

Miami County, KS
 Well: Windler-Stephens A-8
 Lease Owner: AltaVista

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

Commenced Spudding:
 11/13/2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0-10	Soil-Clay	10
7	Lime	17
13	Shale	30
33	Lime	63
8	Shale	71
23	Lime	94
4	Shale	98
2	Lime	100
4	Shale	104
6	Lime	110
22	Shale	132
10	Sand	142
131	Shale	273
17	Sand	290
31	Shale	321
6	Lime	327
6	Shale	333
4	Lime	337
8	Shale	345
7	Lime	352
4	Sand	356
12	Shale	368
4	Lime	372
13	Shale	385
26	Lime	411
18	Shale	429
5	Lime	434
41	Shale	475
11	Sandy Shale	486
1	Sand	487
10	Core	497
18	Sandy Shale	515
21	Shale	536
1	Lime	537
9	Shale	546
5	Sand	551
9	Shale	560-TD

Short Cuts

TANK CAPACITY

BBLs. (42 gal.) equals $D^2 \times 1.4 \times h$

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-8

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
0-10	Soil - clay	10	
7	Lime	17	
13	Shale	30	
33	Lime	63	
8	Shale	71	
23	Lime	94	shells
4	Shale	98	
2	Lime	100	
4	Shale	104	
6	Lime	110	Hertha
22	Shale	132	
10	Sand	142	good oil show
131	Shale	273	
17	Sand	290	no Oil
31	Shale	321	
6	Lime	327	
6	Shale	333	
4	Lime	337	
8	Shale	345	
7	Lime	352	
4	Sand	356	no Oil
12	Shale	368	
4	Lime	372	
13	Shale	385	
26	Lime	411	
18	Shale	429	
5	Lime	434	



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# 806446

Invoice Date: 11/25/15 Terms: Net 30 Page 1

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

windler-stephens # a-8

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)	75.000	13.5000	46.000	546.75
CC5965	Bentonite	226.000	0.3000	46.000	36.61
CC5326	Sodium Chloride, Salt	145.000	0.7500	46.000	58.73
CC6077	Kolseal	375.000	0.5000	46.000	101.25
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	46.000	24.30

Subtotal 3,946.05
 Discounted Amount 1,815.18
 SubTotal After Discount 2,130.87

Amount Due 4,059.77 If paid after 12/25/15

Tax: 61.41
 Total: 2,192.28



CONSOLIDATED
Oil Well Services, LLC

4848 / 4757

Invoice # 86446

TICKET NUMBER 49909

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
11-23-15	3244	Wadler-Stephens #A-8	NW21	18	24	M1
CUSTOMER			TRUCK #			
Alta Vista Energy			712	Frc Mad		
MAILING ADDRESS			495	Har Bec		
P.O. 128			675	Mike Det		
CITY	STATE	ZIP CODE	516	Mikhaa		
Wellsville	KS	66092				

JOB TYPE Longstring HOLE SIZE 5 7/8 HOLE DEPTH 560 CASING SIZE & WEIGHT 2 7/8 EUE
 CASING DEPTH 540.10 DRILL PIPE Baffle in TUBING @ 513.20 OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 27' + Plug
 DISPLACEMENT 2.98 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 BPM

REMARKS: Hold safety meeting. Establish pump rate. Mix + Pump 100% Gal
 Flush. Mix + Pump 75 Gal Por Blend I A Cement 220 Gal 5% Salt
 5# Hal 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 valve. Shut in casing.

T&S Drilling - (Wes)

Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	495	1500.00
CE0002	30 mi	MILEAGE	495	21450.00
CE0711	Minimum	Ton Miles Delivery	570	660.00
WE0853	1 1/2 hr	80 BBL Vac Truck	675	1500.00
		Sub Total		25245.00
		Less 46%		-11612.70
				13632.30
7048 CE5840	75 SKS	Por Blend I A Cement		10125.00
CC5965	226 #	Bentonite Gel		6750.00
CC5326	145 #	Salt		10875.00
CC6077	375 #	Hal Seal		18750.00
CP8176	1	2 1/2" Rubber Plug		4500.00
		Sub Total		142150.00
		Less 46%		-65391.00
				76759.00
			8%	SALES TAX 6141.00
				ESTIMATED TOTAL 219200.00

RAVIN 3737 AUTHORIZATION No Co Rep on Site TITLE _____ DATE (4059.77)

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