

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

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

Commenced Spudding:  
 4-28-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 8	Soil - Clay	8
1	Lime	9
3	Clay	12
2	Shale	14
3	Lime	17
56	Shale	73
31	Lime	104
1	Shale	105
12	Lime	117
18	Shale	135
12	Lime	147
27	Shale	174
4	Lime	178
39	Shale	217
11	Lime	228
15	Shale	243
25	Lime	268
7	Shale	275
21	Lime	296
4	Shale	300
2	Lime	302
5	Shale	307
8	Lime	315
31	Shale	346
14	Sand	360
15	Sandy Shale	375
134	Shale	509
6	Lime	515
2	Shale	517
5	Lime	522
5	Shale	527
10	Lime	537
18	Shale	555
3	Lime	558
10	Shale	568
6	Lime	574
74	Shale	648
1	Lime	649
8	Shale	657
1	Sand	658





# 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 Neuvius

KS Miami  
(State) (County)

17 16 24  
(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
0-8	Soil-clay	8	
1	Lime	9	
3	clay	12	
2	Shale	14	
3	Lime	17	
56	Shale	73	
31	Lime	104	
1	Shale	105	
12	Lime	117	
18	Shale	135	
12	Lime	147	
27	Shale	174	
4	Lime	178	
39	Shale	217	
11	Lime	228	
15	Shale	243	
25	Lime	268	
7	Shale	275	
21	Lime	296	
4	Shale	300	
2	Lime	302	
5	Shale	307	
8	Lime	315	Heather
31	Shale	346	
14	Sand	360	broken - Heavy Oil
15	Sandy Shale	375	
134	Shale	509	









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# 804115

Invoice Date: 04/30/15 Terms: Net 30 Page 1

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

NEVISA # A-11

Part No	Description	Quantity	Unit Price	Discount(%)	Total
5401	Cement Pumper	1.000	1,085.0000	30.000	759.50
5406	Mileage Charge	30.000	4.2000	30.000	88.20
5402	Casing Footage	719.000	0.0000	0.000	0.00
5407	Min. Bulk Delivery Charge	1.000	368.0000	30.000	257.60
5502C	80 Vacuum Truck Cement	1.500	100.0000	30.000	105.00
1124	Poz Cement Mix	89.000	11.5000	30.000	716.45
1118B	Premium Gel / Bentonite	250.000	0.2200	30.000	38.50
1111	Sodium Chloride (Granulated Salt)	180.000	0.3900	30.000	49.14
1110A	Kol Seal (50# BAG)	445.000	0.4600	30.000	143.29
4402	2 1/2 Rubber Plug	1.000	29.5000	30.000	20.65

Subtotal 3,111.90  
 Discounted Amount 933.57  
 SubTotal After Discount 2,178.33

Amount Due 3,217.69 If paid after 05/30/15

Tax: 74.05  
 Total: 2,252.38



**CONSOLIDATED**  
Oil Well Services, LLC

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

Invoice # 80415 <sup>2777</sup>/<sub>2701</sub>

TICKET NUMBER 50967  
LOCATION Ottawa KS  
FOREMAN Fred Madu

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-29-15	3244	Neviosa # A-11	NE 17	16	24	R11
CUSTOMER			TRUCK #			
Altaivista Energy			712 / Fred Madu			
MAILING ADDRESS			495 / Har Bee			
P.O. Box 128			675 / Kai Dost			
CITY			558 / Gar Man			
Wellsville						
STATE						
KS						
ZIP CODE						
66092						

JOB TYPE Logging HOLE SIZE \_\_\_\_\_ HOLE DEPTH 740 CASING SIZE & WEIGHT 2 7/8 EUE  
 CASING DEPTH 719 DRILL PIPE Baffle in TUBING @ 687 OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 3' + Plug  
 DISPLACEMENT 4.0 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4.8 PM

REMARKS: Hold Safety Meeting. Establish pump rate. Mix & Pump 100# Gel  
Flush. Mix & Pump 0 SKS 50/50 Por Mix Cement 2% Gel 5% Salt  
5# Kol Seal/sk. Cement to surface. Flush pump & lines clean  
Displace 2 1/2" Rubber plug to Baffle. Pressure to 800# PSI.  
Release pressure to set Flood Valve. Shut in Casing.

TOS Drilling

Fred Madu

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085.00
5406	30 mi	MILEAGE	495	126.00
5402	719	Casing Footage	NIC	
5407	Minimum	Ton Miles	558	368.00
5502C	1 1/2 hr	80 BBL Vac Truck	675	150.00
		Sub Total		1729.00
		Less 30%		-518.70
				1210.30
1124	89 SKS	50/50 Por Mix Cement	1023.50	
118B	250#	Premium Gel	55.00	
111	180#	Granulated Salt	70.20	
110A	445#	Kol Seal	204.20	
4402	1	2 1/2" Rubber Plug	29.50	
		Material	1382.90	
		Less 30%	-414.87	968.03
			7.65%	74.05
			SALES TAX	74.05
			ESTIMATED	2252.38
			TOTAL	2252.38

**Completed**

Ravin 3737

AUTHORIZATION Bryan Madu TITLE \_\_\_\_\_ DATE 3/27/69

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.