

Douglas County, KS
Well: Jim Bell AI-16
Lease Owner: Altavista

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

Commenced Spudding:
01/31/2014

WELL LOG

| Thickness of Strata | Formation | Total Depth |
|---------------------|-----------|-------------|
| 0-10 | soil/clay | 10 |
| 8 | lime | 18 |
| 9 | shale | 27 |
| 9 | lime | 36 |
| 130 | shale | 166 |
| 8 | lime | 174 |
| 4 | shale | 178 |
| 2 | lime | 180 |
| 4 | shale | 184 |
| 14 | lime | 198 |
| 7 | shale | 205 |
| 8 | lime | 213 |
| 7 | shale | 220 |
| 58 | lime | 278 |
| 22 | shale | 300 |
| 50 | shale | 350 |
| 21 | lime | 371 |
| 1 | shale | 372 |
| 2 | lime | 374 |
| 14 | shale | 388 |
| 10 | lime | 398 |
| 17 | shale | 415 |
| 9 | sand | 424 |
| 17 | lime | 441 |
| 3 | shale | 444 |
| 1 | lime | 445 |
| 11 | shale | 456 |
| 26 | lime | 482 |
| 6 | shale | 488 |
| 25 | lime | 513 |
| 4 | shale | 517 |
| 4 | lime | 521 |
| 3 | shale | 524 |
| 6 | lime | 530 |
| 178 | shale | 708 |
| 6 | lime | 714 |
| 6 | shale | 720 |
| 3 | lime | 723 |
| 9 | shale | 732 |
| 7 | lime | 739 |

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 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-16

Farm Jim Bell

KS Douglas
(State) (County)

36 14 20
(Section) (Township) (Range)

For Altavite 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 |
|---------------------|-----------|-------------|---------|
| 0-10 | soil-clay | 10 | |
| 8 | Lime | 18 | |
| 9 | shale | 27 | |
| 9 | Lime | 36 | |
| 130 | shale | 166 | |
| 8 | Lime | 174 | |
| 4 | shale | 178 | |
| 2 | Lime | 180 | |
| 4 | shale | 184 | |
| 14 | Lime | 198 | |
| 7 | shale | 205 | |
| 8 | Lime | 213 | |
| 7 | shale | 220 | |
| 58 | Lime | 278 | |
| 22 | shale | 300 | sandy |
| 50 | shale | 350 | |
| 21 | Lime | 371 | |
| 1 | shale | 372 | |
| 2 | Lime | 374 | |
| 14 | shale | 388 | |
| 10 | Lime | 398 | |
| 17 | shale | 415 | |
| 9 | sand | 424 | no oil |
| 17 | Lime | 441 | |
| 3 | shale | 444 | |
| 1 | Lime | 445 | |
| 11 | shale | 456 | |

456

| Thickness of Strata | Formation | Total Depth | Remarks |
|---------------------|-------------|-------------|---------|
| 26 | Lime | 462 | |
| 6 | Shale | 468 | |
| 25 | Lime | 513 | |
| 4 | Shale | 517 | |
| 4 | Lime | 521 | |
| 3 | Shale | 524 | |
| 6 | Lime | 530 | |
| 176 | Shale | 706 | Heath |
| 6 | Lime | 714 | |
| 6 | Shale | 720 | |
| 3 | Lime | 723 | |
| 9 | Shale | 732 | |
| 7 | Lime | 739 | |
| 14 | Shale | 753 | |
| 3 | Lime | 756 | |
| 11 | Shale | 767 | |
| 1 | Lime | 768 | |
| 11 | Shale | 779 | |
| 2 | Lime | 781 | |
| 20 | Shale | 801 | redbed |
| 2 | Lime | 803 | |
| 2 | Shale | 805 | |
| 1 | Lime | 806 | |
| 4 | Shale | 810 | |
| 1 | Lime | 811 | |
| 2 | Sandy shale | 813 | |
| 1 | Sand | 814 | no Oil |



