

Miami County, KS
Well: Windler-Stephens A-5
Lease Owner: AltaVista

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

Commenced Spudding:
12/9/2015

Core		
		485
1	Sand	486
3	Sand	489
4	Sand	493
6	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 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-5

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
0-14	soil - clay	14	
5	Lime	19	
15	shale	34	
33	Lime	67	
8	shale	75	
21	Lime	96	
4	shale	100	
2	Lime	102	
5	shale	107	
6	Lime	113	Hatha
20	shale	133	
14	sand	147	
23	sandy shale	170	broken - good oil show
104	shale	274	
18	sand	292	water
31	shale	323	
5	Lime	328	
10	shale	338	
2	Lime	340	
7	shale	347	
8	Lime	355	
15	shale	370	
4	Lime	374	
12	shale	386	
27	Lime	413	
16	shale	429	
3	Lime	432	



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# 806623

Invoice Date: 12/15/15 Terms: Net 30 Page 1

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

windler stephens a-5

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	1.000	0.0000	0.000	0.00
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)	73.000	13.5000	46.000	532.17
CC5965	Bentonite	223.000	0.3000	46.000	36.13
CC5326	Sodium Chloride, Salt	141.000	0.7500	46.000	57.11
CC6077	Kolseal	365.000	0.5000	46.000	98.55
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	46.000	24.30
Subtotal					3,645.65
Discounted Amount					1,677.00
SubTotal After Discount					1,968.65

Amount Due 3,756.50 If paid after 01/14/16

Tax: 59.86
 Total: 2,028.52



CONSOLIDATED
Oil Well Services, LLC

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

4483
4584

Invoice # 806623

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 49917
LOCATION Ottawa KS
FOREMAN Fred Maden

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-10-15	3244	Windler Stephens A-5	NW 21	18	24	MI
CUSTOMER Alta Vista Energy						
MAILING ADDRESS P.O. Box 128						
CITY Wellsville		STATE KS	ZIP CODE 66092			
TRUCK #	DRIVER	TRUCK #	DRIVER			
712	Frc Mad					
495	Har Bec					
675	Mil Det					
510	Mil Haa					

JOB TYPE logstring HOLE SIZE 5 7/8 HOLE DEPTH 560 CASING SIZE & WEIGHT 2 7/8 EUE
CASING DEPTH 542' DRILL PIPE Baffle in TUBING @ 510' OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 32' x Plug
DISPLACEMENT 2.96 BA DISPLACEMENT PSI _____ MIX PSI _____ RATE 48 PM

REMARKS: Hold Safety muting. Establish circulation. Mix Pump 100'
Gal Flush. Mix Pump 73 sks Poz Blend IA Cement 223 gal
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' PSL. Release pressure to set
Float Valve. Shut in Casing.

TOS - Was

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	475	1500.00
CE0602		MILEAGE		N/C
CE0711	1.0 Mile	Tom Miles Delivery	510	660.00
WE0853	1 hr	60 BBL Vac Truck	675	100.00
		Sub Total		2260.00
		less 46%		-1039.60
				1220.40
CC5540	73 sks	Poz Blend IA Cement	985.50	
CC5765	223#	Bentonite Gel	66.90	
CC5326	141#	Salt	108.75	
CC6077	365#	Kol Seal	182.80	
CP8176	1	2 1/2" Rubber plug	45.00	
		Sub Total		1385.65
		less 46%		-637.40
				748.25
			8%	SALES TAX
				ESTIMATED
				TOTAL

Ravin 8737

AUTHORIZATION Bijan Maden TITLE _____ DATE (3756.50)

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.