

Miami County, KS
Well: Nevius A-13
Lease Owner: Altavista Energy

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

Commenced Spudding:
4-30-2015

WELL LOG

| Thickness of Strata | Formation | Total Depth |
|---------------------|-------------|-------------|
| 0 - 27 | Soil - Clay | 27 |
| 17 | Shale | 44 |
| 41 | Lime | 85 |
| 20 | Shale | 105 |
| 10 | Lime | 115 |
| 27 | Shale | 142 |
| 4 | Lime | 146 |
| 39 | Shale | 185 |
| 10 | Lime | 195 |
| 16 | Shale | 211 |
| 24 | Lime | 235 |
| 8 | Shale | 243 |
| 21 | Lime | 264 |
| 4 | Shale | 268 |
| 2 | Lime | 270 |
| 5 | Shale | 275 |
| 9 | Lime | 284 |
| 8 | Shale | 292 |
| 3 | Sand | 295 |
| 17 | Shale | 312 |
| 14 | Sand | 326 |
| 7 | Sand | 333 |
| 7 | Sandy Shale | 340 |
| 138 | Shale | 478 |
| 5 | Lime | 483 |
| 2 | Shale | 485 |
| 2 | Lime | 487 |
| 9 | Shale | 496 |
| 11 | Lime | 507 |
| 18 | Shale | 525 |
| 4 | Lime | 529 |
| 9 | Shale | 538 |
| 5 | Lime | 543 |
| 5 | Shale | 548 |
| 9 | Lime | 557 |
| 20 | Shale | 577 |
| 7 | Lime | 584 |
| 41 | Shale | 625 |
| 1 | Sand | 626 |
| 20 | Core | 646 |

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. A-13

Farm Navius

KS Miami
(State) (County)

17 16 24
(Section) (Township) (Range)

For Altos 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 |
|---------------------|-------------|-------------|-------------------|
| 0-27 | Soil-clay | 27 | |
| 17 | Shale | 44 | |
| 41 | Lime | 85 | |
| 20 | Shale | 105 | |
| 10 | Lime | 115 | |
| 27 | Shale | 142 | |
| 4 | Lime | 146 | redbed |
| 39 | Shale | 185 | |
| 10 | Lime | 195 | |
| 16 | Shale | 211 | |
| 24 | Lime | 235 | |
| 8 | Shale | 243 | |
| 21 | Lime | 264 | |
| 4 | Shale | 268 | |
| 2 | Lime | 270 | |
| 5 | Shale | 275 | |
| 9 | Lime | 284 | Mertha |
| 8 | Shale | 292 | |
| 3 | sand | 295 | |
| 17 | shale | 312 | oil show - Heavy |
| 14 | sand | 326 | |
| 7 | sand | 333 | gas |
| 7 | sandy shale | 340 | solid oil - Heavy |
| 138 | shale | 478 | |
| 5 | Lime | 483 | |
| 2 | Shale | 485 | |
| 2 | Lime | 487 | |



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# 804205

Invoice Date: 05/18/15 Terms: Net 30 Page 1

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

NEVIUS #A-13

| Part No | Description | Quantity | Unit Price | Discount(%) | Total |
|---------|--|----------|------------|-------------|--------|
| CE0450 | Cement Pump Charge 0 - 1500' | 1.000 | 1,085.0000 | 30.000 | 759.50 |
| CE0002 | Equipment Mileage Charge - Heavy Equipment | 30.000 | 4.2000 | 30.000 | 88.20 |
| CE0461 | Cement Pump Charge Below 12000' | 686.000 | 0.0000 | 0.000 | 0.00 |
| CE0711 | Minimum Cement Delivery Charge | 1.000 | 368.0000 | 30.000 | 257.60 |
| CC5840 | Poz-Blend I A (50:50) | 83.000 | 11.5000 | 30.000 | 668.15 |
| CC5965 | Bentonite | 240.000 | 0.2200 | 30.000 | 36.96 |
| CC5326 | Sodium Chloride, Salt | 168.000 | 0.3900 | 30.000 | 45.86 |
| CC6077 | Kolseal | 415.000 | 0.4600 | 30.000 | 133.63 |
| 4402 | 2 1/2 Rubber Plug | 1.000 | 29.5000 | 30.000 | 20.65 |
| WE0853 | 80 BBL Vacuum Truck (Cement Services) | 1.500 | 100.0000 | 30.000 | 105.00 |

Subtotal 3,022.22
 Discounted Amount 906.67
 SubTotal After Discount 2,115.55

Amount Due 3,121.15 If paid after 06/17/15

Tax: 69.25
 Total: 2,184.80



CONSOLIDATED
Oil Well Services, LLC

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

2837
2754

INVOICE # 804205

TICKET NUMBER 50990
LOCATION Ottawa KS
FOREMAN Fred Madur

FIELD TICKET & TREATMENT REPORT
CEMENT

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|------------------|------------|--------------------|---------|------------|---------|--------|
| 5.1.15 | 3244 | Neuvus # A-13 | NE 17 | 16 | 24 | Mi |
| CUSTOMER | | | TRUCK # | DRIVER | TRUCK # | DRIVER |
| Altavista Energy | | | 712 | Fred Madur | | |
| MAILING ADDRESS | | | 495 | Har Bee | | |
| P.O. Box 128 | | | 369 | Mik Haas | | |
| CITY | STATE | ZIP CODE | 558 | Arl Madur | | |
| Wellsville | KS | 66092 | | | | |

JOB TYPE long string HOLE SIZE 5 7/8 HOLE DEPTH 700 CASING SIZE & WEIGHT 2 7/8 EUE
 CASING DEPTH 686 DRILL PIPE Baffled TUBING @ 655 OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 3.8 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 BPM

REMARKS: Hold safety meeting & Establish pump rate. Mix + Pump
100# Gel Flush Mix + Pump 5ks 50/50 Poz 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 in
casing. Pressure to 800#. Release pressure to set float
valve. Shut in casing.

Tows Drilling

Fred Madur

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|--------------|-------------------|------------------------------------|------------|-----------------|
| 5401 | CE0450 / 1 | PUMP CHARGE | 495 | 1085.00 |
| 5406 | CE0002 / 30 mi | MILEAGE | 495 | 126.00 |
| 5402 | CE0401 / 1/8 BBL | Casing footage | | N/C |
| 5407 | CE0011 / Minimum | Ten Miles | 558 | 368.00 |
| 5502C | DE0853 / 1 1/2 hr | 80 BBL Vac Truck | 369 | 150.00 |
| | | Sub Total | | 1729.00 |
| | | Less 30% | | - 518.70 |
| | | | | 1210.30 |
| 1124 | CC5840 / 83 sks | 50/50 Poz Mix Cement | | 954.50 |
| 1118B | CC5965 / 240# | Premium Gel | | 52.00 |
| 1111 | CC5326 / 168# | Granulated Salt | | 65.52 |
| 1110A | CC6077 / 415 | Kol Seal | | 190.00 |
| 4402 | CP8176 / 1 | 2 1/2" Rubber Plug | | 29.50 |
| | | Material | | 1293.52 |
| | | Less 30% | | - 387.06 |
| | | | | 905.46 |
| | | | 7.65% | SALES TAX |
| | | | | ESTIMATED TOTAL |
| | | | | 69.25 |
| | | | | 2184.50 |
| | | | | (3121.15) |

IV completed

Revin 3737

AUTHORIZATION [Signature] TITLE _____ DATE 3.12.15

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