

Miami County, KS
 Well: E. Goetz AI-37
 Lease Owner: AltaVista

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

Commenced Spudding:
 9/17/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-3	Lime	3
6	Clay	9
36	Shale	45
8	Lime	53
2	Shale	55
4	Lime	59
11	Shale	70
26	Lime	96
7	Shale	103
21	Lime	124
5	Shale	129
4	Lime	133
2	Shale	135
7	Lime	142
24	Shale	166
14	Sand	180
26	Sandy Shale	206
44	Shale	250
5	Sand	255
26	Shale	281
8	Shale	289
17	Shale	306
9	Lime	315
52	Shale	367
6	Lime	373
12	Shale	385
4	Lime	389
14	Shale	403
10	Lime	413
23	Shale	436
7	Lime	443
5	Shale	448
7	Sand	455
120	Shale	575
7	Sand	582
18	Shale	600
80	Sand	680-TD

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-37

Farm East Goetz

KS Miami
(State) (County)

9 18 22
(Section) (Township) (Range)

For Allavista 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
0-3	Lime	3	
6	clay	9	
36	shale	45	
8	Lime	53	
2	shale	55	
4	Lime	59	
11	shale	70	
26	Lime	96	
7	shale	103	
21	Lime	124	
5	shale	129	
4	Lime	133	
2	shale	135	
7	Lime	142	Hertha
24	shale	166	
14	sand	180	no Oil
26	sandy shale	206	
44	shale	250	
5	sand	255	no Oil
26	shale	281	
8	shale & Lime	289	
17	shale	306	
9	Lime	315	
52	shale	367	
6	Lime	373	
12	shale	385	
4	Lime	389	



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 # 271374

Invoice Date: 09/30/2014 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 AI-37
48144
NW9-18-22
9-18-14
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	95.00	11.5000	1092.50
1118B	PREMIUM GEL / BENTONITE	360.00	.2200	79.20
1111	SODIUM CHLORIDE (GRANULA	200.00	.3900	78.00
1110A	KOL SEAL (50# BAG)	475.00	.4600	218.50
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
9996-120	CEMENT MATERIAL DISCOUNT	-447.57

Description	Hours	Unit Price	Total
369 MIN. BULK DELIVERY	.50	368.00	184.00
510 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	664.00	.00	.00

Amount Due 3211.73 if paid after 10/10/2014

Parts:	1521.33	Freight:	.00	Tax:	82.16	AR	2729.92
Labor:	.00	Misc:	.00	Total:	2729.92		
Sublt:	-447.57	Supplies:	.00	Change:	.00		

Signed _____

Date _____



271374

TICKET NUMBER 48144
 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
9/18/14	3244	E. Coetz # AI-37	NW 9	18	22	MI
CUSTOMER Attavista Energy			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS PO Box 128			729	Casey	✓ Safety	Marketing
CITY STATE ZIP CODE Wellsville KS 66092			1440	KeiCar	✓	
			500 S10	DusWeb	✓	
			3109	Gar Moo	✓	

JOB TYPE logstring HOLE SIZE 5 7/8" HOLE DEPTH 1080' CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 1444' DRILL PIPE _____ TUBING baffle-1433' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 3.66 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 1/2 gal Polymer, circulated well for 1 hr to condition hole, mixed & pumped 200 # Premium Gel followed by 10 bbls fresh water, mixed & pumped 95 sks 50/50 Pozmix cement w/ 2% gel, 5% salt, & 5 # Kalseal per sk, cement to surface, finished pump clean, pumped 2 1/2" rubber plug to baffle w/ 3.66 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

Handwritten signature/initials

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	1464'	casing footage		184.00 ✓
5407	1/2 minimum	hour mileage		200.00 ✓
5502C	2 hrs	80 Vac		
1124	95 sks	50/50 Pozmix cement	1092.50	✓
1118B	360 #	Premium Gel	79.20	✓
1111	200 #	Salt	28.00	✓
1110A	475 #	Kalseal	218.50	✓
1401	1/2 gal	Polymer	23.63	✓
		materials	1491.83	
		-3070	447.55	✓
		subtotal		1044.28
4402	<input checked="" type="checkbox"/> completed	2 1/2" rubber plug		29.50 ✓
			3211.71	
		7.65%	SALES TAX	82.14 ✓
			ESTIMATED TOTAL	2729.92 ✓

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.