

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

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

Commenced Spudding:
4-16-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 4	Soil - Clay	4
3	Lime	7
23	Shale	30
14	Lime	44
69	Shale	113
20	Lime	133
13	Shale	146
9	Lime	155
4	Shale	159
12	Sandy Shale	171
17	Shale	188
4	Lime	192
39	Shale	231
11	Lime	242
15	Shale	257
25	Lime	282
8	Shale	290
19	Lime	309
4	Shale	312
2	Lime	314
7	Shale	321
8	Lime	329
18	Shale	347
5	Sandy Shale	352
16	Shale	368
5	Sand	373
27	Sandy Shale	400
132	Shale	532
11	Lime	543
17	Shale	560
5	Lime	565
7	Shale	572
4	Lime	576
5	Shale	581
1	Lime	582
2	Shale	584
7	Lime	591
19	Shale	610
2	Lime	612
51	Shale	663

Lease Owner: Altavista Energy

(913) 837-8400

4-16-2015

[illegible]

Core

[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 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-11

Farm Barkis

KS Miami
(State) (County)

17 16 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
0-4	soil-clay	4	
3	Lime	7	
23	Shale	30	
14	Lime	44	
69	Shale	113	
20	Lime	133	
13	Shale	146	
9	Lime	155	
4	Shale	159	
12	sandy shale	171	
17	Shale	188	red bed
4	Lime	192	
39	Shale	231	
11	Lime	242	
15	Shale	257	
25	Lime	282	
8	Shale	290	
19	Lime	309	
4	Shale	312	
2	Lime	314	
7	Shale	321	
8	Lime	329	Hertha
18	Shale	347	
5	sandy shale	352	
16	Shale	368	
5	sand	373	heavy oil
27	sandy shale	400	



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# 804039

Invoice Date: 04/21/15 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC

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

BARKIS # A-11

Part No	Description	Quantity	Unit Price	Discount(%)	Total
5405N	P & A New Wells	1.000	1,085.0000	30.000	759.50
5406	Mileage Charge	30.000	4.2000	30.000	88.20
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	62.000	11.5000	30.000	499.10
1118B	Premium Gel / Bentonite	312.000	0.2200	30.000	48.05

Subtotal 2,560.64

Discounted Amount 768.19

SubTotal After Discount 1,792.45

Amount Due 2,620.44 If paid after 05/21/15

Tax: 41.86

Total: 1,834.31



INVOICE # 804039 *2703/2633* TICKET
FIELD TICKET & TREATMENT REPORT LOC
CEMENT FOR

TICKET NUMBER 50924
LOCATION Offault
FOREMAN Alan Maden

DATE	CUSTOMER #	WELL NAME & NUMBER		SECTION	TOWNSHIP	RANGE	COUNTY
4-17-15	3244	Banks # A-11		NW 17	16	22	MI
CUSTOMER							
Altavista Energy							
MAILING ADDRESS							
P.O. Box 128							
CITY		STATE	ZIP CODE				
Wellsville		KS	66092				

JOB TYPE <u>Plugging</u>	HOLE SIZE <u>5 1/8</u>	HOLE DEPTH <u>693</u>	CASING SIZE & WEIGHT _____
CASING DEPTH _____	DRILL PIPE _____	TUBING <u>1" 675</u>	OTHER _____
SLURRY WEIGHT _____	SLURRY VOL _____	WATER gal/sk _____	CEMENT LEFT, in CASING <u>#693</u> <u>yes</u>
DISPLACEMENT _____	DISPLACEMENT PSI _____	MIX PSI _____	RATE <u>16 gal/min</u>

REMARKS: Held Meeting. Washed 1" to 675'. Mixed & pumped 10 sk. 50/50 cement plus 6% gel to fill 50' of hole. Pulled 1" to 350'. Mixed & pumped another 10 sk. Pulled to 250' & filled to surface. Pulled 1" out & topped off hole.

625K 50/50 cement, 6% gel total

42 Alan, Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N ✓	1	PUMP CHARGE	368 1085 ⁰⁰	
5406 ✓	30	MILEAGE	368 126 ⁰⁰	
5407 ✓	m/a	ten miles	510 368 ⁰⁰	
5502L ✓	2	RD work	370 900 ⁰⁰	
		equipment less 30%	1779 ⁰⁰ 533.70	1245.30
1124 ✓	62	50/50 cement	713 ⁰⁰	
1118B ✓	312	grl	68.64	
		material less 30%	781.64 - 234.49	547.15
			Sales Tax	W1.86-

Ravin 3737

AUTHORIZATION Bryan W. [Signature] TITLE

SALES TAX	41.86
ESTIMATED TOTAL	1834.31
DATE	1262044

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.