

Miami County, KS  
 Well: Barkis AI-11  
 Lease Owner: Altavista Energy

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

Commenced Spudding:  
 4-17-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 13	Soil - Clay	13
13	Shale	26
14	Lime	40
69	Shale	109
20	Lime	129
13	Shale	142
10	Lime	152
32	Shale	184
4	Lime	188
39	Shale	227
10	Lime	237
16	Shale	253
25	Lime	278
6	Shale	284
21	Lime	305
4	Shale	309
3	Lime	312
3	Shale	315
10	Lime	325
37	Shale	362
6	Sand	368
12	Sand	380
20	Sandy Shale	400
135	Shale	535
7	Lime	542
19	Shale	561
4	Lime	565
8	Shale	573
3	Lime	576
9	Shale	585
5	Lime	590
69	Shale	659
19	Core	678
7	Sandy Shale	685
95	Shale	780 TD



# 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-11

Farm Barkis

KS Miami  
(State) (County)

17 16 24  
(Section) (Township) (Range)

For Alfa 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
0-13	soil-clay	13	
13	shale	26	
14	Lime	40	
69	shale	109	
20	Lime	129	
13	shale	142	
10	Lime	152	
32	shale	184	
4	Lime	188	
39	shale	227	
10	Lime	237	
16	shale	253	
25	Lime	278	
6	shale	284	
21	Lime	305	
4	shale	309	
3	Lime	312	
3	shale	315	
10	Lime	325	Hertha
37	shale	362	
6	sand	368	good show
12	sand	380	no oil
20	sandy shale	400	
135	shale	535	
7	Lime	542	
19	shale	561	
4	Lime	565	







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# 804054

Invoice Date: 04/24/15 Terms: Net 30 Page 1

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

BARKIS #AI-11

Part No	Description	Quantity	Unit Price	Discount(%)	Total
5401	Cement Pumper	1.000	1,085.0000	30.000	759.50
5406	Mileage Charge	30.000	4.2000	30.000	88.20
5402	Casing Footage	755.000	0.0000	0.000	0.00
5407	Min. Bulk Delivery Charge	1.000	368.0000	30.000	257.60
5502C	80 Vacuum Truck Cement	2.000	100.0000	30.000	140.00
1124	Poz Cement Mix	105.000	11.5000	30.000	845.25
1118B	Premium Gel / Bentonite	276.000	0.2200	30.000	42.50
1111	Sodium Chloride (Granulated Salt)	221.000	0.3900	30.000	60.33
1110A	Kol Seal (50# BAG)	525.000	0.4600	30.000	169.05
1401	HE 100 Polymer	0.500	47.2500	30.000	16.54
4402	2 1/2 Rubber Plug	1.000	29.5000	30.000	20.65

Subtotal 3,428.04  
 Discounted Amount 1,028.41  
 SubTotal After Discount 2,399.63

Amount Due 3,554.19 If paid after 05/24/15

Tax: 88.30  
 Total: 2,487.92





**CONSOLIDATED**  
Oil Well Services, LLC

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

2715  
4646  
**INVOICE # 804054**

**FIELD TICKET & TREATMENT REPORT  
CEMENT**

TICKET NUMBER 50945  
LOCATION Ottawa, KS  
FOREMAN Casey Kennedy

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4/21/15	3244	Barkis # A1-11	NE 17	16	24	M1
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Altavista Energy			729	Castan	✓	Safety Meeting
MAILING ADDRESS			467	Ken Car	✓	
PO Box 128			804	Harbec	✓	
CITY			369	Mikhaa	✓	
STATE						
ZIP CODE						
Wellsville						
KS						
66092						

JOB TYPE longstring HOLE SIZE 5 5/8" HOLE DEPTH 780' CASING SIZE & WEIGHT 2 7/8" EUE  
 CASING DEPTH 755' DRILL PIPE \_\_\_\_\_ TUBING baffle=723' OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 32'  
 DISPLACEMENT 4.18 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4.6 gpm

REMARKS: held safety meeting, established circulation, mixed & pumped 1/2 gal Polymer, circulated to condition hole, mixed & pumped 100 # Gel, mixed & pumped 105 bbls 50/50 Pozmix cement w/ 2% gel, 5% salt, + 5 # Kolseal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 4.18 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

*AKG*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1085.00	
5406	30 mi	MILEAGE	126.00	
5402	755'	casing footage		
5407	mi	ton mileage	368.00	
5502C	2 hrs	80 Vac	200.00	
		trucks	1779.00	
		-30%	533.70	
		Subtotal		1245.30
1124	105 bbls	50/50 Pozmix cement	1207.50	
1118B	276 #	Gel	60.72	
1111	221 #	Salt	86.19	
1110A	525 #	Kolseal	241.50	
1401	1/2 gal	0.66 Polymer	23.63	
4402	1	2 1/2" rubber plug	29.50	
		materials	1649.04	
		-30%	494.71	
		Subtotal		1154.33
		7.65%	SALES TAX	88.30
			ESTIMATED TOTAL	2487.94
				3534.19

**completed**

Flavin 3737  
 AUTHORIZATION Bryan Mills TITLE \_\_\_\_\_ DATE 4/21/15

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.