



Miami County, KS  
Well: Windler-Stephens A-4  
Lease Owner: AltaVista

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

Commenced Spudding:  
11/23/2015

Core		
		486
1.5	Sandy Shale	487.5
7	Sand	494.5
1.5	Sand	496
3	Sandy Shale	499

# 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-4

Farm Windler - Stephens

KS Miami  
(State) (County)

21 18 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
0-16	soil-clay	16	
9	Lime	25	
13	Shale	38	
32	Lime	70	
7	Shale	77	
22	Lime	99	
4	Shale	103	
2	Lime	105	
3	Shale	108	
7	Lime	115	Heather
22	Shale	137	
21	Sand	158	broken oil - OK show
116	Shale	274	
16	Sand	290	no Oil
34	Shale	324	
6	Lime	330	
6	Shale	336	
6	Lime	342	
7	Shale	349	
8	Lime	357	
4	Sand	361	no Oil
11	Shale	372	
4	Lime	376	
14	Shale	390	
25	Lime	415	
18	Shale	433	
4	Lime	437	







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# 806494

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-4

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)	71.000	13.5000	46.000	517.59
CC5965	Bentonite	219.000	0.3000	46.000	35.48
CC5326	Sodium Chloride, Salt	137.000	0.7500	46.000	55.49
CC6077	Kolseal	355.000	0.5000	46.000	95.85
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	46.000	24.30

Subtotal 3,823.95  
 Discounted Amount 1,759.02  
 SubTotal After Discount 2,064.93

Amount Due 3,931.91 If paid after 12/30/15

Tax: 58.30  
 Total: 2,123.24





**CONSOLIDATED**  
Oil Well Services, LLC

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

4893 / 4801  
**Invoice # 806494**

TICKET NUMBER 49910  
LOCATION Ottawa KS  
FOREMAN Fred Maden

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-24-15	3244	Winkler-Stephens # A-4	NW 21	18	24	M1
CUSTOMER			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS			712 / Fred Maden			
CITY			475 / Har Ber			
STATE			675 / Kai Det			
ZIP CODE			510 / Mike Waga			
Wellsville						
KS						
66092						

JOB TYPE Longstring HOLE SIZE 5 7/8 HOLE DEPTH 560 CASING SIZE & WEIGHT 2 7/8 EVE  
 CASING DEPTH 541.25 DRILL PIPE Baffle in TUBING @ 514-70 OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT In CASING \_\_\_\_\_  
 DISPLACEMENT 3 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 BPM

REMARKS: Hold Safety Meeting. Establish circulation. Mix Pump 100# Gel Flush. Mix Pump 71 SKS Por Blend I A Cement 2% Gel 5% Salt 5# Kol Seal /sk. Cement to surface. Flush pump + lines clean. Displace 2 1/2" Rubber plug to Baffle in Tubing. Pressure to 800# PSI. Release pressure to set float valve.

TOS Drilling - wes

Fred Maden

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	510	660.00
WE0853	1hr	80 BBL Vac Trucks	675	100.00
		Sub Total		24745.00
		Less - 46%		-11382.27
				13362.73
1124 CC5840	71 SKS	Por Blend I A Cement	958.50	68053.50
CC5965	219#	Baytanite Gel	65.70	14478.30
CC5326	137#	Salt	102.75	14078.25
CC6077	355#	Kol Seal	177.50	63012.50
CP8176	1	2 1/2" Rubber Plug	45.00	45.00
		Sub Total		134945.00
		Less 46%		-62075.00
				72870.00
		8%	SALES TAX	5830.00
			ESTIMATED TOTAL	21280.00

Ravin 3737

AUTHORIZATION No Co. Rep on Site TITLE \_\_\_\_\_ DATE 1/30/31.91

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