

Douglas County, KS  
Well: Jim Bell A-15  
Lease Owner: Altavista

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

Commenced Spudding:  
01/22/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-23	soil/clay	23
6	lime	29
9	shale	38
3	lime	41
134	shale	175
8	lime	183
5	shale	188
2	lime	190
3	shale	193
14	lime	207
7	shale	214
8	lime	222
5	shale	227
59	lime	286
20	sandy shale	306
54	shale	360
23	lime	383
19	shale	402
7	lime	409
14	shale	423
11	sand	434
18	lime	452
14	shale	466
25	lime	491
6	shale	497
25	lime	522
4	shale	526
3	lime	529
4	shale	533
6	lime	539
180	shale	719
7	lime	726
5	shale	731
6	lime	737
4	shale	741
9	lime	750
15	shale	765
5	lime	770
7	shale	777
9	lime	786



# 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  $BPH \times PSI \times .0004$

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-15

Farm Jim Bell

KS Douglas  
(State) (County)

36 14 20  
(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
0-23	soil - clay	23	
6	Lime	29	
9	shale	38	
3	Lime	41	
134	shale	175	
8	Lime	183	
5	shale	188	
2	Lime	190	
3	shale	193	
14	Lime	207	
7	shale	214	
8	Lime	222	
5	shale	227	
59	Lime	286	shells
20	sandy shale	306	
54	shale	360	
23	Lime	383	
19	shale	402	
7	Lime	409	
14	shale	423	
11	sand	434	no oil
18	Lime	452	
14	shale	466	
25	Lime	491	
6	shale	497	
25	Lime	522	
4	shale	526	

526

Thickness of Strata	Formation	Total Depth	Remarks
3	Lime	529	
4	Shale	533	
6	Lime	539	
150	Shale	719	Heath
7	Lime	726	
5	Shale	731	
6	Lime	737	
4	Shale	741	
9	Lime	750	
15	Shale	765	
5	Lime	770	
7	Shale	777	
9	Lime	786	
20	Shale	806	
1	Lime	807	
3	Shale	810	
1	Lime	811	
5	Shale	816	
1	Lime	817	
1	Shale	818	
1	Sand	819	no oil
2	Sand	821	broken - 10% oil
5	Sand	826	solid oil
5	Sand	831	mostly solid
2	Sand	833	broken - 5% oil
2	Sand	835	no oil
65	Sandy Shale	900	TD



**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 # 265649

Invoice Date: 01/29/2014 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

J. BELL A-15  
44996  
SW 36-14-20  
01-25-2014  
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	128.00	11.5000	1472.00
1118B	PREMIUM GEL / BENTONITE	415.00	.2200	91.30
1111	SODIUM CHLORIDE (GRANULA	247.00	.3900	96.33
1110A	KOL SEAL (50# BAG)	640.00	.4600	294.40
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

Description	Hours	Unit Price	Total
370 80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00
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	880.00	.00	.00

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Parts: 1983.53 Freight: .00 Tax: 141.83 AR 3842.36  
Labor: .00 Misc: .00 Total: 3842.36  
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

