

ALT ☐ I ☐ II ☐ III Approved by: _____ Date: _____

Form	ACO1 - Well Completion
Operator	Altavista Energy, Inc.
Well Name	WINDLER AI-44
Doc ID	1403711

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	9.875	7	17	20	Portland	3	NA
Production	5.625	2.875	6.5	565	50/50 Poz	75	See Ticket

Commenced Spudding:
12/22/17

[illegible]

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. AI-44

Farm Winkler

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

County

State; Well No.

910

12-22 2017

1-5 120 18

Wesley Dollar

Kyan Ward

Time _____

me _____

me _____

TOS

21 18 24

(Township)

(Range)

S line, 5115 ft.

E line, 515 ft.

4 h, 2

57. back

2 7/8

CASING AND TUBING RECORD

10" Pulled _____

8" Pulled _____

6 1/4" Pulled _____

4" Pulled _____

2" Pulled _____

CASING AND TUBING MEASUREMENTS

[illegible]

Thickness of Strata	Formation	Total Depth	Remarks
0-7	Soil-clay	7	
2	Lime	9	
13	Shale	22	
33	Lime	55	
9	Shale	64	
18	Lime	82	
4	Shale	86	
3	Lime	89	
3	Shale	92	
6	Lime	98	Hertha
21	Shale	119	
6	Sand	125	limey - no oil
10	Sand	135	broken - good Oil Show
15	sandy shale	150	
11	Shale	261	
10	limey sand	271	white - no oil
38	Shale	309	
5	Lime	314	
19	Shale	333	
11	Lime	344	
12	Shale	356	
3	Lime	359	
13	Shale	372	
26	Lime	398	
75	Shale	473	
2	sand & shale	475	broken - oil
4	Shale	479	

[illegible]



REMIT TO

QES Pressure Pumping 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# 812195

Invoice Date: 01/10/18

Terms: Net 30

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ALTAVISTA ENERGY INC
PO BOX 128
WELLSVILLE KS 66092
USA
7858834057

Windler AI-44

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	45.000	825.00
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	7.1500	45.000	117.98
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	45.000	363.00
WE0853	80 BBL Vacuum Truck (Cement Services)	2.000	100.0000	45.000	110.00
CC5840	Poz-Blend I A (50:50)	75.000	13.5000	45.000	556.88
CC5965	Bentonite	252.000	0.3000	45.000	41.58
CC5326	Sodium Chloride, Salt	158.000	1.0000	45.000	86.90
CC6077	Kolseal	375.000	0.5000	45.000	103.13
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	45.000	24.75
CC6128	Mud Flush - C	0.500	50.0000	45.000	13.75
Subtotal					4,078.10
Discounted Amount					1,835.15
SubTotal After Discount					2,242.95
Amount Due 4,198.39 If paid after 02/09/18					
Tax:					66.15
Total:					2,309.12



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

FIELD TICKET & TREATMENT REPORT CEMENT

TICKET NUMBER 53926
LOCATION Ottawa, KS
FOREMAN Cason, Kennedy

Invoice # 812195

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1/8/18	3244	Windler AI-44	NW 21	18	24	MI
CUSTOMER <u>Altavista Energy</u>						
MAILING ADDRESS <u>PO Box 128</u>						
CITY <u>Wellsville</u>	STATE <u>KS</u>	ZIP CODE <u>66092</u>				
			TRUCK #	DRIVER	TRUCK #	DRIVER
			729	Casper	✓	Safety meeting
			467	Keiser	✓	
			558	Har Bee	✓	
			675	Kei Det	✓	

JOB TYPE long string HOLE SIZE 5 5/8" HOLE DEPTH 580' CASING SIZE & WEIGHT 2 3/8" EUE
CASING DEPTH 565' DRILL PIPE TUBING - baffle - 533' OTHER
SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT in CASING
DISPLACEMENT 3.09 bbls DISPLACEMENT PSI MIX PSI RATE 4 bpm

REMARKS: held safety meeting, established circulation, mixed + pumped 1/2 gal Polymer, circulated to condition hole, mixed + pumped 100 # gel followed by 5 bbls fresh water, mixed + pumped 75 sls Portland IA cement w/ 2% gel, 5% salt, + 5# Kalsdal per sk, cement to surface, flushed pump down, pumped 2 1/2" rubber plug to baffle w/ 3.09 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	30 mi	MILEAGE	214.50	
CE0711	min	Ion mileage	600.00	
WE0853	2 hrs	80 Vac	200.00	
		trucks	2574.50	
		- 45%	1158.53	
		Subtotal		1416.97
CC5840	75 sls	Portland IA cement	1012.50	
CE5965	252 #	Gel	75.00	
CC5326	158 #	Salt	158.00	
CC6077	375 #	Kalsdal	187.50	
CP0176	1	2 1/2" rubber plug	45.00	
CC6128	1/2 gal	Polymer	25.00	
		materials	1503.60	
		- 45%	676.62	
		Subtotal		826.98
		8%		
		SALES TAX	66.15	
		ESTIMATED TOTAL		2309.12

Ravin 3737

AUTHORIZATION Bryan Kelly TITLE DATE (4/198.39)

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.