

Douglas County, KS  
Well: Jim Bell A-10  
Lease Owner: Altavista

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

Commenced Spudding:  
12/13/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-21	soil-clay	21
2	lime	23
8	shale	31
4	lime	35
135	shale	170
8	lime	178
8	shale	186
14	lime	200
8	shale	208
7	lime	215
6	shale	221
39	lime	2630
4	shale	264
19	lime	283
72	shale	355
22	lime	377
17	shale	394
7	lime	401
15	shale	416
9	sand	425
20	lime	445
3	shale	448
2	lime	450
10	shale	460
25	lime	485
6	shale	491
25	lime	516
4	shale	520
4	lime	524
4	shale	528
5	lime	533
173	shale	706
8	lime	714
6	shale	720
5	lime	725
5	shale	730
7	lime	737
14	shale	751
5	lime	756
8	shale	764



# 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-10

Farm Jim Bell

KS  
(State)

Douglas  
(County)

1  
(Section)

15  
(Township)

20  
(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-10  
Elevation 1045  
Commenced Spuding Dec 13 2013  
Finished Drilling Dec 16 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, 4785 ft.  
Distance from E line, 4785 ft.

8 sacks  
8 hrs

### CASING AND TUBING RECORD

10" Set \_\_\_\_\_ 10" Pulled \_\_\_\_\_  
8" Set \_\_\_\_\_ 8" Pulled \_\_\_\_\_  
7 5/8" Set 45 6 1/4" Pulled \_\_\_\_\_  
4" Set \_\_\_\_\_ 4" Pulled \_\_\_\_\_  
2" Set \_\_\_\_\_ 2" Pulled \_\_\_\_\_

### CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
804.	90	Seat nipple			
836.40		Baffle			
867.90		Float			
					2 7/8

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7	Lime	215	
6	shale	221	
39	Lime	260	
4	shale	264	
19	Lime	283	
72	shale	355	
22	Lime	377	
17	shale	394	
7	Lime	401	
15	shale	416	
9	sand	425	no oil
20	Lime	445	
3	shale	448	
2	Lime	450	
10	shale	460	
25	Lime	485	
6	shale	491	
25	Lime	516	

516

Thickness of Strata	Formation	Total Depth	Remarks
4	Shale	520	
4	Lime	524	
4	Shale	528	
5	Lime	533	Heath
173	Shale	706	
8	Lime	714	
6	Shale	720	
5	Lime	725	
5	Shale	730	
7	Lime	737	
14	Shale	751	
5	Lime	756	
8	Shale	764	
8	sandy Lime	772	color - slight show
5	Lime	777	
14	Shale	791	
2	Lime	793	
2	shale	800	
1	Lime	801	
5	Shale	806	
3	sand	809	broken - 10%
5	sand	814	mostly solid - poor saturation
1	sandy Lime	815	no Oil
6	sand	821	mostly solid - OK show
79	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 # 264812

Invoice Date: 12/17/2013 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-10  
44959  
SE 11-15-20  
12-16-2013  
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	121.00	11.5000	1391.50
1118B	PREMIUM GEL / BENTONITE	304.00	.2200	66.88
1111	SODIUM CHLORIDE (GRANULA	234.00	.3900	91.26
1110A	KOL SEAL (50# BAG)	605.00	.4600	278.30
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50
Description		Hours	Unit Price	Total
369	80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00
495	CEMENT PUMP	1.00	1085.00	1085.00
495	EQUIPMENT MILEAGE (ONE WAY)	25.00	4.20	105.00
495	CASING FOOTAGE	867.00	.00	.00
558	MIN. BULK DELIVERY	1.00	368.00	368.00

Parts: 1857.44 Freight: .00 Tax: 132.81 AR 3728.25  
 Labor: .00 Misc: .00 Total: 3728.25  
 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

264812

TICKET NUMBER 44959

LOCATION Ottawa KS

FOREMAN Fred Maden

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
12-16-13	3244	Jim Bell # A-10	SE #1	15	20	D6
CUSTOMER <u>Alta Vista Energy Inc</u>		TRUCK #		DRIVER	TRUCK #	DRIVER
MAILING ADDRESS <u>P.O. Box 128</u>		712		Fred Maden		
CITY <u>Wellsville</u>		495		Harber		
STATE <u>KS</u>		369		DerMas		
ZIP CODE <u>66092</u>		558		Max Coc		

JOB TYPE long string HOLE SIZE 5 7/8 HOLE DEPTH 900' CASING SIZE & WEIGHT 2 7/8 EUE  
 CASING DEPTH 867' DRILL PIPE 3 Baffle in TUBING @ 8 3/4 OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 31' Plug  
 DISPLACEMENT 4.86 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5 BPM

REMARKS: Hold crew safety meeting. Establish pump rate. Mix Pump 100# Gel Flush. Mix Pump 121 sks 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# PSI. Release pressure to set float valve. Shut in casing.

TOO Drilling - Wesley

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085 <sup>00</sup>
5406	25 mi	MILEAGE	495	105 <sup>00</sup>
5402	867	Casing Footage		N/C
5407	Minimum	Tax Miles	558	368 <sup>09</sup>
5522C	2 hrs	80 bbl Vac Truck	369	180 <sup>00</sup>
1124	121 sks	50/50 Poz Mix Cement		1391 <sup>50</sup>
1118B	304#	Premium Gel		66 <sup>88</sup>
1111	234#	Granulated Salt		91 <sup>26</sup>
1110A	605#	Kol Seal		278 <sup>30</sup>
4402	1	2 1/2" Rubber Plug		29 <sup>50</sup>
			7.15%	SALES TAX
				ESTIMATED TOTAL
				132 <sup>81</sup>
				3728 <sup>25</sup>

**completed**

AUTHORIZATION Bryan Mills 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.