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 # 265830

Invoice Date: 02/10/2014 Terms: 0/0/30,n/30

Page 1

ALTAVISTA ENERGY INC
4595 K-33 HIGHWAY
P.O. BOX 128
WELLSVILLE KS 66092
(785) 883-4057

J. BELL AI-16
42620
NW 36-14-21
02-04-2014
KS

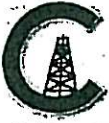
| Part Number | Description | Qty | Unit Price | Total |
|-------------|--------------------------|--------|------------|---------|
| 1124 | 50/50 POZ CEMENT MIX | 116.00 | 11.5000 | 1334.00 |
| 1118B | PREMIUM GEL / BENTONITE | 295.00 | .2200 | 64.90 |
| 1111 | SODIUM CHLORIDE (GRANULA | 224.00 | .3900 | 87.36 |
| 1110A | KOL SEAL (50# BAG) | 580.00 | .4600 | 266.80 |
| 1401 | HE 100 POLYMER | .50 | 47.2500 | 23.63 |
| 4402 | 2 1/2" RUBBER PLUG | 1.00 | 29.5000 | 29.50 |

| Description | Hours | Unit Price | Total |
|----------------------------------|--------|------------|---------|
| 369 80 BBL VACUUM TRUCK (CEMENT) | 3.00 | 90.00 | 270.00 |
| 503 MIN. BULK DELIVERY | 1.00 | 368.00 | 368.00 |
| 666 CEMENT PUMP | 1.00 | 1085.00 | 1085.00 |
| 666 EQUIPMENT MILEAGE (ONE WAY) | 20.00 | 4.20 | 84.00 |
| 666 CASING FOOTAGE | 891.00 | .00 | .00 |

=====
Parts: 1806.19 Freight: .00 Tax: 129.15 AR 3742.34
Labor: .00 Misc: .00 Total: 3742.34
Sublt: .00 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

265830

TICKET NUMBER 42620
LOCATION Ottawa
FOREMAN Alan Mader

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 |
|---------------------------------|------------|--------------------|---------|----------|-------|--------|
| 2-11-14 | 3244 | J Bell AT-16 | NW 36 | 14 | 21 | DG |
| CUSTOMER Allquista Energy | | | TRUCK # | | | |
| MAILING ADDRESS P.O. Box 128 | | | DRIVER | | | |
| CITY Wellsville, KS | | | TRUCK # | | | |
| STATE KS | | | DRIVER | | | |
| ZIP CODE 66092 | | | TRUCK # | | | |
| | | | DRIVER | | | |

JOB TYPE long string HOLE SIZE 5 5/8 HOLE DEPTH 920 CASING SIZE & WEIGHT 2 7/8
CASING DEPTH 891 DRILL PIPE _____ TUBING _____ OTHER baffle 860
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING yes
DISPLACEMENT _____ DISPLACEMENT PSI 800 MIX PSI 200 RATE 46 in

REMARKS: Held meeting. Established ratedown casing. Mixed & pumped 1/2 gal polymer. Circulated into clean pit to condition well. Mixed & pumped 100# gel followed by 116 sk 50/50 cement plus 2 7/8 gal 5% salt, 5# Kolseal per sack. Circulated cement. Plugged pump. Pumped plug to baffle. Well held 800 PSI. Set float. closed valve.

TD3, was

Alan Mader

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL | |
|------------------|-------------------|------------------------------------|------------|-----------|-----------|
| 5401 | 1 | PUMP CHARGE | 666 | 1085.00 ✓ | |
| 5406 | 20 | MILEAGE | 666 | 845.00 ✓ | |
| 5402 | 891' | Casing footage | 666 | 591.21 ✓ | |
| 5407 | min | ten miles | 323 | 368.00 ✓ | |
| 5502C | 3 hr | 80 vac | 369 | 270.00 ✓ | |
| 1124 | 116 | 50/50 cement | | 1334.00 ✓ | |
| 118B | 295 # | gel | | 64.90 ✓ | |
| 111 | 224 # | salt | | 87.36 ✓ | |
| 110A | 380 # | Kolseal | | 266.88 ✓ | |
| 5407 | 1/2 gal | polymer | | 23.63 ✓ | |
| 5402 | 1 | 2 1/2 plug | | 29.50 ✓ | |
| completed | | | | SALES TAX | 129.15 ✓ |
| | | | | ESTIMATED | |
| | | | | TOTAL | 3742.34 ✓ |

AUTHORIZATION [Signature] 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.