

Douglas County, KS
 Well: Jim Bell A 11
 Lease Owner: Altavista

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

Commenced Spudding:
 12-10-2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-13	soil/clay	13
2	lime	15
10	shale	25
25	sandy shale	50
113	shale	163
9*	lime	172
3	shale	175
18	lime	193
8	shale	201
7	lime	208
6	shale	214
401	lime	254
4	shale	258
18	lime	276
6	shale	282
69	sandy shale	351
22	lime	373
18	shale	391
8	lime	399
13	shale	412
9	sandy shale	421
20	lime	441
16	shale	457
25	lime	482
6	shale	488
24	lime	512
4	shale	516
4	lime	5820
4	shale	524
6	lime	530
174	shale	704
7	lime	711
6	shale	717
7	lime	724
5	shale	729
7	lime	736
14	shale	750
4	lime	754
4	shale	758
4	lime	762

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 $BPH \times PSI \times .0004$

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-11

Farm Jim Bell

KS Douglas
(State) (County)

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

For Altavista Energy
(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-11

Elevation 1636

Commenced Spudding Dec 10 20 13

Finished Drilling Dec 11 20 13

Driller's Name Wesley Dollard

Driller's Name _____

Driller's Name _____

Tool Dresser's Name Greg Pearly

Tool Dresser's Name Ryan Wood

Tool Dresser's Name _____

Contractor's Name TOS
1 15 20

(Section) (Township) (Range)
Distance from S line, 4455 ft.

Distance from E line, 5115 ft.

8 sacks
9 hrs

**CASING AND TUBING
RECORD**

10" Set _____ 10" Pulled _____
8" Set _____ 8" Pulled _____
7 1/4" Set 45 6 1/4" Pulled _____
4" Set _____ 4" Pulled _____
2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
807.	90	Seat	nipple		
838.	65	Ball	1/2"		
870.	15	Float			2 7/8"

Thickness of Strata	Formation	Total Depth	Remarks
0-13	Soil-clay	13	
2	Lime	15	
10	shale	25	
25	sandy shale	50	
113	shale	163	
9	Lime	172	
3	shale	175	
18	Lime	193	
8	shale	201	
7	Lime	208	
6	shale	214	
40	Lime	254	shells
4	shale	258	
18	Lime	276	
6	shale	282	
69	sandy shale	351	some sand - no oil
22	Lime	373	
18	shale	391	
8	Lime	399	
13	shale	412	
9	sand	421	no oil
20	Lime	441	
16	shale	457	
25	Lime	482	
6	shale	488	
24	Lime	512	
4	shale	516	

516

Thickness of Strata	Formation	Total Depth	Remarks
4	Lime	520	
4	Shale	524	
6	Lime	530	
174	Shale	704	Heitha
7	Lime	711	
6	Shale	717	
7	Lime	724	
5	Shale	729	
7	Lime	736	
14	Shale	750	
4	Lime	754	
4	Shale	758	
4	Lime	762	
3	Shale	765	
5	Lime	770	
4	Shale	774	
2	Lime	776	
22	Shale	798	
3	Shale & Lime	801	
1	Lime	802	
5	Shale	807	
2	Sandy Shale	809	
1	Sand	810	broken - Oil
1	Sandy Lime	811	no Oil
11	Sand	822	broken - Oil
78	Sandy Shale	900	OK - Heed TID



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 # 264707

Invoice Date: 12/13/2013 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

JIM BELL #11
44945
NW 1-15-20
12-11-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	112.00	11.5000	1288.00
1118B	PREMIUM GEL / BENTONITE	288.00	.2200	63.36
1111	SODIUM CHLORIDE (GRANULA	216.00	.3900	84.24
1110A	KOL SEAL (50# BAG)	560.00	.4600	257.60
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

Description	Hours	Unit Price	Total
368 CEMENT PUMP	1.00	1085.00	1085.00
368 EQUIPMENT MILEAGE (ONE WAY)	20.00	4.20	84.00
368 CASING FOOTAGE	870.00	.00	.00
369 80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00
548 MIN. BULK DELIVERY	1.00	368.00	368.00

Parts: 1722.70 Freight: .00 Tax: 123.17 AR 3562.87
 Labor: .00 Misc: .00 Total: 3562.87
 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

264707

TICKET NUMBER 44945

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
12-11-13	3244	Jim Bell # 11	NW 1	15	20	DG
CUSTOMER <u>Altavista Energy</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS <u>P.O. Box 128</u>			730	Alamad	Safety	Meat
CITY <u>Wellsville</u>			368	Art McD		
STATE <u>KS</u>			369	Kei Car		
ZIP CODE <u>66092</u>			548	Mik Has		
JOB TYPE <u>long string</u>	HOLE SIZE <u>5 5/8</u>	HOLE DEPTH <u>900</u>	CASING SIZE & WEIGHT <u>2 7/8</u>			
CASING DEPTH <u>870</u>	DRILL PIPE	TUBING	OTHER <u>840</u>			
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING <u>yes</u>			
DISPLACEMENT <u>4.9</u>	DISPLACEMENT PSI <u>800</u>	MIX PSI <u>200</u>	RATE <u>4 bpm</u>			
REMARKS: <u>Held meeting. Established rate down casing. Mixed & pumped 100# gel to flush hole followed by 112 sk 50150 cement plus 290 gal, 370 salt, 5# kolseal per sack. Circulated cement. Flushed pump. Pumped plug to baffle. Well held 800 PSI. Set float. Closed valve.</u>						

T.O.S. Wes

Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368	1085.00
5406	20	MILEAGE	368	84.00
5402	870	casing footage	368	
5407	mi	ten miles	348	368.00
5502L	2	80 vac	369	180.00
1124	112	50150 cement		1288.00
1193	288 #	gel		63.36
1111	216 #	salt		84.24
1104	560 #	kolseal		257.60
4402	1	2 1/2 plug		29.50
SCANNED				
SALES TAX				123.17
ESTIMATED TOTAL				3562.87

Ravin 3737

AUTHORIZATION Bryan Miller 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