

Miami County, KS
 Well: Roy Beets AI-57
 Lease Owner: AltaVista

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

Commenced Spudding:
 3/21/16

WELL LOG

Thickness of Strata	Formation	Total Depth
0-15	Soil-Clay	15
2	Lime	17
12	Shale	29
4	Sand	33
80	Shale	113
20	Lime	133
8	Shale	141
3	Lime	144
8	Shale	152
7	Lime	159
42	Shale	201
16	Lime	217
9	Shale	226
29	Lime	255
8	Shale	263
22	Lime	285
4	Shale	289
3	Lime	292
3	Shale	295
6	Lime	301
142	Shale	443
7	Sand	450
19	Shale	469
10	Lime	479
5	Shale	484
7	Lime	491
31	Shale	522
8	Lime	530
12	Shale	542
3	Lime	545
15	Shale	560
8	Lime	568
19	Shale	587
3	Lime	590
5	Shale	595
6	Lime	601
3	Shale	604
1	Sand	605
2	Sandy Lime	607
1	Sand	608

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-57

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

Roy Beets Farm: Miami County

KS State: Well No. AI-57

Elevation 985

Commenced Spuding 3-21 20 1/6

Finished Drilling 3-22 20 1/6

Driller's Name Wesley Dillard

Driller's Name _____

Driller's Name _____

Tool Dresser's Name Ryan Wood

Tool Dresser's Name _____

Tool Dresser's Name _____

Contractor's Name TOS

12 18 21

(Section) (Township) (Range)

Distance from S line, 4880 ft.

Distance from E line, 1435 ft.

3 sacks

9 hrs

5 7/8 borehole

2 7/8 casing

CASING AND TUBING

RECORD

10" Set _____ 10" Pulled _____

8" Set _____ 8" Pulled _____

7 1/2" Set 20 6 1/4" Pulled _____

4" Set _____ 4" Pulled _____

2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
651.	4	<u>Ball</u>			
663.	9	<u>Float</u>			
700	TIP				<u>2 7/8</u>

Thickness of Strata	Formation	Total Depth	Remarks
0-15	soil-clay	15	
2	Lime	17	
12	Shale	29	
4	Sand	33	no Oil
80	Shale	113	
20	Lime	133	
8	Shale	141	
3	Lime	144	
8	Shale	152	
7	Lime	159	
42	Shale	201	
16	Lime	217	
9	Shale	226	
29	Lime	255	
8	Shale	263	
22	Lime	285	
4	Shale	289	
3	Lime	292	
3	Shale	295	
6	Lime	301	Hartha
142	Shale	443	
7	Sand	450	no Oil
19	Shale	469	
10	Lime	479	
5	Shale	484	
7	Lime	491	
31	Shale	522	

522

Thickness of Strata	Formation	Total Depth	Remarks
8	Lime	530	
12	Shale	542	
3	Lime	545	
15	Shale	560	
8	Lime	568	
14	Shale	587	
3	Lime	590	
5	Shale	595	
6	Lime	601	octor
3	Shale	604	
1	sand	605	No Oil
2	Sandy lime	607	no oil
1	sand	608	Solid
1	sand	609	broken
3	sand	612	solid
1	sand	613	broken
9	sand	622	mostly solid - good saturation
22	Sandy shale	644	
56	Shale	700	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#

807311

Invoice Date: 03/24/16

Terms: Net 30

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ALTAVISTA ENERGY INC
 PO BOX 128
 WELLSVILLE KS 66092
 USA
 7858834057

ROY BEETS #A157

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 04/23/16

Tax: 49.42

Total: 1,550.19



CONSOLIDATED
Oil Well Services, LLC

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

5532
5437
Invoice # 87311

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 50013
LOCATION Ottawa KS
FOREMAN Fred Madu

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-22-16	3244	Roy Beds # A1 57	NE 12	15	21	M1

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
Alta Vista Energy Inc. Mailing Address P.O. Box 128 City: Wellsville, KS 66092	712	Fred Madu		
	495	Harber		
	675	Ki Det		
	510	Ala Mad		

JOB TYPE long string HOLE SIZE 5 7/8" HOLE DEPTH 700 CASING SIZE & WEIGHT 2 7/8 EUE
CASING DEPTH 692' DRILL PIPE Baffle m TUBING @ 651 OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
DISPLACEMENT 3.78 bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE 413 PM

REMARKS: Hold Safety meeting. Establish pump rate. Pump 1/2 Gal Mud Flush "C" polymer. Circulate well to condition hole. Mix + Pump 100# Bentonite Gel Flush. Mix + Pump 90 sks Por Blend IA Cement - 2% Gel 5% Salt 5# Kol Seal/sk. Cement to surface. Flush pump + inner clean. Displace 2 1/2" Rubber plug to Baffle m casing. Pressure to 800# PSI. Release pressure to set float valve. Shut in casing.

TOS Drilling - Wes

Fred Madu

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE 0450	1	PUMP CHARGE	495	1500.00
CE 0002	20 mi	MILEAGE	495	143.00
CE 0711	Minimum	Ten Miles Delivery	510	660.00
WE 8853	1 1/2 hr	80 BBL Vac Truck	675	150.00
		Sub Total		2453.00
		Less 64%		-1569.72
				883.28
CC 5840	90 SKS	Por Blend IA Cement		1215.00
CC 5965	251 #	Bentonite Gel		75.30
CC 5326	174 #	Salt		130.50
CC 6077	450 #	Kol Seal		225.00
CP 6174	1	2 1/2" Rubber Plug		45.00
CC 6128	1/2 Gal	Mud Flush "C"		25.00
		Sub Total		1715.80
		Less 64%		-1098.41
				617.39
			8%	SALES TAX
				ESTIMATED TOTAL

Ravin 3737

AUTHORIZATION No Co. Rep on site TITLE _____ DATE 4/20/16

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 form.