

Douglas County, KS
Well: Jim Bell A-8
Lease Owner:Altavista

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

Commenced Spudding:
12-16-2013

WELL LOG

| Thickness of Strata | Formation | Total Depth |
|---------------------|-----------|-------------|
| 0-12 | soil/clay | 12 |
| 12 | shale | 24 |
| 2 | lime | 26 |
| 11 | shale | 37 |
| 3 | lime | 40 |
| 135 | shale | 175 |
| 8 | lime | 183 |
| 4 | shale | 187 |
| 19 | lime | 206 |
| 7 | shale | 213 |
| 8 | lime | 221 |
| 6 | shale | 227 |
| 58 | lime | 285 |
| 73 | shale | 358 |
| 23 | lime | 381 |
| 18 | shale | 399 |
| 7 | lime | 406 |
| 15 | shale | 421 |
| 9 | sand | 430 |
| 19 | lime | 449 |
| 16 | shale | 465 |
| 24 | lime | 489 |
| 7 | shale | 496 |
| 25 | lime | 521 |
| 3 | shale | 524 |
| 5 | lime | 529 |
| 4 | shale | 533 |
| 5 | lime | 538 |
| 177 | shale | 715 |
| 7 | lime | 722 |
| 5 | shale | 727 |
| 5 | lime | 732 |
| 7 | shale | 739 |
| 9 | lime | 748 |
| 13 | shale | 761 |
| 3 | lime | 764 |
| 9 | shale | 773 |
| 2 | lime | 775 |
| 11 | shale | 786 |
| 2 | lime | 788 |

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. A-8

Farm Jim Bell

KS Douglas
(State) (County)

1 15 20
(Section) (Township) (Range)

For Altavista Energy inc
(Well Owner)

Town Oilfield Services, Inc.

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

Jim Bell Farm: Douglas County

KS State; Well No. A-8

Elevation 1046

Commenced Spuding Dec 16 2013

Finished Drilling Dec 17 2013

Driller's Name Wesley Dollard

Driller's Name

Driller's Name

Tool Dresser's Name Greg Perry

Tool Dresser's Name Ryan Ward

Tool Dresser's Name

Contractor's Name TOS

1 15 20

(Section) (Township) (Range)
Distance from S line, 5115 ft.
Distance from E line, 5115 ft.

8 sacks
9 hrs

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____
8" Set _____ 8" Pulled _____
7 1/2" Set 46 6 1/4" Pulled _____
4" Set _____ 4" Pulled _____
2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Table with 6 columns: Feet, In., Feet, In., Feet, In. Handwritten entries include 819.10, 850.65, 882.15, and 2 7/8.

| Thickness of Strata | Formation | Total Depth | Remarks |
|---------------------|-----------|-------------|---------|
| 0-12 | soil-clay | 12 | |
| 12 | shale | 24 | |
| 2 | lime | 26 | |
| 11 | shale | 37 | |
| 3 | lime | 40 | |
| 135 | shale | 175 | |
| 8 | lime | 183 | |
| 4 | shale | 187 | |
| 19 | lime | 206 | |
| 7 | shale | 213 | |
| 8 | lime | 221 | |
| 6 | shale | 227 | |
| 58 | lime | 285 | |
| 73 | shale | 358 | |
| 23 | lime | 381 | |
| 18 | shale | 399 | |
| 7 | lime | 406 | |
| 15 | shale | 421 | |
| 9 | sand | 430 | no oil |
| 19 | lime | 449 | |
| 16 | shale | 465 | |
| 24 | lime | 489 | |
| 7 | shale | 496 | |
| 25 | lime | 521 | |
| 3 | shale | 524 | |
| 5 | lime | 529 | |
| 4 | shale | 533 | |



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 # 264871

Invoice Date: 12/19/2013 Terms: 0/0/30,n/30

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

JIM BELL A-8
44925
NW 1-15-20
12-17-2013
KS

| Part Number | Description | Qty | Unit Price | Total |
|-------------|------------------------------|--------|------------|---------|
| 1124 | 50/50 POZ CEMENT MIX | 125.00 | 11.5000 | 1437.50 |
| 1118B | PREMIUM GEL / BENTONITE | 410.00 | .2200 | 90.20 |
| 1111 | SODIUM CHLORIDE (GRANULA | 242.00 | .3900 | 94.38 |
| 1110A | KOL SEAL (50# BAG) | 625.00 | .4600 | 287.50 |
| 4402 | 2 1/2" RUBBER PLUG | 1.00 | 29.5000 | 29.50 |
| Description | | Hours | Unit Price | Total |
| 558 | MIN. BULK DELIVERY | 1.00 | 368.00 | 368.00 |
| 675 | 80 BBL VACUUM TRUCK (CEMENT) | 2.00 | 90.00 | 180.00 |
| 57 | CEMENT PUMP | 1.00 | 1085.00 | 1085.00 |
| 57 | EQUIPMENT MILEAGE (ONE WAY) | 20.00 | 4.20 | 84.00 |
| 57 | CASING FOOTAGE | 882.00 | .00 | .00 |

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Parts: 1939.08 Freight: .00 Tax: 138.65 AR 3794.73
Labor: .00 Misc: .00 Total: 3794.73
Sublt: .00 Supplies: .00 Change: .00
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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

