

Miami County, KS
 Well: East Goetz A-34
 Lease Owner: Altavista Energy Inc.

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

Commenced Spudding:
 8-28-14

WELL LOG

Thickness of Strata	Formation	Total Depth
0-3	Soil	3
8	Lime	11
9	Shale	20
7	Lime	27
40	Shale	67
15	Lime	82
9	Shale	91
30	Lime	121
5	Shale	126
21	Lime	147
5	Shale	152
3	Lime	155
2	Shale	157
6	Lime	163
35	Shale	198
14	Sand	212
58	Shale	270
4	Sand	274
28	Shale	302
7	Shale & lime	309
17	Shale	326
10	Lime	336
4	Shale	340
7	Sand	347
39	Shale	386
9	Lime	395
10	Shale	405
3	Lime	408
14	Shale	422
9	Lime	431
18	Shale	449
2	Lime	451
5	Shale	456
7	Lime	463
3	Shale	466
10	Sand	476
24	Sandy Shale	500
66	Shale	566
4	Shale & lime	570
4	Shale	574

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-34

Farm East Goetz

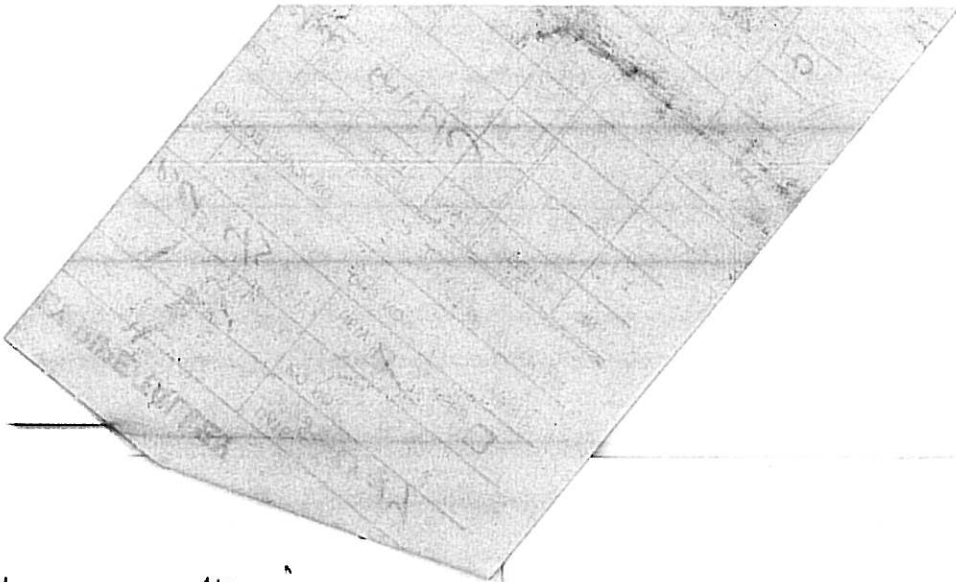
KS Miami
(State) (County)

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



Fast Goetz Farm: Miami County
KS State; Well No. A-34

Elevation 5883

Commenced Spuding Aug 26 2014

Finished Drilling Aug 28 2014

Driller's Name Wesley Dollard

Driller's Name Greg Perry

Driller's Name _____

Tool Dresser's Name Dakota Oliver

Tool Dresser's Name _____

Tool Dresser's Name _____

Contractor's Name TOS

9 18 22

(Section) (Township) (Range)

Distance from S line, 4455 ft.

Distance from E line, 5115 ft.

4 sacks
 1 core - dropped all but 4'
 11 hrs

**CASING AND TUBING
 RECORD**

10" Set _____ 10" Pulled _____
 8" Set _____ 8" Pulled _____
~~7~~ 7 1/4" Set 25 6 1/4" Pulled _____
 4" Set _____ 4" Pulled _____
 2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
578.	10	Seat		nipple	
609.	90	Baffle			
640.	90	Float			
				2 7/8	

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6	Lime	163	Hartha
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14	sand	212	no oil
58	shale	270	
4	sand	274	no oil
28	shale	302	
7	shale & lime	309	
17	shale	326	
10	Lime	336	
4	shale	340	
7	sand	347	no gas
39	shale	386	
9	Lime	395	
10	shale	405	

405

Thickness of Strata	Formation	Total Depth	Remarks
3	Lime	406	
14	shale	422	
9	Lime	431	
18	shale	449	
2	Lime	451	
5	shale	456	
7	Lime	463	
3	shale	466	
10	sand	476	odor
24	sandy shale	500	
66	shale	566	
4	shale & Lime	570	
4	shale	574	
2	sandy shale & Lime	576	
1	sand	577	no oil
1	sand	578	Oil - broken - very little oil
2	sand	580	broken - very little oil
16	sand	596	mostly solid - good show perf
24	shale	620	
40 24	sand	660	TD - water



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 # 270817

Invoice Date: 08/31/2014 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-34
48127
NW9-18-22
8-28-14
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	640.00	.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 3018.34 if paid after 09/10/2014

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

270817

TICKET NUMBER 48127
LOCATION Ottawa
FOREMAN Alan Mader

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8.28.14	3244	E. Goetz A-34	NW 9	18	22	M.
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Alta Vista Energy			330	Ala Mader		
MAILING ADDRESS			368	A. Mader		
P. O. Box 128			370	M. K. Fox		
CITY	STATE	ZIP CODE	558	Brubaker		
Wellsville	KS	66092				

JOB TYPE long string HOLE SIZE 5 7/8 HOLE DEPTH 660 CASING SIZE & WEIGHT 2 7/8
 CASING DEPTH 640 DRILL PIPE _____ TUBING _____ OTHER 67 610
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING yes
 DISPLACEMENT 3.55 DISPLACEMENT PSI 800 MIX PSI 200 RATE 4 bpm
 REMARKS: Held meeting. Established rate. Mixed + pumped 100# gel followed by 75 sk 50 150 cement plus 2% gel, 5% salt, 5# Kolseal per sack. Circulated cement. Flushed pump. Pumped plug to bottom. Well held 800 PSI. Set float. Closed valve.

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	640	casing footage	368	
5407	min	ten miles	538	368.00
5502C	2	80 gal	370	200.00
1124	75	50/150 cement	862.50	
118B	226#	gel	49.72	
1111	145#	salt	56.55	
1110A	375#	Kolseal	172.50	
		material sub	1141.27	
		less 30%	-342.38	
		material total		798.89
4402	1	2 1/2		29.52
		completed		
			3018.33	
		SALES TAX		63.39
		ESTIMATED TOTAL		2649.71

Ravin 3737

AUTHORIZATION Bryan Mills 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