

Miami County, KS  
 Well: Roy Beets AI-51  
 Lease Owner: AltaVista

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

Commenced Spudding:  
 2/26/16

WELL LOG

Thickness of Strata	Formation	Total Depth
0-6	Soil-Clay	6
15	Lime	21
11	Sand	32
80	Shale	112
20	Lime	132
10	Shale	142
4	Lime	146
6	Shale	152
10	Lime	162
41	Shale	203
15	Lime	218
10	Shale	228
28	Lime	256
9	Shale	265
19	Lime	284
5	Shale	289
4	Lime	293
2	Shale	295
5	Lime	300
140	Shale	440
11	Sand	451
9	Shale	460
15	Lime	475
5	Shale	480
10	Sandy Shale	490
30	Shale	520
6	Lime	526
14	Shale	540
3	Lime	543
16	Shale	559
5	Lime	564
21	Shale	585
4	Lime	589
2	Shale	591
6	Lime	597
4	Shale	601
1	Limey Sand	602
4	Sand	606
11	Sand	617
2	Sandy Shale	619



# 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-51

Farm Roy Beets

KS  
(State)

Miami  
(County)

12      18      21  
(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
0-6	Soil-clay	6	
15	Lime	21	
11	sand	32	no Oil
80	Shale	112	
20	Lime	132	
10	Shale	142	
4	Lime	146	
6	Shale	152	
10	Lime	162	
41	Shale	203	
15	Lime	218	
10	Shale	228	
28	Lime	256	
9	Shale	265	
19	Lime	284	
5	Shale	289	
4	Lime	293	
2	Shale	295	
5	Lime	300	Hertha
140	Shale	440	
11	sand	451	no Oil
9	Shale	460	
15	Lime	475	
5	Shale	480	
10	sandy shale	490	
30	Shale	520	
6	Lime	526	





**CONSOLIDATED**  
Oil Well Services, LLC

REMIT TO  
Consolidated Oil Well Services, LLC  
Dept:970  
P.O.Box 4346  
Houston, TX 77210-4346

MAIN OFFICE

P.O.Box 884  
Chanute, KS 66720  
620/431-9210, 1-800/467-8676  
Fax 620/431-0012

Invoice

Invoice#

807145

Invoice Date: 02/29/16

Terms: Net 30

Page 1

ALTAVISTA ENERGY INC

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

roy beets #ai-51

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	64.000	540.00
CE0002	Equipment Mileage Charge - Heavy Equipment	20.000	7.1500	64.000	51.48
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	64.000	237.60
WE0853	80 BBL Vacuum Truck (Cement Services)	1.500	100.0000	64.000	54.00
CC5840	Poz-Blend I A (50:50)	90.000	13.5000	64.000	437.40
CC5965	Bentonite	251.000	0.3000	64.000	27.11
CC5326	Sodium Chloride, Salt	174.000	0.7500	64.000	46.98
CC6077	Kolseal	450.000	0.5000	64.000	81.00
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	64.000	16.20
CC6128	Mud Flush - C	0.500	50.0000	64.000	9.00

Subtotal 4,168.80

Discounted Amount 2,668.03

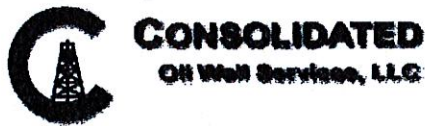
SubTotal After Discount 1,500.77

Amount Due 4,306.06 If paid after 03/30/16

Tax: 49.42

Total: 1,550.19





5416  
5319

TICKET NUMBER 49992  
LOCATION Ottawa KS  
FOREMAN Fred Madir

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

FIELD TICKET & TREATMENT REPORT  
CEMENT

Invoice # 807145

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-29-16	3244	Roy Beck # AI - 51	NE 12	18	21	MI
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Alta Vista Energy			712	Fred Madir		
MAILING ADDRESS			495	Harbec		
P.O. Box 128			675	Lei Det		
CITY	STATE	ZIP CODE	510	Mik Haa		
Wellsville	Ks	66092				

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 720' CASING SIZE & WEIGHT 2 7/8 Euf  
CASING DEPTH 720' DRILL PIPE Baffle in TUBING @ 679' OTHER \_\_\_\_\_  
SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 32' Plug  
DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 48 PM

REMARKS: Hold Safety meeting, Establish pump rate. Pump 1/2 Gal Mud flush "C" Circulate well to condition hole. Mix & Pump 100# Gel flush. Mix & Pump 90 SKS per Blend IA Cement 2% Gel 5% Salt 5# Kal Seal/sk Cement to surface. Flush pump & lines clean. Displace 2 1/2" Rubber plug in casing w/ Baffle. Pressure to 400# PSI. Release pressure to set float valve.

TOS Drilling. Wes. Fred Madir

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	495	1500.00
CE0002	20 mi	MILEAGE	495	143.00
CE0711	Minimum	Ten miles Delivery	510	660.00
WE0K53	1 1/2	80 BBL Vac Truck	675	150.00
		Sub Total		2453.00
		less 64%		-1569.92
				883.08
CC5840	90 SKS	Por Blend IA Cement	12.15	1093.50
CC5965	291#	Bentonite Gel	7.50	2179.50
CC5326	174#	Salt	1.30	226.20
CC6077	450#	Kal Seal	2.25	1012.50
CP8176	1	2 1/2" Rubber Plug	45.00	45.00
CC6128	1/2 Gal	Mud Flush "C"	25.00	12.50
		Sub Total		1715.00
		less 64%		-1098.11
				616.89
		SALES TAX		49.00
		ESTIMATED TOTAL		1550.19

Ravin 3737

AUTHORIZATION No Co Rep on Site TITLE \_\_\_\_\_ DATE 4306.00

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.