

Miami County, KS
 Well: East Goetz A-37
 Lease Owner: Altavista

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

Commenced Spudding:
 9/8/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 5	Soil - Clay	5
7	Lime	12
40	Shale	52
14	Lime	66
11	Shale	77
28	Lime	105
7	Shale	112
19	Lime	131
5	Shale	136
3	Lime	139
4	Shale	143
5	Lime	148
29	Shale	177
16	Sand	193
21	Sandy Shale	214
40	Shale	254
6	Sand	260
28	Lime	288
8	Shale & Lime	296
16	Shale	312
10	Lime	322
4	Shale & Lime	326
8	Sand	334
38	Shale	372
9	Lime	381
10	Shale	391
3	Lime	394
14	Shale	408
8	Lime	416
18	Shale	434
15	Lime	449
4	Shale	453
20	Sand	473
86	Shale	559
4	Sandy Shale & Lime	563
2	Sand	565
1	Sand	566
14	Core	580
18	Shale	598
42	Sand	640

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. A-37

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

East Goetz Farm: Miami County

KS State; Well No. A-37

Elevation 871

Commenced Spuding Sept 8, 2014

Finished Drilling Sept 9, 2014

Driller's Name Wesley Dollard

Driller's Name _____

Driller's Name _____

Tool Dresser's Name _____

Tool Dresser's Name _____

Tool Dresser's Name _____

Contractor's Name TOS

9 18 22

(Section) (Township) (Range)

Distance from S line, 4125 ft.

Distance from E line, 4795 ft.

4 sacks

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____

8" Set _____ 8" Pulled _____

~~7~~⁷/₈" Set 23 6¹/₄" Pulled _____

4" Set _____ 4" Pulled _____

~~2~~²/₈" Set 630.85 2" Pulled _____

600.56 Baffle
569.55 seat nipple
640 TD

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
600	56	Baffle			
630	85	Total			

Thickness of Strata	Formation	Total Depth	Remarks
0-5	soil-clay	5	
7	Lime	12	
40	shale	52	
14	Lime	66	
11	shale	77	
28	Lime	105	
7	shale	112	
19	Lime	131	
5	shale	136	
3	Lime	139	
4	shale	143	
5	Lime	148	Hertha
29	shale	177	
16	sand	193	no Oil
21	sandy shale	214	
40	shale	254	
6	sand	260	no Oil
28	shale	288	
8	shale & Lime	296	
16	shale	312	
10	Lime	322	
4	shale & Lime	326	
8	sand	334	no Oil
38	shale	372	
9	Lime	381	
10	shale	391	
3	Lime	394	

394

Thickness of Strata	Formation	Total Depth	Remarks
14	shale	408	
8	Lime	416	
18	shale	434	
15	Lime	449	
4	shale	453	
20	sand	473	no oil
86	shale	559	
4	sandy shale & Lime	563	
2	sand	565	gray - no oil
1	sand	566	odor
14	Loam	580	page 6
18	shale	598	
42	sand	640	TD gas - water

Thickness of Strata	Formation	Total Depth	Remarks
	Core		
		566	
7	Sand & sandy shale	573	no Oil
5	sand	578	mostly solid - bottom 3' Best
2	shale	580	



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 # 270975

Invoice Date: 09/11/2014 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-37
48170
NW9-18-22
9-9-14
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	76.00	11.5000	874.00
1118B	PREMIUM GEL / BENTONITE	228.00	.2200	50.16
1111	SODIUM CHLORIDE (GRANULA	147.00	.3900	57.33
1110A	KOL SEAL (50# BAG)	380.00	.4600	174.80
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50
Sublet Performed Description				Total
9996-120	CEMENT MATERIAL DISCOUNT			-346.89
	Description	Hours	Unit Price	Total
368	CEMENT PUMP	1.00	1085.00	1085.00
368	EQUIPMENT MILEAGE (ONE WAY)	1.00	.00	.00
368	CASING FOOTAGE	630.00	.00	.00
370	80 BBL VACUUM TRUCK (CEMENT)	1.50	100.00	150.00
547	MIN. BULK DELIVERY	1.00	368.00	368.00

Amount Due 2879.51 if paid after 09/21/2014

Parts:	1185.79	Freight:	.00	Tax:	64.18	AR	2506.08
Labor:	.00	Misc:	.00	Total:	2506.08		
Sublt:	-346.89	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



270975

TICKET NUMBER 48170
 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	
9-9-14	3244	E. Goetz A.37	NW 9	18	22	Mi	
CUSTOMER Altavista Energy			TRUCK #	DRIVER	TRUCK #	DRIVER	
MAILING ADDRESS P.O. Box 128			730	Ala. Mad	safety	Mad	
CITY Wellsville			368	Art Mad			
STATE KS			370	Mik Fox			
ZIP CODE 66092			548	Dan Whg			
JOB TYPE	long string	HOLE SIZE	5 5/8	HOLE DEPTH	670	CASING SIZE & WEIGHT	2 7/8
CASING DEPTH	630	DRILL PIPE		TUBING		OTHER	600
SLURRY WEIGHT		SLURRY VOL		WATER gal/sk		CEMENT LEFT in CASING	
DISPLACEMENT	3 1/2	DISPLACEMENT PSI	600	MIX PSI	200	RATE	4 bpm
REMARKS: Held meeting. Established rate. Mixed & pumped 100# gel followed by 76 sk 50150 cement plus 220 gel 5% salt, 5# kol seal per sack. Circulated cement. Flushed pump. Pumped plug to baffle. Well held 800 PST. Set float.							

TDS, Wes & Chad

Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368	1085 ⁰⁰
5406		MILEAGE	368	
5402	630	casing footage	368	
5407	mi	ton miles	548	368 ⁰⁰
5502 L	1 1/2	80 vgc	370	150 ⁰⁰
1124	76	50150 cement	874 ⁰⁰	
1118B	228#	gel	50.16	
1111	147#	salt	57.33	
1110A	380#	kol seal	174.80	
		material sub	1156.29	
		less 30% -	346.89	
		material total		809.40
W402	1	2 1/2 plug		29.50
			2879.50	
				SALES TAX 64.18
				ESTIMATED TOTAL 2506.08

completed

Ravin 3737
 AUTHORIZATION Bryan Mader 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.