

Miami County, KS  
 Well: Roy Beets AI-63  
 Lease Owner: AltaVista

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

Commenced Spudding:  
 3/25/16

WELL LOG

Thickness of Strata	Formation	Total Depth
0-9	Soil-Clay	9
3	Shale	12
2	Lime	14
4	Shale	18
4	Sand	22
6	Shale	28
22	Lime	50
5	Shale	55
5	Sand	60
81	Shale	141
20	Lime	161
9	Shale	170
2	Lime	172
7	Shale	179
8	Lime	187
42	Shale	229
16	Lime	245
9	Shale	254
29	Lime	283
8	Shale	291
22	Lime	313
5	Shale	318
3	Lime	321
3	Shale	324
5	Lime	329
141	Shale	470
3	Sand	473
20	Shale	493
7	Lime	500
3	Shale	503
2	Lime	505
2	Shale	507
12	Sand	519
33	Shale	552
6	Lime	558
13	Shale	571
2	Lime	573
18	Shale	591
12	Lime	603
17	Shale	620



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

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

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

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

BELT LENGTH -  $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

\* Need these to figure belt length

TO FIGURE AMPS:  $\frac{\text{WATTS}}{\text{VOLTS}} = \text{AMPS}$

746 WATTS equal 1 HP

# Log Book

Well No. AI-63

Farm Roy Brcks

KS Miami  
(State) (County)

12 18 21  
(Section) (Township) (Range)

For Allavista Energy inc  
(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

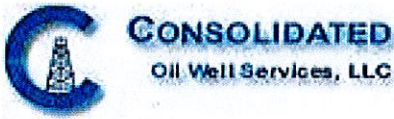
913-710-5400



Thickness of Strata	Formation	Total Depth	Remarks
0-9	soil - clay	9	
3	shale	12	
2	Lime	14	
4	Shale	18	
4	sand	22	no oil
6	Shale	28	
22	Lime	50	
5	Shale	55	
5	sand	60	no oil
81	Shale	141	
20	Lime	161	
9	Shale	170	
2	Lime	172	
7	Shale	179	
8	Lime	187	
42	Shale	229	
16	Lime	245	
9	Shale	254	
29	Lime	283	
8	Shale	291	
22	Lime	313	
5	Shale	318	
3	Lime	321	
3	Shale	324	
5	Lime	329	Heather
141	Shale	470	
3	sand	473	no oil

473

Thickness of Strata	Formation	Total Depth	Remarks
20	Shale	493	
7	Lime	500	
3	Shale	503	
2	Lime	505	
2	Shale	507	
12	sand	519	no oil
33	Shale	552	
6	Lime	558	
13	Shale	571	
2	Lime	573	
18	Shale	591	
12	Lime	603	
17	Shale	620	
3	Lime	623	
4	Shale	627	
6	Lime	633	odor
4	Shale	637	
2	sand	639	no oil
2	Sandy	641	broken - good Oil Show
8	Sand	649	Solid - good saturation
2	sand	651	broken - good Oil Show
27	Sandy shale	678	
62	shale	740	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#

807341

Invoice Date: 03/30/16

Terms: Net 30

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ALTAVISTA ENERGY INC

PO BOX 128  
 WELLSVILLE KS 66092  
 USA  
 7858834057

ROY BEETS #AI-63

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)	91.000	13.5000	62.000	466.83
CC5965	Bentonite	253.000	0.3000	62.000	28.84
CC5326	Sodium Chloride, Salt	176.000	0.7500	62.000	50.16
CC6077	Kolseal	455.000	0.5000	62.000	86.45
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 4,186.90

Discounted Amount 2,595.88

SubTotal After Discount 1,591.02

Amount Due 4,325.61 If paid after 04/29/16

Tax: 52.71

Total: 1,643.73



**CONSOLIDATED**  
Oil Well Services, LLC

5563  
5468

TICKET NUMBER 50017  
LOCATION Ottawa KS  
FOREMAN Fred Maden

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

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

**Invoice # 807341**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-29-16	3244	Roy Seals # AI-623	NE 12	18	21	M1
CUSTOMER <u>Altavista Energy</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS <u>P.O. Box 128</u>			<u>712</u>	<u>Fred Mad</u>		
CITY	STATE	ZIP CODE	<u>495</u>	<u>Harbac</u>		
<u>Wellsville</u>	<u>KS</u>	<u>66092</u>	<u>675</u>	<u>Ki Del</u>		
			<u>510</u>	<u>Avl Mad</u>		

JOB TYPE Long string HOLE SIZE 5-7/8 HOLE DEPTH 740 CASING SIZE & WEIGHT 2 7/8 EUE  
 CASING DEPTH 624 DRILL PIPE \_\_\_\_\_ TUBING 684 OTHER \_\_\_\_\_  
 SLURRY WEIGHT 10.7 lb SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 32' x Plug  
 DISPLACEMENT 4 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 46 PM

REMARKS: Hold safety meeting. Establish pump rate. Pump 1/2 Gal Mud  
Flush "C". Polymer. Circulate well to condition hole. Mix +  
Pump 100\* Gal Flush. Mix + Pump 91 SKS Por Blend IA Cement  
29 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.

TOS Drilling: was Dillard

Fred Maden

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	142.00
CE0711	Minimum	Ten Miles Delivery	510	660.00
WE0853	1 1/2 hr	80 BBL Vac Truck	675	1500.00
		Sub Total		2453.00
		Less 62%		1520.86
				932.14
CC5840	91 SKS	Por Blend IA Cement		1226.50
CC5965	253#	Bentonite Gel		75.90
CC5826	176#	Salt		182.00
CC6077	455#	Kol Seal		227.50
CP8876	1	2 1/2" Rubber Plug		115.00
CC6128	1/2 Gal	Mud Flush "C"		25.00
		Sub Total		1733.90
		Less 62%		1075.02
				658.88
		8%	SALES TAX	52.71
			ESTIMATED TOTAL	1643.73

Ravin 3737

AUTHORIZATION No Co Rep on Site TITLE \_\_\_\_\_ DATE (4325.61)

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