

Miami County, KS  
 Well: Roy Beets AI-59  
 Lease Owner: AltaVista

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

Commenced Spudding:  
 3/23/16

WELL LOG

Thickness of Strata	Formation	Total Depth
0-12	Soil-Clay	12
12	Shale	24
20	Lime	44
8	Shale	52
4	Sand	56
83	Shale	139
21	Lime	160
8	Shale	168
2	Lime	170
5	Shale	175
10	Lime	185
42	Shale	227
16	Lime	243
9	Shale	252
29	Lime	281
8	Shale	289
21	Lime	310
6	Shale	316
3	Lime	319
4	Shale	323
5	Lime	328
140	Shale	468
6	Sand	474
21	Shale	495
10	Lime	505
4	Shale	509
4	Lime	513
38	Shale	551
8	Lime	559
11	Shale	570
4	Lime	574
14	Shale	588
8	Lime	596
20	Shale	616
2	Lime	618
5	Shale	623
7	Lime	630
5	Shale	635
3	Sand	638
1	Sand	639



# 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-59

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

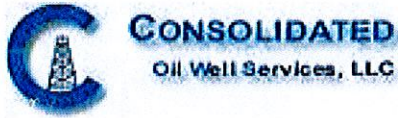
Louisburg, KS 66053

913-710-5400



Thickness of Strata	Formation	Total Depth	Remarks
0-12	soil-clay	12	
12	shale	24	
20	lime	44	
8	shale	52	
4	sand	56	no c. 1
83	shale	139	
21	lime	160	
8	shale	168	
2	lime	170	
5	shale	175	
10	lime	185	
42	shale	227	
16	lime	243	
9	shale	252	
29	lime	281	
8	shale	289	
21	lime	310	
6	shale	316	
3	lime	319	
4	shale	323	
5	lime	328	Heather
140	shale	468	
6	sand	474	
21	shale	495	
10	lime	505	
4	shale	509	
4	lime	513	





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#

807322

Invoice Date: 03/28/16

Terms: Net 30

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ALTAVISTA ENERGY INC

PO BOX 128  
 WELLSVILLE KS 66092  
 USA  
 7858834057

ROY BEETS #AI-59

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	62.000	570.00
CE0002	Equipment Mileage Charge - Heavy Equipment	20.000	7.1500	62.000	54.34
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	62.000	250.80
WE0853	80 BBL Vacuum Truck (Cement Services)	1.500	100.0000	62.000	57.00
CC5840	Poz-Blend I A (50:50)	90.000	13.5000	62.000	461.70
CC5965	Bentonite	251.000	0.3000	62.000	28.61
CC5326	Sodium Chloride, Salt	174.000	0.7500	62.000	49.59
CC6077	Kolseal	450.000	0.5000	62.000	85.50
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	62.000	17.10
CC6128	Mud Flush - C	0.500	50.0000	62.000	9.50

Subtotal 4,168.80

Discounted Amount 2,584.66

SubTotal After Discount 1,584.14

Amount Due 4,306.06 If paid after 04/27/16

Tax: 52.16

Total: 1,636.30





5544  
5450

TICKET NUMBER 50016  
 LOCATION Oxtawa KS  
 FOREMAN Fred Madir

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

FIELD TICKET & TREATMENT REPORT  
 CEMENT

Invoice # 807322

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-25-16	3244	Ray Beets # A1-59	NE 12	18	21	M1
CUSTOMER			TRUCK#			
Alta Vista Energy Inc			712	Fred Madir		
MAILING ADDRESS			467	KilCar		
P.O. Box 128			675	KilDet		
CITY	STATE	ZIP CODE	510	Avi McD		
Wellsville	KS	66692				

JOB TYPE Longstring HOLE SIZE 5 7/8 HOLE DEPTH 740' CASING SIZE & WEIGHT 2 7/8 EUE  
 CASING DEPTH 716' DRILL PIPE Baffle tubing @ 684 OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 32' x Pig  
 DISPLACEMENT 4 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 1 BPM

REMARKS: Hold safety mixing. Establish pump rate. Pump 1/2 Gal Mud  
 Flush "C" Circulators to condition hole. Mix & Pump 100#  
 Gel Flush. Mix Pump 5ks Poz Blend IA Cement 290 gal  
 5% Salt 5# Kol 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.

TOS Drilling - Wes

Fred Madir

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	467 1500.00	
CE0002	20 mi	MILEAGE	467 143.00	
CE0711	Minimum	Ten Miles Delivery	510 660.00	
WE0853	1/2	80 BBL Vac Truck	675 150.00	
		Sub Total	2453.00	
		Less 62%	-1520.84	932.14
CC5840	90 sks	A Blend IA Cement	1215.00	
CC5965	251#	Barite Gel	75.30	
CC5326	174#	Salt	130.50	
CC6077	4150#	Kol Seal	225.00	
CP8176	1	2 1/2" Rubber Plug	45.00	
CC6128	1/2 Gal	Mud Flush "C"	25.00	
		Sub Total	1715.80	
		Less 62%	-1063.80	652.00
		8%	SALES TAX	52.16
			ESTIMATED TOTAL	1636.30

Ravin 3737

AUTHORIZATION Waco Rep on site TITLE \_\_\_\_\_ DATE 4/30/16

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 for