367.55
		Less 46%		-629.07
				738.48
			870	SALES TAX
				59.08
				ESTIMATED TOTAL
				2183.27

Ravin 3737

AUTHORIZATION No Co. Rep on Site TITLE \_\_\_\_\_ DATE (3951.45)

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