

Douglas County, KS
Well: Jim Bell A-17
Lease Owner: Altavista

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

Commenced Spudding:
01/30/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-34	soil/clay	34
2	lime	36
13	shale	49
5	lime	54
131	shale	185
6	lime	191
10	shale	201
14	lime	215
8	shale	223
9	lime	232
7	shale	239
56	lime	295
19	sandy shale	314
55	shale	369
24	lime	393
18	shale	411
7	lime	418
16	shale	434
8	sand	442
18	lime	460
16	shale	476
25	lime	501
6	shale	807
24	lime	531
4	shale	535
4	lime	539
4	shale	543
5	lime	548
179	shale	727
7	lime	734
4	shale	738
4	lime	742
8	shale	750
10	lime	760
11	shale	771
3	lime	774
7	shale	781
4	sandy lime	785
3	shale	788
3	lime	791

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 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 - $\sqrt{SPM \times R \times D}$ 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-17

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

Sim Bell Farm: Douglas County
KS State; Well No. A-17

Elevation 1056

Commenced Spuding Jan 30 2014

Finished Drilling Jan 31 2014

Driller's Name Wesley DeKard

Driller's Name _____

Driller's Name _____

Tool Dresser's Name Ryan Ward

Tool Dresser's Name Stephen Scott

Tool Dresser's Name _____

Contractor's Name TOS
36 14 20

(Section) (Township) (Range)
 Distance from S line, 495 ft.
 Distance from E line, 515 ft.

8 sacks
 8 hrs

**CASING AND TUBING
 RECORD**

10" Set _____ 10" Pulled _____
 8" Set _____ 8" Pulled _____
 7 3/4" Set 44 6 1/4" Pulled _____
 4" Set _____ 4" Pulled _____
 2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
830.95		Seat nipple			
863		Baffle			
894.15		Floater			
					2 7/8

Thickness of Strata	Formation	Total Depth	Remarks
0-34	soil - clay	34	
2	Lime	36	
13	Shale	49	
5	Lime	54	
131	shale	185	
6	Lime	191	
10	shale	201	
14	Lime	215	
8	shale	223	
9	Lime	232	
7	shale	239	
56	Lime	295	shells
19	sandy shale	314	some sand - no oil
55	shale	369	
24	Lime	393	
18	shale	411	
7	Lime	418	
16	shale	434	
8	sand	442	no oil
18	Lime	460	
16	shale	476	
25	Lime	501	
6	shale	507	
24	Lime	531	
4	shale	535	
4	Lime	539	
4	shale	543	

543

Thickness of Strata	Formation	Total Depth	Remarks
5	Lime	548	Heathy
179	Shale	727	
7	Lime	734	
4	Shale	738	
4	Lime	742	
8	Shale	750	
10	Lime	760	
11	Shale	771	
3	Lime	774	
7	Shale	781	
4	sandy Lime	785	
3	Shale	788	
3	Lime	791	
5	Shale	796	
1	Lime	797	
21	Shale	818	redbed
2	Lime	820	
2	Shale	822	
2	Lime	824	
4	Shale	828	
3	sandy shale	831	
1	Sand	832	no Oil
8	Sand	840	broken - 75% Oil
2	Sand	842	no Oil
18	sandy shale	860	
60	Shale	920	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 # 265800

Invoice Date: 01/31/2014 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-17
42541
SW 36-14-20
01-31-2014
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	134.00	11.5000	1541.00
1118B	PREMIUM GEL / BENTONITE	425.00	.2200	93.50
1111	SODIUM CHLORIDE (GRANULA	259.00	.3900	101.01
1110A	KOL SEAL (50# BAG)	670.00	.4600	308.20
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
503 MIN. BULK DELIVERY	1.00	368.00	368.00
666 CEMENT PUMP	1.00	1085.00	1085.00
666 EQUIPMENT MILEAGE (ONE WAY)	.00	4.20	.00
666 CASING FOOTAGE	894.00	.00	.00

Parts:	2073.21	Freight:	.00	Tax:	148.24	AR	3854.45
Labor:	.00	Misc:	.00	Total:	3854.45		
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

265800

TICKET NUMBER 42541
LOCATION Ottawa, KS
FOREMAN Casey Kennedy

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
11/31/14	3244	J. Bell # A-17	Sw 36	14	20	DG
CUSTOMER Alta Vista Energy			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS PO Box 128			729	Casey Ken	✓ Safety Meeting	
CITY Wellsville			6666	Gardner	✓	
STATE KS			503	Fred Mac	✓	
ZIP CODE 66092			369	Jas Ric	✓	

JOB TYPE Logging HOLE SIZE 5 5/8" HOLE DEPTH 920' CASING SIZE & WEIGHT 2 7/8" EUE
CASING DEPTH 894' DRILL PIPE _____ TUBING baffle - 8 6/8" OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 31'
DISPLACEMENT 5.00 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 bpm

REMARKS: held safety meeting, established circulation, mixed + pumped 200 # Premium Gel followed by 10 bbls fresh water, mixed + pumped 134 sks 50/50 Pozmix cement w/ 2% gel, 5% salt, + 5 # Kolseal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 5 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

Casey Kennedy

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00 ✓
5406	on lease	MILEAGE		_____ ✓
5402	894'	casing footage		_____ ✓
5407	minimum	for mileage		368.00 ✓
5502C	2 hrs	80 Uac		180.00 ✓
1124	134 sks	50/50 Pozmix cement		1541.00 ✓
1118B	425 #	Premium Gel		93.50 ✓
1111	259 #	Salt		101.01 ✓
1110A	670 #	Kolseal		308.20 ✓
4402	1	2 1/2" rubber plug		29.50 ✓
			completed	
			7.15%	SALES TAX 148.24 ✓
				ESTIMATED TOTAL 3854.45 ✓

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.