

Miami County, KS  
 Well: East Goetz A-30  
 Lease Owner: AltaVista

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

Commenced Spudding:  
 8/18/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-18	Soil-Clay	18
40	Shale	58
15	Clay	73
10	Shale	83
29	Lime	112
6	Shale	118
21	Lime	139
5	Shale	144
4	Lime	148
2	Shale	150
5	Lime	155
35	Shale	190
6	Sand	196
67	Shale	263
5	Sand	268
28	Shale	296
6	Shale	302
18	Shale	320
10	Lime	330
5	Shale	335
8	Sand	343
5	Sandy Shale	348
34	Shale	382
9	Lime	391
10	Shale	401
3	Lime	404
15	Shale	419
9	Lime	428
18	Shale	446
2	Lime	448
4	Shale	452
7	Lime	459
5	Shale	464
4	Sand	468
6	Sand	474
3	Sandy Shale	477
54	Shale	531
2	Sand	533
2	Sandy Shale	535
14	Shale	549





# Short Cuts

## TANK CAPACITY

BBLs. (42 gal.) equals  $D^2 \times 14xh$

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-30

Farm East Goetz

KS Miami  
(State) (County)

9 R6 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
0-18	Soil-clay	18	
40	Shale	58	Some Lime
15	Lime	73	
10	shale	83	
29	Lime	112	
6	shale & slate	118	
21	Lime	139	
5	shale & slate	144	
4	Lime	148	
2	shale	150	
5	Lime	155	
35	Shale	190	Hertha
6	sand	196	
67	Shale	263	no oil
5	sand	268	
28	shale	296	no oil
6	shale & Lime	302	
18	shale	320	
10	Lime	330	
5	shale	335	
8	sand	343	
5	sandy shale	348	gas
34	shale	382	
9	Lime	391	
10	shale	401	
3	Lime	404	
15	shale	419	

419

Thickness of Strata	Formation	Total Depth	Remarks
9	Lime	428	
18	Shale	446	
2	Lime	448	
4	Shale	452	
7	Lime	459	
5	Shale	464	
4	Sand	468	
6	Sand	474	broken - odor - no show
3	sandy shale	477	grey - no oil
54	shale	531	
2	sand	533	
2	sandy shale	535	odor - slight show
14	shale	549	
1	coal	550	
13	shale	563	
4	shale & Lime	567	
1	slate	568	
4	shale	572	
2	sandy shale & Lime	574	
1	sandy shale	575	
1	sand	576	odor
16	core	592	page 8
19	shale	611	
73	sand	684	gas - water
5	sandy Lime	688	
17	sand	705	water
2	sandy Lime	707	









**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 # 270541

Invoice Date: 08/25/2014 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 #A-30  
48117  
NW9-18-22  
8-20-14  
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	87.00	11.5000	1000.50
1118B	PREMIUM GEL / BENTONITE	246.00	.2200	54.12
1111	SODIUM CHLORIDE (GRANULA	168.00	.3900	65.52
1110A	KOL SEAL (50# BAG)	435.00	.4600	200.10
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

Sublet Performed	Description	Total
9996-120	CEMENT MATERIAL DISCOUNT	-396.07

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	700.00	.00	.00
370 80 BBL VACUUM TRUCK (CEMENT)	2.00	100.00	200.00
558 MIN. BULK DELIVERY	1.00	368.00	368.00

Amount Due 3211.00 if paid after 09/04/2014

Parts:	1349.74	Freight:	.00	Tax:	72.96	AR	2784.63
Labor:	.00	Misc:	.00	Total:	2784.63		
Sublt:	-396.07	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



**CONSOLIDATED**  
Oil Well Services, LLC

270541

TICKET NUMBER 48117  
LOCATION Ottawa  
FOREMAN Alan Mader

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
8.20.14	3244	EGertz # A.30	NE 09	18	22	Mi
CUSTOMER Altavista Energy			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS P.O. Box 128			730	Al Mad	Safety	Meat
CITY Wellsville			368	Ar (McJ)		
STATE KS			370	Mik Fox		
ZIP CODE 66092			558	Bru Bir		
JOB TYPE <u>long string</u>	HOLE SIZE <u>5 7/8</u>	HOLE DEPTH <u>720</u>	CASING SIZE & WEIGHT <u>2 7/8</u>			
CASING DEPTH <u>700</u>	DRILL PIPE	TUBING	OTHER <u>607 bf</u>			
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING <u>YES</u>			
DISPLACEMENT <u>3.53</u>	DISPLACEMENT PSI <u>800</u>	MIX PSI <u>200</u>	RATE <u>4 bpm</u>			
REMARKS: <u>Held meeting. Established rate. Mixed &amp; pumped 100# gel to flush hole followed by 87 sk 50/50 cement plus 270# salt, 50# salt, 5# Kolseal per sack. Circulated cement. Flushed pump. Pumped plug to baffle. Well held 800 PSI. Set float.</u>						

TDS, Wes

*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	700'	casing footage	368	— ✓
5407	min	ton miles	558	368.00 ✓
5502C	2	80 val	370	200.00 ✓
1124	87	50 r/d cement	1000.50	✓
1118B	246#	gel	54.12	✓
1111	168#	salt	65.52	✓
1110A	435#	Kol seal	200.10	✓
		material sub	1320.24	
		heads 30%	-396.07	✓
		material total		924.17
4402	1	2 1/2 plug		29.50 ✓
			3211.00	
		SALES TAX		72.96 ✓
		ESTIMATED TOTAL		2784.63 ✓

laviv 3737

NO company rep

AUTHORIZATION

*Jim Okel*

TITLE *Bryan Miller*

DATE

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.