

Miami County, KS  
 Well: Roy Beets AI-54  
 Lease Owner: ALtaVista

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

Commenced Spudding:  
 3/1/16

WELL LOG

Thickness of Strata	Formation	Total Depth
0-7	Soil-Clay	7
16	Lime	23
13	Sand	36
81	Shale	117
19	Lime	136
10	Shale	146
3	Lime	149
8	Shale	157
7	Lime	164
42	Shale	206
15	Lime	221
9	Shale	230
29	Lime	259
10	Shale	269
19	Lime	288
4	Shale	292
3	Lime	295
3	Shale	298
6	Lime	304
140	Shale	444
12	Shale & Lime	456
6	Sand	462
13	Lime	475
2	Shale	477
1	Lime	478
7	Shale	485
5	Sand	490
35	Shale	525
7	Lime	532
12	Shale	544
3	Lime	547
16	Shale	563
7	Lime	570
20	Shale	590
1	Lime	591
4	Shale	595
6	Lime	601
3	Shale	604
1	Sand	605
4	Sand	609



# 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 -  $\frac{RPM \times d}{SPM \times R}$  over SPMxR

d -  $\frac{SPM \times R \times D}{RPM}$  over RPM

SPM -  $\frac{RPM \times D}{R \times d}$  over RxD

R -  $\frac{RPM \times D}{SPM \times d}$  over SPMxD

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-54

Farm Roy Beets

KS Miami  
 (State) (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
0-7	soil-clay	7	
16	Lime	23	
13	sand	36	no Oil
81	Shale	117	
19	Lime	136	
10	Shale	146	
3	Lime	149	
8	Shale	157	
7	Lime	164	
42	Shale	206	
15	Lime	221	
9	Shale	230	
29	Lime	259	
10	Shale	269	
19	Lime	288	
4	Shale	292	
3	Lime	295	
3	Shale	298	
6	Lime	304	Harder
140	Shale	444	
12	shale & Lime	456	
6	sand	462	slight show
13	Lime	475	
2	Shale	477	
1	Lime	478	
7	Shale	485	
5	sand	490	no 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#

807205

Invoice Date: 03/07/16

Terms: Net 30

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

ROY BEETS #AI-54

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)	95.000	13.5000	64.000	461.70
CC5965	Bentonite	260.000	0.3000	64.000	28.08
CC5326	Sodium Chloride, Salt	200.000	0.7500	64.000	54.00
CC6077	Kolseal	475.000	0.5000	64.000	85.50
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 4,271.00

Discounted Amount 2,733.44

SubTotal After Discount 1,537.56

Amount Due 4,416.44 If paid after 04/06/16

Tax: 52.36

Total: 1,589.92





**CONSOLIDATED**  
Oil Well Services, LLC

5426  
5331

Invoice #807205

TICKET NUMBER 49946

LOCATION Ottawa, KS

FOREMAN Carey Kennedy

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
3/3/16	3244	Ray Beets # AI-54	NW 12	18	21	MI
CUSTOMER <u>Altavista Energy</u>			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS <u>PO Box 128</u>			<u>729 / Cas Ken / Safety Meeting</u>			
CITY <u>Wellsville</u>			<u>800 366 / Art McD /</u>			
STATE <u>KS</u>			<u>510 / Kei Det /</u>			
ZIP CODE <u>66092</u>			<u>309 / Mikha /</u>			

JOB TYPE long string HOLE SIZE 5 7/8" HOLE DEPTH 720' CASING SIZE & WEIGHT 2 7/8"  
 CASING DEPTH 712' DRILL PIPE \_\_\_\_\_ TUBING baffle - 1680' OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 32'  
 DISPLACEMENT 394 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 1/2 gal Mud Flush-C, circulated well for 1 hr to condition hole, mixed & pumped 100# gel followed by 5 bbls fresh water, mixed & pumped 95 sks Pozblend IA cement w/ 2% gel, 5% salt, & 5# Kalsol per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug 1/2 baffle w/ 3.94 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

*[Handwritten signature]*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	20 mi	MILEAGE	143.00	
CE0711	min	ten mileage	660.00	
WE0853	1.5 hrs	80 Vac	150.00	
		trucks	2453.60	
		- 64%	1569.92	
		Subtotal		883.08
1942-CC5840	95 sks	Pozblend IA	1282.50	
CC5065	260 #	Gel	78.00	
CC5320	200 #	Salt	150.00	
CC6077	475 #	Kalsol	237.50	
CP8176	1	2 1/2" rubber plug	45.00	
CC6128	1/2 gal	Mud Flush-C	25.00	
		materials	1818.00	
		- 64%	1163.52	
		Subtotal		654.48
		8%	SALES TAX	52.36
			ESTIMATED TOTAL	1589.92
			DATE	(4/16/16)

Revin 3737

AUTHORIZATION No Cop Rep. on location TITLE \_\_\_\_\_ DATE \_\_\_\_\_

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