

Miami County, KS  
Well: E. Goetz AI-36  
Lease Owner:AltaVista

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

Commenced Spudding:  
9/15/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-4	Soil-Clay	4
12	Lime	16
10	Shale	26
5	Lime	31
42	Shale	73
14	Lime	87
10	Shale	97
29	Lime	126
6	Shale	132
20	Lime	152
5	Shale	157
3	Lime	160
3	Shale	163
5	Lime	168
34	Shale	202
7	Sand	209
22	Sandy Shale	231
41	Shale	272
4	Sand	276
31	Shale	307
7	Shale	317
17	Shale	331
12	Lime	343
48	Shale	391
8	Lime	399
11	Shale	410
3	Lime	413
14	Shale	427
9	Lime	436
18	Shale	454
2	Lime	456
4	Shale	460
6	Lime	466
4	Shale	470
2	Sand	472
2	Sand	474
1	Sand	475
1	Sand	476
34	Sandy Shale	500
76	Shale	576



# 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-36

Farm East Goetz

KS Miami  
(State) (County)

9 18 22  
(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
0-4	Soil-clay	4	
12	Lime	16	
10	Shale	26	
5	Lime	31	
42	shale	73	
14	Lime	87	
10	Shale	97	
29	Lime	126	
6	shale	132	
20	Lime	152	
5	shale	157	
3	Lime	160	
3	shale	163	
5	Lime	168	
34	Shale	202	Mertha
7	sand	209	no Oil
22	sandy shale	231	
41	shale	272	
4	sand	276	no Oil
31	shale	307	
7	shale & Lime	314	
17	shale	331	
12	Lime	343	
48	Shale	391	
8	Lime	399	
11	Shale	410	
3	Lime	413	





**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. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

INVOICE

Invoice # 271183

Invoice Date: 09/19/2014 Terms: 0/30/10,n/30

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ALTAVISTA ENERGY INC  
4595 K-33 HIGHWAY  
P.O. BOX 128  
WELLSVILLE KS 66092  
(785) 883-4057

E GEOTZ AI-36  
48140  
NW9-18-22  
9-16-14  
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	98.00	11.5000	1127.00
1118B	PREMIUM GEL / BENTONITE	365.00	.2200	80.30
1111	SODIUM CHLORIDE (GRANULA	206.00	.3900	80.34
1110A	KOL SEAL (50# BAG)	490.00	.4600	225.40
1401	HE 100 POLYMER	.50	47.2500	23.63
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

Sublet Performed	Description	Total
9995-120	CEMENT EQUIPMENT DISCOUNT	-461.00

Description	Hours	Unit Price	Total
370 MIN. BULK DELIVERY	1.00	368.00	368.00
503 80 BBL VACUUM TRUCK (CEMENT)	2.00	100.00	200.00
666 CEMENT PUMP	1.00	1085.00	1085.00
666 EQUIPMENT MILEAGE (ONE WAY)	25.00	4.20	105.00
666 CASING FOOTAGE	668.00	.00	.00

Amount Due 3443.99 if paid after 09/29/2014

Parts:	1566.17	Freight:	.00	Tax:	84.55	AR	2947.72
Labor:	.00	Misc:	.00	Total:	2947.72		
Sublt:	-461.00	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_ Date \_\_\_\_\_

BARTLESVILLE, OK  
918/338-0808

EL DORADO, KS  
316/322-7022

EUREKA, KS  
620/583-7664

PONCA CITY, OK  
580/762-2303

OAKLEY, KS  
785/672-8822

OTTAWA, KS  
785/242-4044

THAYER, KS  
620/839-5269

GILLETTE, WY  
307/686-4914

CUSHING, OK  
918/225-2650



271183

TICKET NUMBER 48140  
 LOCATION Ottawa, KS  
 FOREMAN Casey Kennedy

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

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

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9/16/14	3244	E. Geatz # AT-36	NW 9	18	22	MI
CUSTOMER <u>Attavista Energy</u>			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS <u>PO Box 128</u>			<u>729 Casken</u> ✓ <u>Safety Meeting</u>			
CITY <u>Wellsville</u>			<u>1616 Kei Car</u> ✓			
STATE <u>KS</u>		ZIP CODE <u>66092</u>	<u>503 Tro Har</u> ✓			
			<u>370 Mikha</u> ✓			

JOB TYPE logstring HOLE SIZE 5 5/8" HOLE DEPTH 680' CASING SIZE & WEIGHT 2 1/8" EUE  
 CASING DEPTH 1616' DRILL PIPE \_\_\_\_\_ TUBING baffle - 636' OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT 3.68 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5 bpm

REMARKS: held safety meeting, established circulation, mixed + pumped 1/2 bbl Polymer, circulated for 1hr to condition hole, mixed + pumped 200 # Premium Gel followed by 10 bbls fresh water, mixed + pumped 98 sks 50/50 Pozmix cement w/ 2% gel, 5% salt, + 5 # Kalseal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 3.68 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

*BTG*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00 ✓
5406	25 mi	MILEAGE		105.00 ✓
5402	1616'	casing footage		_____ ✓
5407	minimum	ton mileage		36.00 ✓
5502C	2 hrs	PO Wc		200.00 ✓
1124	98 sks	50/50 Pozmix cement	1127.00	✓
1118B	365 #	Premium Gel	80.30	✓
1111	206 #	Salt	80.34	✓
1110A	490 #	Kalseal	225.40	✓
1461	12 gal	Polymer	23.63	✓
		materials	1536.67	✓
		-30% Subtotal	461.00	✓
4402	1	2 1/2" rubber plug		29.50 ✓
		<u>3443.95</u>	7.65%	SALES TAX 84.55 ✓
				ESTIMATED TOTAL 2947.72 ✓

AUTHORIZATION Bryan Miller TITLE \_\_\_\_\_ DATE \_\_\_\_\_

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.