

Miami County, KS
 Well: Snouffer A-11
 Lease Owner: Altavista Energy

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

Commenced Spudding:
 8-6-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 15	Soil - Clay	15
3	Lime	18
19	Shale	37
10	Sand	47
11	Sandy Shale	58
13	Lime	71
15	Shale	86
27	Lime	113
7	Shale	120
20	Lime	140
4	Shale	144
3	Lime	147
5	Shale	152
5	Lime	157
8	Shale	165
6	Sand	171
6	Sandy Shale	177
6	Shale	183
19	Sand	202
11	Shale	213
10	Sandy Shale	223
50	Shale	273
3	Sandy Shale	276
6	Sand	282
36	Shale	318
5	Limey Sand	323
5	Sand	328
3	Limey Sand	331
1	Sand	332
19	Core	351
2	Sandy Shale	353
7	Limey Sand	360
8	Shale	368
3	Lime	371
18	Shale	389
6	Lime	395
19	Shale	414
3	Lime	417
3	Shale	420 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. A-11

Farm Snouffer

KS Miami
(State) (County)

29 16 24
(Section) (Township) (Range)

For Altavista Energy
(Well Owner)

**Town Oilfield
Services, Inc.**
1207 N. 1st East
Louisburg, KS 66053
913-710-5400

Snowflter Farm: Miami County

RS State; Well No. A-11

Elevation 936

Commenced Spuding 8-6 20 15

Finished Drilling 8-10 20 15

Driller's Name Wesley Dillard

Driller's Name _____

Driller's Name _____

Tool Dresser's Name Kyan Ward

Tool Dresser's Name _____

Tool Dresser's Name _____

Contractor's Name TOS

29 16 24

(Section) (Township) (Range)

Distance from S line, 825 ft.

Distance from E line, 515 ft.

3 sacks 10 hrs

1 core

5 5/8 borehole

2 7/8 casing

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____

8" Set _____ 8" Pulled _____

7 1/4" Set 20 6 1/4" Pulled _____

4" Set _____ 4" Pulled _____

2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
341		Set	nipple		
373.65			Baffle		
406.40			Float		
420			TD		27/8

Thickness of Strata	Formation	Total Depth	Remarks
0-15	soil-clay	15	
3	Lime	18	
19	shale	37	
10	sand	47	
11	sandy shale	58	broken - good bleed
13	Lime	71	
15	shale	86	
27	Lime	113	
7	shale	120	
20	Lime	140	
4	shale	144	
3	Lime	147	
5	shale	152	
5	Lime	157	
8	shale	165	Heather
6	sand	171	
6	sandy shale	177	broken oil
6	shale	183	
19	sand	202	
11	shale	213	gas odor - water
10	sandy shale	223	
50	shale	273	
3	sandy shale	276	
6	sand	282	
36	shale	318	mostly solid - good show
5	limy sand	323	
5	sand	328	no oil

Thickness of Strata	Formation	Total Depth	Remarks
	core		
		332	
12.5	sand	344.5	no oil
4	sand	348.5	mostly solid - poor saturation
2.5	sandy shale	351	no oil

328

Thickness of Strata	Formation	Total Depth	Remarks
3	limey sand	331	
1	sand	332	odor
19	cofc	351	page 6
2	sandy shale	353	
7	limey sand	360	broken oil
8	shale	368	
3	lime	371	
18	shale	389	
6	lime	395	
19	shale	414	
3	lime	417	
3	shale	420	TD



REMIT TO
 Consolidated Oil Well Services,LLC
 Dept:970
 P.O.Box 4346
 Houston,TX 77210-4346

MAIN OFFICE
 P.O.Box884
 Chanute,KS 66720
 620/431-9210,1-800/467-8676
 Fax 620/431-0012

Invoice Invoice# 805332

Invoice Date: 08/11/15 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC

4595 K-33 HWY, PO BOX 128
 WELLSVILLE KS 66092
 USA
 7858834057

snouffer # a-11

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	46.000	810.00
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	7.1500	46.000	115.83
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	46.000	356.40
WE0853	80 BBL Vacuum Truck (Cement Services)	2.000	100.0000	46.000	108.00
CC5840	Poz-Blend I A (50:50)	73.000	13.5000	46.000	532.17
CC5965	Bentonite	223.000	0.3000	46.000	36.13
CC5326	Sodium Chloride, Salt	153.000	0.7500	46.000	61.97
CC6077	Kolseal	365.000	0.5000	46.000	98.55
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	46.000	24.30

Subtotal	3,969.15
Discounted Amount	1,825.81
SubTotal After Discount	2,143.34

Amount Due 4,080.72 If paid after 09/10/15

Tax: 60.25
 Total: 2,203.60



CONSOLIDATED
Oil Well Services, LLC

2858
3716

TICKET NUMBER 49754
LOCATION Oklahoma, KS
FOREMAN Casa, Kennedy

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

**FIELD TICKET & TREATMENT REPORT
CEMENT**

Invoice # 805332

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8/10/15	3244	Swaffer # A-11	SW 25	16	23	MI
CUSTOMER Atlasta Energy			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS PO Box 128			729 / Casken ✓ Safety Meeting			
CITY Wellsville			467 / Keigar ✓			
STATE KS			503 / Trotter ✓			
ZIP CODE 66092			369 / Luk Hard ✓			

JOB TYPE long string HOLE SIZE 5 5/8" HOLE DEPTH 420' CASING SIZE & WEIGHT 2 7/8" EUE
CASING DEPTH 406 DRILL PIPE _____ TUBING baffle - 373 OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 33'
DISPLACEMENT 216 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 100 # Gel followed by 5 bbls fresh water, mixed & pumped 73 sks 50/50 Pozblend cement w/ 2% gel, 5% salt, + 5 # Kolsal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 2.16 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
CE0450	1	PUMP CHARGE	1500.00	
CE0002	30 mi	MILEAGE	214.50	
CE0711	min	ten mileage	660.00	
WE0853	2 hrs	80 Vac	200.00	
		trucks	2574.50	
		-46%	1184.27	
		subtotal		1390.23
CC5810	73 sks	50/50 Pozblend	985.50	
CC5965	223 #	Gel	66.90	
CC5320	153 #	Salt	114.75	
CC6077	365 #	Kolsal	182.50	
CP8176	1	2 1/2" rubber plug	45.00	
		materials	1394.65	
		-46%	1041.54	
		subtotal		753.11
		8%		60.25
		SALES TAX		60.25
		ESTIMATED TOTAL		2203.50
				(4080.72)

Havin 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.