

Miami County, KS
Well: East Goetrz AI-53
Lease Owner: Altavista

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

Commenced Spudding:

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 5	Soil - Clay	5
13	Lime	18
7	Shale	25
6	Lime	31
40	Shale	71
15	Lime	86
10	Shale	96
28	Lime	124
5	Shale	129
21	Lime	150
5	Shale	155
2	Lime	157
1	Shale	158
8	Lime	166
34	Shale	200
10	Sand	210
22	Sandy Shale	232
41	Shale	273
5	Sand	278
28	Shale	306
5	Shale & Lime	311
18	Shale	329
13	Lime	342
48	Shale	390
8	Lime	398
11	Shale	409
3	Lime	412
14	Shale	426
11	Lime	437
17	Shale	454
2	Lime	456
4	Shale	460
6	Lime	466
5	Shale	471
23	Sandy Shale	494
15	Shale	509
2	Lime	511
60	Shale	571
1	Sand	572
10	Sand	582

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. AI-53

Farm East Coetz

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

Thickness of Strata	Formation	Total Depth	Remarks
0-5	soil-clay	5	
13	Lime	18	
7	shale	25	
6	Lime	31	
40	Shale	71	
15	Lime	86	
10	Shale	96	
28	Lime	124	
5	shale	129	
21	Lime	150	
5	shale	155	
2	Lime	157	
1	shale	158	
8	Lime	166	Heating
34	Shale	200	
10	sand	210	no oil
22	sandy shale	232	
41	shale	273	
5	sand	278	no oil
28	shale	306	
5	shale & Lime	311	
18	shale	329	
13	Lime	342	
44	shale	390	
8	Lime	398	
11	shale	409	
3	Lime	412	



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
~~PLINY~~
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 # 271400

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-53
48225
NW9-18-22
9-22-14
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	97.00	11.5000	1115.50
1118B	PREMIUM GEL / BENTONITE	363.00	.2200	79.86
1111	SODIUM CHLORIDE (GRANULA	204.00	.3900	79.56
1110A	KOL SEAL (50# BAG)	485.00	.4600	223.10

Sublet Performed	Description	Total
9996-120	CEMENT MATERIAL DISCOUNT	-449.41

Description	Hours	Unit Price	Total
503 80 BBL VACUUM TRUCK (CEMENT)	2.50	100.00	250.00
666 CEMENT PUMP	1.00	1085.00	1085.00
666 EQUIPMENT MILEAGE (ONE WAY)	25.00	4.20	105.00
666 CASING FOOTAGE	663.00	.00	.00
675 MIN. BULK DELIVERY	1.00	368.00	368.00

Amount Due 3420.63 if paid after 10/10/2014

Parts:	1498.02	Freight:	.00	Tax:	80.23	AR	2936.84
Labor:	.00	Misc:	.00	Total:	2936.84		
Sublt:	-449.41	Supplies:	.00	Change:	.00		

Signed _____ Date _____



271400

TICKET NUMBER 48225
 LOCATION Attaun, 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
9/22/14	3244	E. Coetz # A.I-53	NW 9	18	22	M1

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
Alta Vista Energy Mailing Address Po Box 128 City: Wellsville State: KS Zip Code: 66092	729	Casey	✓ Safety Meeting	
	660	Kei Gr	✓	
	503	Trotter	✓	
	6075	Kei Dot	✓	

JOB TYPE low string HOLE SIZE 5 5/8" HOLE DEPTH 1080' CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 663' DRILL PIPE _____ TUBING baffle - 3000' 6 3/4" OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 31'
 DISPLACEMENT 3.6 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 97 sks 50/50 Pozmix cement w/ 2% gel, 5% Salt + 5# Kolseal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 3.6 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

[Handwritten signature]

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	663'	Casing footage		✓
5407	minimum	ten mileage		368.00 ✓
5502C	2.5 hrs	80 Vac		250.00 ✓
1124	97 sks	50/50 Pozmix cement	1115.50	✓
1118B	363 #	Premium Gel	79.86	✓
1111	204 #	Salt	79.56	✓
1110A	485 #	Kolseal	223.10	✓
		materials	1498.02	✓
		- 30%	449.41	✓
		subtotal		1048.61
		<input checked="" type="checkbox"/> completed		
				3420.62
		7.65%	SALES TAX	80.23 ✓
			ESTIMATED TOTAL	2936.89 ✓

Revin 3737
 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.