

Miami County, KS
Well: East Goetz A-31
Lease Owner: Altavista

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

Commenced Spudding:
8-20-14

WELL LOG

Thickness of Strata	Formation	Total Depth
0-14	Soil - Clay	14
4	Shale	18
15	Lime	33
10	Shale	43
29	Lime	72
5	Shale & Slate	77
21	Lime	98
5	Shale	103
3	Lime	106
3	Slate	109
6	Lime	45
29	Shale	144
18	Sand	162
92	Shale	254
6	Sand & Lime	260
19	Shale	279
11	Lime	290
5	Shale	295
17	Sand	312
31	Shale	343
8	Sand	351
10	Shale	361
3	Sand	364
14	Shale	378
9	Lime	387
19	Shale	406
3	Lime	409
4	Shale	413
6	Lime	419
4	Shale	423
5	Sand	428
93	Shale	521
7	Shale & Lime	528
2	Shale	530
1	Sandy Slate	531
1	Sand	532
1	Sand	533
15	Core	548
20	Shale	568
52	Sand	620

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 $BPH \times PSI \times .0004$

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-31

Farm East Goetz

KS Miami
(State) (County)

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

For Altavista Energy
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East
Louisburg, KS 66053
913-710-5400

Thickness of Strata	Formation	Total Depth	Remarks
0-14	sc. l- clay	14	
4	shale	18	
15	Lime	33	
10	shale	43	
29	Lime	72	
5	shale & slate	77	
21	Lime	98	
5	shale	103	
3	Lime	106	
3	shale	109	
6	Lime	115	Hertha
29	shale	144	
18	sand	162	no Oil
42	shale	254	
6	sand & Lime	260	no Oil
19	shale	279	
11	Lime	290	
5	shale	295	
17	sand	312	gas
31	shale	343	
8	Lime	351	
10	shale	361	
3	Lime	364	
14	shale	378	
9	Lime	387	
19	shale	406	
3	Lime	409	red bed



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 # 270627

Invoice Date: 08/28/2014 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-31
48130
NW9-18-22
8-20-14
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	78.00	11.5000	897.00
1118B	PREMIUM GEL / BENTONITE	231.00	.2200	50.82
1111	SODIUM CHLORIDE (GRANULA	164.00	.3900	63.96
1110A	KOL SEAL (50# BAG)	390.00	.4600	179.40
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

Sublet Performed	Description	Total
9996-120	CEMENT MATERIAL DISCOUNT	-357.35

Description	Hours	Unit Price	Total
369 MIN. BULK DELIVERY	1.00	368.00	368.00
503 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	593.00	.00	.00

Amount Due 3072.06 if paid after 09/07/2014

Parts:	1220.68	Freight:	.00	Tax:	66.04	AR	2687.37
Labor:	.00	Misc:	.00	Total:	2687.37		
Sublt:	-357.35	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

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

710627

TICKET NUMBER 48130
LOCATION Chanute, KS
FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8/20/14	3244	E. Goetz # A-31	WW 9	18	22	MI
CUSTOMER Altavista Energy			TRUCK #			
MAILING ADDRESS PO Box 128			DRIVER			
CITY Wellsville			TRUCK #			
STATE KS			DRIVER			
ZIP CODE 66092			TRUCK #			
			DRIVER			

JOB TYPE logstring HOLE SIZE 5 7/8" HOLE DEPTH 620' CASING SIZE & WEIGHT 2 7/8" EVE
 CASING DEPTH 593' DRILL PIPE -TUBING baffle - 562' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 3.25 bbs DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 bpm

REMARKS: held safety meeting, established circulation, mixed + pumped 100 # Premium Gel followed by 10 bbs fresh water, mixed + pumped 78 sks 50/50 Pozumix 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/ 3.25 bbs 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	593'	casing footage		—
5407	min	ton mileage		368.00
5502C	2 hrs	80 Vac		200.00
1124	78 sks	50/50 Pozumix cement	897.00	✓
118B	231 #	Premium Gel	50.82	✓
1111	164 #	Salt	63.96	✓
1110A	390 #	Kolseal	179.40	✓
		materials	1191.18	
		-30%	357.35	✓
		subtotal		838.83
4402	1	2 1/2" rubber plug		27.50
			3072.06	
			7.65%	
		SALES TAX		66.04
		ESTIMATED TOTAL		2687.37

Completed

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.