

Miami County, KS
 Well: Roy Beets AI-52
 Lease Owner: AltaVista

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

Commenced Spudding:
 3/4/16

WELL LOG

Thickness of Strata	Formation	Total Depth
0-2	Soil-Clay	2
5	Lime	7
10	Sand	17
83	Shale	100
18	Lime	118
5	Shale	123
2	Lime	125
4	Shale	129
3	Lime	132
6	Shale	138
9	Lime	147
41	Shale	188
16	Lime	204
9	Shale	213
29	Lime	242
7	Shale	249
21	Lime	270
5	Shale	275
4	Lime	279
2	Shale	281
5	Lime	286
138	Shale	424
20	Sand	444
4	Shale	448
13	Lime	461
3	Shale	464
10	Sand	474
33	Shale	507
6	Lime	513
13	Shale	526
3	Lime	529
16	Shale	545
8	Lime	553
19	Shale	572
11	Lime	583
5	Shale	588
4	Sand	592
9	Sand	601
1	Sand	602
2	Sand	604

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-52

Farm Roy Beets

KS
(State)

Miami
(County)

12
(Section)

18
(Township)

21
(Range)

For Altavista Energy inc
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Roy Breets Farm: Missouri County
KS State: Well No. AI-52

Elevation 988

Commenced Spudding 3-4 20 16

Finished Drilling 3-7 20 16

Driller's Name Wesley Ballard

Driller's Name _____

Driller's Name _____

Tool Dresser's Name Ryan Ward

Tool Dresser's Name _____

Tool Dresser's Name _____

Contractor's Name TOS
12 18 21

(Section) (Township) (Range)
 Distance from S line, 5275 ft.

Distance from E line, 3060 ft.

3 sacks
 8 hrs
 5 5/8 barrel
 2 7/8 casing

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____
 8" Set _____ 8" Pulled _____
 7" Set 20 6" Pulled _____
 4" Set _____ 4" Pulled _____
 2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
651		Bore			
683.5		Float			
700		TD		2 7/8	

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5	shale	123	
2	lime	125	
4	shale	129	
3	lime	132	
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9	lime	147	
41	shale	188	
16	lime	204	
9	shale	213	
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4	lime	279	
2	shale	281	
5	lime	286	Hesthe
138	shale	424	
20	sand	444	no oil
4	shale	448	
13	lime	461	
3	shale	464	
10	sand	474	no oil

474

Thickness of Strata	Formation	Total Depth	Remarks
33	shale	507	
6	Lime	513	
13	Shale	526	
3	Lime	529	
16	Shale	545	
8	Lime	553	odor
19	Shale	572	
11	Lime	583	
5	Shale	588	
4	sand	592	broken - OK saturation
9	sand	601	mostly solid - good show
1	sand	602	broken - OK saturation
2	sand	604	mostly solid - good show
2	sand	606	no oil
4	sand	610	mostly solid - good show ^{Br} oil
10	sandy shale	620	
80	Shale	700	TD



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.Box884
Chanute, KS 66720
620/431-9210, 1-800/467-8676
Fax 620/431-0012

Invoice

Invoice#

807237

Invoice Date: 03/15/16

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-52

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)	86.000	13.5000	64.000	417.96
CC5965	Bentonite	244.000	0.3000	64.000	26.35
CC5326	Sodium Chloride, Salt	166.000	0.7500	64.000	44.82
CC6077	Kolseal	430.000	0.5000	64.000	77.40
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 4,096.70

Discounted Amount 2,621.89

SubTotal After Discount 1,474.81

Amount Due 4,228.20 If paid after 04/14/16

Tax: 47.34

Total: 1,522.15

5459
5365



CONSOLIDATED
Oil Well Services, LLC

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

**FIELD TICKET & TREATMENT REPORT
CEMENT**

TICKET NUMBER 49996
LOCATION Oxtawa KS
FOREMAN Fred Maden

Invoice # 807237

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-7-16	3244	Roy Beets # AI 52	NW 12	1E	21	MI
CUSTOMER			TRUCK #			
Alkavista Energy			712 / Fro Mad			
MAILING ADDRESS			495 / Har Bac			
P.O. Box 125			675 / Ki Det			
CITY			510 / Mik Hoa			
Wellsville		STATE	ZIP CODE			
		KS				

JOB TYPE Logging HOLE SIZE 5 7/8 HOLE DEPTH 700' CASING SIZE & WEIGHT 2 7/8 EUE
 CASING DEPTH 6 x 3' DRILL PIPE Baffle in TUBING @ 6.51 OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 32' + PLY
 DISPLACEMENT 3.79 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 BPM

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 86 SKS Poz Blend IA Cement 2% Gel 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. - Wesley 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	1430.00
CE0711	Minimum	Ten Miles Delivery	510	460.00
WE0953	1 1/2 hr	90 BBL Vac Truck	675	1500.00
Sub Total				2450.00
Less 64%				1569.00
				893.00
7499 CC5840	86 SKS	Poz Blend IA Cement		1161.00
CC5965	244"	Bentonite Gel.		73.00
CC5326	166#	Salt		124.50
CC6077	430#	Kol Seal		215.00
CP 401 F170	1	2 1/2" Rubber Plug		45.00
CC6128	1/2 Gal	Mud Flush "C"		25.00
Sub Total				1643.50
Less 64%				1051.97
				591.73
			6%	SALES TAX
				47.34
				ESTIMATED TOTAL
				1522.15

Ravin 3737 AUTHORIZATION Bryan Miller TITLE _____ DATE (4228.20)

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.