

Miami County, KS  
Well: Duane Beets A-10  
Lease Owner: Altavista

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

Commenced Spudding:  
2/22/16

WELL LOG

Thickness of Strata	Formation	Total Depth
0-5	Soil-Clay	5
19	Lime	24
12	Sand	36
81	Shale	117
20	Lime	137
9	Shale	146
2	Lime	148
5	Shale	153
10	Lime	163
42	Shale	205
15	Lime	220
10	Shale	230
28	Lime	258
8	Shale	266
22	Lime	288
5	Shale	293
3	Lime	296
2	Shale	298
6	Lime	304
143	Shale	447
8	Sand	455
12	Shale	467
15	Lime	482
3	Shale	485
8	Sand	493
34	Shale	527
7	Lime	534
10	Shale	544
3	Lime	547
18	Shale	565
5	Lime	570
22	Shale	592
3	Lime	595
3	Shale	598
7	Lime	605
5	Shale	610
1	Sand	611
3	Sand	614
5	Sand	619
1	Sand	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 -  $RPM \times d$  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. A-10

Farm Duane Beets

KS Miami  
(State) (County)

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

For Allvest Energy inc  
(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Duane  
 Beets Farm: Miami County  
KS State; Well No. A-10  
 Elevation 1003  
 Commenced Spuding 2-22 20 16  
 Finished Drilling 2-24 20 16  
 Driller's Name Wesley Dollard  
 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 16 21

(Section) (Township) (Range)  
 Distance from S line, 3490 ft.  
 Distance from E line, 2475 ft.

3 sacks  
 9 hrs  
 5 5/8 borehole  
 2 1/4 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.
606	-	Seat nipple			
638.4		Baffle			
670.8		Float			
680		TD			2 7/8

Thickness of Strata	Formation	Total Depth	Remarks
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10	Lime	163	
42	shale	205	
15	Lime	220	
10	shale	230	
28	Lime	258	
8	shale	266	
22	Lime	288	
5	shale	293	
3	Lime	296	
2	shale	298	
6	Lime	304	Mertha
143	shale	447	
8	sand	455	broken oil
12	shale	467	
15	Lime	482	
3	shale	485	
8	sand	493	water
34	shale	527	
7	Lime	534	

534

Thickness of Strata	Formation	Total Depth	Remarks
10	Shale	544	
3	Lime	547	
16	Shale	565	
5	Lime	570	
22	Shale	592	
3	Lime	595	
3	Shale	598	
7	Lime	605	odor
5	Shale	610	
1	Sand	611	no oil
3	sand	614	broken - good show
5	sand	619	mostly solid - good show
1	Sand	620	broken - good show
3	sand	623	laminations - not much oil
26	sandy shale	649	
31	Shale	680	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#

807119

Invoice Date: 02/26/16

Terms: Net 30

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ALTAVISTA ENERGY INC

4595 K-33 HWY, PO BOX 128  
 WELLSVILLE KS 66092  
 USA

DUANE BEETS #A-10

7858834057

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)	1.000	100.0000	64.000	36.00
CC5840	Poz-Blend I A (50:50)	94.000	13.5000	64.000	456.84
CC5965	Bentonite	258.000	0.3000	64.000	27.86
CC5326	Sodium Chloride, Salt	182.000	0.7500	64.000	49.14
CC6077	Kolseal	470.000	0.5000	64.000	84.60
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	64.000	16.20

Subtotal 4,165.90

Discounted Amount 2,666.18

SubTotal After Discount 1,499.72

Amount Due 4,306.93 If paid after 03/27/16

Tax: 50.77

Total: 1,550.49





**CONSOLIDATED**  
Oil Well Services, LLC

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

5392  
5295

TICKET NUMBER 49988

LOCATION Ottawa KS

FOREMAN Fred Maden

**FIELD TICKET & TREATMENT REPORT  
CEMENT**

**Invoice #807119**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-24-16	3244	Duane Beets # A-10	NE 12	18	21	M
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Alta Vista Energy LLC			712	Fred Mad		
MAILING ADDRESS			495	Nar Bee		
P.O. Box 128			675	Ku Det		
CITY	STATE	ZIP CODE	510	Mix Hua		
Wellsville	KS	66092				

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 660 CASING SIZE & WEIGHT 2 7/8 EUE  
 CASING DEPTH 670' DRILL PIPE Baffle in TUBING 638' OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 32' Plug  
 DISPLACEMENT 2.71 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 BPM

REMARKS: Hold safety meeting. Establish pump rate. Mix & Pump 100' Gel  
Flush. Mix & Pump 94 sks Por Blend IA Cement 270 gal 570 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 flat valve. Shut in casing

TOS Drilling. (Wesly Dallord.)

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	495	1500 <sup>00</sup>
CE0002	20 mi	MILEAGE	495	143 <sup>00</sup>
CE0711	Minimum	Ten Miles Delivery	500	660 <sup>00</sup>
WE0853	1 hr	80 BBL Vac Truck	675	100 <sup>00</sup>
		Sub Total		2403 <sup>00</sup>
		Less 64%		-1537 <sup>92</sup>
				865 <sup>08</sup>
7891 CC5840	94 sks	Por Blend IA Cement	1269 <sup>00</sup>	
CC5965	258 <sup>#</sup>	Bentonite Gel	77 <sup>40</sup>	
CC5326	182 <sup>#</sup>	Salt	126 <sup>50</sup>	
CC6077	470 <sup>#</sup>	Kol Seal	235 <sup>20</sup>	
CP8176	1	2 1/2" Rubber Plug	45 <sup>00</sup>	
		Sub Total		1762 <sup>70</sup>
		Less 64%		-1128 <sup>26</sup>
				634 <sup>44</sup>
			8%	SALES TAX
				ESTIMATED
				TOTAL
				5077
				1560 <sup>49</sup>

Ravin 3737

AUTHORIZATION No Co Repair Site

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

4306.93

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.