

Miami County, KS  
Well: E. Geotz A-32  
Lease Owner: Altavista

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

Commenced Spudding:  
08/22/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-13	soil/clay	13
25	shale	38
8	lime	46
2	shale	48
4	lime	52
10	shale	62
29	lime	91
7	shale	98
20	lime	118
4	shale	122
3	lime	125
47	shale	129
5	lime	134
32	shale	166
9	sand	175
12	sandy shale	187
55	shale	242
5	sand	247
27	shale	274
9	shale and lime	283
16	shale	299
11	lime	310
2	shale	312
10	sand	322
6	sandy shale	328
32	shale	360
7	lime	367
12	shale	379
3	lime	382
13	shale	395
10	lime	405
18	shale	423
2	lime	425
5	shale	430
6	lime	436
5	shale	441
15	sand	456
51	sale	507
3	sand	510
28	shale	538





# Short Cuts

## TANK CAPACITY

BBLs. (42 gal.) equals  $D^2 \times 1.4 \times h$

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. A-32

Farm East Goetz

KS Missi  
(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

East Goetz Farm: Miami County  
KS State; Well No. A-32  
Elevation 861  
Commenced Spudding Aug 22 2014  
Finished Drilling Aug 26 2014  
Driller's Name Wesley Dollard  
Driller's Name Greg Pary  
Driller's Name \_\_\_\_\_  
Tool Dresser's Name Dakota Oliver  
Tool Dresser's Name \_\_\_\_\_  
Tool Dresser's Name \_\_\_\_\_  
Contractor's Name TOS  
a 18 22

(Section) (Township) (Range)  
Distance from S line, 4795 ft.  
Distance from E line, 4795 ft.  
4 sacks  
1 core  
11 hrs

### CASING AND TUBING RECORD

10" Set \_\_\_\_\_ 10" Pulled \_\_\_\_\_  
8" Set \_\_\_\_\_ 8" Pulled \_\_\_\_\_  
7 3/4" Set 24 6 1/4" Pulled \_\_\_\_\_  
4" Set \_\_\_\_\_ 4" Pulled \_\_\_\_\_  
2" Set \_\_\_\_\_ 2" Pulled \_\_\_\_\_

### CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
549.75		S&T nipple			
581.40		B&F	1e		
613.05		Flocat			
				2 7/8	

Thickness of Strata	Formation	Total Depth	Remarks
0-13	soil-clay	13	
25	shale	38	flooding rock at surface
8	Lime	46	
2	shale	48	
4	Lime	52	
10	shale	62	
29	Lime	91	
7	shale	98	
20	Lime	118	
4	shale	122	
3	Lime	125	
4	shale	129	
5	Lime	134	
32	shale	166	Hertha
9	sand	175	
12	sandy shale	187	no oil
55	shale	242	
5	sand	247	
27	shale	274	no oil
9	shale & Lime	283	
16	shale	299	
11	Lime	310	
2	shale	312	
10	sand	322	
6	sandy shale	328	gas
32	shale	360	
7	Lime	367	

367

Thickness of Strata	Formation	Total Depth	Remarks
12	shale	379	
3	lime	382	
13	shale	395	
10	lime	405	
18	shale	423	
2	lime	425	
5	shale	430	
6	lime	436	
5	shale	441	
15	sand	456	color - slight show
51	shale	507	
3	sand	510	color - no show
28	shale	538	
2	lime	540	
5	shale	545	
3	sandy shale	548	
2	sand	550	no oil
1	sand	551	oil - Perf
15	core	566	page 6
19	shale	585	
55	sand	640	gas - water - TD

Core

551

Thickness of Strata	Formation	Total Depth	Remarks
14	Sand	565	laminated - good show - Perf
1	Shale	566	no oil





**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
~~PLANT~~  
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 # 270748

Invoice Date: 08/29/2014 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 GOETZ A32  
48123  
NW9-18-22  
8-26-14  
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	75.00	11.5000	862.50
1118B	PREMIUM GEL / BENTONITE	226.00	.2200	49.72
1111	SODIUM CHLORIDE (GRANULA	145.00	.3900	56.55
1110A	KOL SEAL (50# BAG)	375.00	.4600	172.50
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

Sublet Performed	Description	Total
9996-120	CEMENT MATERIAL DISCOUNT	-342.38

Description	Hours	Unit Price	Total
368 CEMENT PUMP	1.00	1085.00	1085.00
368 EQUIPMENT MILEAGE (ONE WAY)	25.00	4.20	105.00
368 CASING FOOTAGE	613.00	.00	.00
369 80 BBL VACUUM TRUCK (CEMENT)	2.00	100.00	200.00
503 MIN. BULK DELIVERY	1.00	368.00	368.00

Amount Due 3018.34 if paid after 09/08/2014

Parts:	1170.77	Freight:	.00	Tax:	63.38	AR	2649.77
Labor:	.00	Misc:	.00	Total:	2649.77		
Sublt:	-342.38	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



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

270748

TICKET NUMBER 48123  
LOCATION Ottawa  
FOREMAN Alan Mader

FIELD TICKET & TREATMENT REPORT  
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-26-14	3244	E Goetz # A32	NW 9	18	22	Mi
CUSTOMER <u>Altavista Energy</u>			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS <u>P.O. Box 128</u>			730 Alameda Safety Meet			
CITY STATE ZIP CODE <u>Wellsville KS 66092</u>			368 Al Mcd			
			369 Mik Hog			
			503 Tro Har			
JOB TYPE <u>logstring</u>	HOLE SIZE <u>5 7/8</u>	HOLE DEPTH <u>640</u>	CASING SIZE & WEIGHT <u>2 7/8</u>			
CASING DEPTH <u>613</u>	DRILL PIPE	TUBING	OTHER <u>BF 581</u>			
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING <u>yes</u>			
DISPLACEMENT <u>338</u>	DISPLACEMENT PSI <u>800</u>	MIX PSI <u>800</u>	RATE <u>4 bpm</u>			
REMARKS: <u>Held meeting. Established rate. Mixed &amp; pumped 100# gel followed by 75 sk 50150 cement plus 5% salt, 2% gel &amp; 5# kol seal per sack. Circulated cement. Flushed pump. Pumped plug to baffle. Well held 800 PSI. Set float.</u>						

TDS, WBS

Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368	1085.00 ✓
5406	25	MILEAGE	368	105.00 ✓
5402	613	Casing footage	368	— ✓
5407	min	ton miles	503	368.00 ✓
5502C	2	80 val	369	800.00 ✓
1124	75	50150 cement	862.50	✓
118B	226#	gel	49.72	✓
1111	145#	salt	56.55	✓
110A	375#	kol seal	172.50	✓
		material sub	1141.27	
		less 30% -	342.38	✓
		material total		798.89
4402	1	2 1/2 plug		29.50 ✓
				3018.33
			SALES TAX	63.38 ✓
			ESTIMATED TOTAL	2649.77 ✓

**Completed**

AUTHORIZATION Dyan 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