

Miami County, KS
Well: Barkis AI-40
Lease Owner: Altavista Energy

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

Commenced Spudding:
5-7-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0-2	Soil - Clay	2
8	Lime	10
15	Shale	25
5	Lime	30
4	Shale	34
1	Lime	35
44	Shale	79
5	Lime	84
15	Shale	99
34	Lime	133
17	Shale	150
13	Lime	163
27	Shale	190
5	Lime	195
39	Shale	234
10	Lime	245
15	Shale	260
24	Lime	284
7	Shale	291
20	Lime	311
4	Shale	315
3	Lime	318
5	Shale	323
9	Lime	330
13	Shale	345
2	Sand	347
18	Sandy Shale	365
23	Sand	388
140	Shale	528
12	Lime	540
7	Shale	547
6	Lime	553
20	Shale	573
4	Lime	577
9	Shale	586
3	Lime	589
8	Shale	597
10	Lime	607
69	Shale	676
2	Dark Shale	678

Short Cuts

TANK CAPACITY

BBLs. (42 gal.) equals $D^2 \times 1.4 \times h$

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-40

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
0-2	soil-clay	2	
8	Lime	10	
15	Shale	25	
5	Lime	30	
4	Shale	34	
1	Lime	35	
44	Shale	79	
5	Lime	84	
15	Shale	99	
34	Lime	133	
17	Shale	150	
13	Lime	163	
27	Shale	190	bed bed
5	Lime	195	
39	Shale	234	
10	Lime	245	
15	Shale	260	
24	Lime	284	Waterres +
7	Shale	291	
20	Lime	311	Bethany Falls
4	Shale	315	
3	Lime	318	VC
5	Shale	323	
9	Lime	332	Hertha
13	Shale	345	
2	Sand	347	
18	Sandy shale	365	Slight Bleed, Broken

Thickness of Strata	Formation	Total Depth	Remarks
679	3 feet Laminated	Oil	Sand, 70% Saturated
680			
681			
682	Solid Sand, 6 Feet		Brown, not much bleed
683			
684			
685			
686			
687	Solid Sand, Saturated, bleeding	Per f	
688			
689			
690			
691	Sandy Shale		Dead oil
692			
693			
694	Sandy Shale	682	
695			
696			
697			
698	Sand	688	Brown, little bleed
3	Sand	694	oil, Saturated
6			
4	Sandy Shale	698	Dead oil



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# 804224

Invoice Date: 05/19/15 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC
 4595 K-33 HWY, PO BOX 128 BARKIS # AI-40
 WELLSVILLE KS 66092
 USA
 7858834057

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,085.0000	30.000	759.50
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	4.2000	30.000	88.20
CE0461	Cement Pump Charge Below 12000'	764.000	0.0000	0.000	0.00
CE0711	Minimum Cement Delivery Charge	1.000	368.0000	30.000	257.60
WE0853	80 BBL Vacuum Truck (Cement Services)	2.000	100.0000	30.000	140.00
CC5840	Poz-Blend I A (50:50)	97.000	11.5000	30.000	780.85
CC5965	Bentonite	263.000	0.2200	30.000	40.50
CC5326	Sodium Chloride, Salt	195.000	0.3900	30.000	53.24
CP8176	2 7/8" Top Rubber Plug	1.000	29.5000	30.000	20.65
1401	HE 100 Polymer	0.500	47.2500	30.000	16.54
CC6077	Kolseal	485.000	0.4600	30.000	156.17

Subtotal 3,304.64
 Discounted Amount 991.39
 SubTotal After Discount 2,313.25
 Amount Due 3,398.46 If paid after 06/18/15

Tax: 65.68
 Total: 2,378.93



CONSOLIDATED
Oil Well Services, LLC

INVOICE # 804224 ²⁸⁵¹ ₂₇₇₂

TICKET NUMBER 50993
LOCATION Ottawa KS
FOREMAN Fred Madu

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-8-15	3244	Barkis # A7-40	NW 17	16	24	CF

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
ALTAVISTA Energy MAILING ADDRESS P.O. Box 128 CITY Wellsville STATE KS ZIP CODE 66092	712	Fred Madu		
	467	Rei Car		
	369	Mik Haa		
	558	Art McD		

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 780 CASING SIZE & WEIGHT 2 7/8 EUE
 CASING DEPTH 764 DRILL PIPE Baffle in TUBING 732 OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 31' + Plug
 DISPLACEMENT 4.25 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 5BPM

REMARKS: Hold safety meeting. Establish pump rate. Pump 1/2 Gal NE 100 Polymer. Circulate to condition hole. Mix + Pump 100' Gal Flush. Mix + Pump 97 sks 50/50 Poz Mix Cement + 2% Gal 5% Salt 5" Kol Seal /sk. Cement to surface. Flush pump lines clean. Displace 2 1/2" Rubber plug to Baffle. Pressure to 800 PSI. Release pressure to set float valve. Shut in casing.

TAS Drilling - Jeff Town

Fred Madu

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	CE0450 1	PUMP CHARGE	467	1085.00
5406	CE0012 30	MILEAGE	467	126.00
5402	CE0461 264'	Casing foot/ago		N/C
5407	CE0711 1	Ton Miles	558	368.00
5502c	NE0853 2 hrs	80 BBL Vac Truck		200.00
		Sub Total		1779.00
		Less 30%		-533.70
				1245.30
1124	CC5840 97 sks	50/50 Poz Mix Cement		1115.00
1118B	CC5965 263#	Premium Gel		57.86
7111	CC53195#	Granulated Salt		76.05
1110A	CC16079 1185#	Kol Seal		223.10
4402	CP8176 1	2 1/2" Rubber Plug		29.50
1401	1/2 Gal	NE 100 Polymer		23.63
		Material		1525.14
		Less 30%		-457.54
				1067.60
		7.65%	SALES TAX	85.68
			ESTIMATED TOTAL	2378.93

Ravin 3737

AUTHORIZATION Bryan Mills TITLE _____ DATE 5/8/15

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.