

Miami County, KS
 Well: Barkis A-12
 Lease Owner: Altavista Energy

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

Commenced Spudding:
 4-13-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 8	Soil - Clay	8
13	Shale	21
10	Sand	31
14	Lime	45
70	Shale	115
19	Lime	134
13	Shale	147
10	Lime	157
3	Shale	160
10	Sandy Shale	170
19	Shale	189
3	Lime	192
40	Shale	232
10	Lime	242
16	Shale	258
25	Lime	283
5	Shale	288
22	Lime	310
3	Shale	313
3	Lime	316
2	Shale	318
11	Lime	329
37	Shale	366
3	Sand	369
2	Sandy Lime	371
6	Sand	377
35	Sandy Shale	412
51	Shale	463
6	Sand	469
60	Shale	529
4	Lime	533
5	Shale	538
5	Lime	543
21	Shale	564
4	Lime	568
9	Shale	577
5	Lime	582
6	Shale	588
4	Lime	592
74	Shale	666

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-12

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

Barkis Farm: Miami County
KS State; Well No. A-12

Elevation 1066

Commenced Spuding 4-13 15²⁰

Finished Drilling 4-14 15²⁰

Driller's Name Wesley Dollard

Driller's Name _____

Driller's Name _____

Tool Dresser's Name Ryan Ward

Tool Dresser's Name _____

Tool Dresser's Name _____

Contractor's Name TOS

17 16 24

(Section) (Township) (Range)
 Distance from S line, 4455 ft.

Distance from E line, 4785 ft.

4 sacks 2 7/8 casing
1 coil
10 hrs
5 5/8 bore hole

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____
 8" Set _____ 8" Pulled _____
 7 1/2" Set 23 6 1/4" Pulled _____
 4" Set _____ 4" Pulled _____
 2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
667.	55	Seat nipple			
699.	05	Baffle			
730.	35	Float		2 7/8	
760	TD				

Thickness of Strata	Formation	Total Depth	Remarks
0-8	soil-clay	8	
13	shale	21	
10	sand	31	redbed
14	Lime	45	no oil
70	Shale	115	
19	Lime	134	
13	Shale	147	
10	Lime	157	
3	shale	160	
10	sandy shale	170	
19	Shale	189	redbed
3	Lime	192	
40	Shale	232	
10	Lime	242	
16	Shale	258	
25	Lime	283	
5	Shale	288	
22	Lime	310	
3	Shale	313	
3	Lime	316	
2	Shale	318	
11	Lime	329	Hertha
37	Shale	366	
3	sand	369	broken - heavy oil
2	sandy Lime	371	no oil
6	sand	377	broken - heavy oil
35	sandy shale	412	

412

Thickness of Strata	Formation	Total Depth	Remarks
51	shale	463	
6	sand	469	no oil
60	shale	529	
4	Lime	533	
5	shale	538	
5	Lime	543	
21	shale	564	
4	Lime	568	
9	shale	577	
5	Lime	582	
6	shale	588	
4	Lime	592	
74	shale	666	
20	core	686	page 6
24	sandy shale	710	
50	shale	760	TD



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# 804014

Invoice Date: 04/17/15 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC
4595 K-33 HWY, PO BOX 128
WELLSVILLE KS 66092
USA
7858834057
barkis #a-12

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	730.000	0.0000	0.000	0.00
5407A	Ton Mileage 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	95.000	11.5000	30.000	764.75
1118B	Premium Gel / Bentonite	260.000	0.2200	30.000	40.04
1111	Sodium Chloride (Granulated Salt)	192.000	0.3900	30.000	52.42
1110A	Kol Seal (50# BAG)	475.000	0.4600	30.000	152.95
4402	2 1/2 Rubber Plug	1.000	29.5000	30.000	20.65
	Subtotal				3,251.58
	Discounted Amount				975.47
	SubTotal After Discount				2,276.11
	Amount Due 3,364.23 If paid after 05/17/15				

Tax: 78.85
Total: 2,354.96



CONSOLIDATED
Oil Well Services, LLC

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

2681
Invoice# 804014 2611

TICKET NUMBER 50937
LOCATION Ottawa KS
FOREMAN Fred Maden

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-14-15	3244	Barkis # A-12	NW 17	16	22	MI
CUSTOMER			TRUCK # DRIVER TRUCK # DRIVER			
Mailing Address						
CITY						
STATE						
ZIP CODE						
Altavista Energy			712 / Fred Mad /			
P.O. Box 128			495 / Har Bee /			
Wellsville			675 / Kei Det /			
KS			548 / Gar Moo /			
66092						

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 760' CASING SIZE & WEIGHT 2 7/8 EUE
 CASING DEPTH 730' DRILL PIPE Baffle in TUBING @ 700' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 30' x Plug
 DISPLACEMENT 4.07 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 4.8 PM

REMARKS: Hold Safety meeting, Establish pump rate. Mix + Pump 100# Gal
Flush. Mix + Pump 8 SKS 50/50 Poz Mix Cement 270 Gal 3% Salt
5# Kal 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.

TDS Drilling.

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 /	1	PUMP CHARGE	495	1065.00 /
5406 /	30 mi	MILEAGE	495	126.00 /
5402 /	730'	Casing footage	NK	
5402A /	Minimum	Ton Miles	548	368.00 /
5502C /	2hrs	80 BBL Vac Truck	675	200.00 /
		Sub Total		1779.00
		Less 30%		-533.70
				1245.30
1124 /	95 SKS	50/50 Poz Mix Cement	1092.50	1092.50 /
1118A /	260#	Premium Gal	57.20	57.20 /
1111 /	192#	Granulated Salt	74.88	74.88 /
1110A /	475#	Kal Seal	218.50	218.50 /
		Material	1443.08	
		Less 30%	-432.92	
		Total		1010.16
41402 /	1	2 1/2" Rubber Plug	29.50	20.65 /
			17.6570	
		SALES TAX		78.85
		ESTIMATED TOTAL		2254.96

AVIN 3737
 AUTHORIZATION Bryan Mills TITLE _____ DATE 3/31/23

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.