

Douglas County, KS
Well: Jim Bell AI-14
Lease Owner: Altavista

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

Commenced Spudding:
02/12/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-31	soil/clay	31
3	lime	34
8	shale	42
6	lime	48
133	shale	181
9	lime	190
4	shale	194
18	lime	212
8	shale	220
7	lime	227
8	shale	235
57	lime	292
25	shale	317
49	shale	366
24	lime	390
16	shale	406
7	lime	413
19	shale	432
4	sand	436
21	lime	457
15	shale	472
24	lime	496
7	shale	503
24	lime	527
5	shale	532
3	lime	535
4	shale	539
6	lime	545
178	shale	723
5	lime	728
6	shale	734
5	lime	739
9	shale	748
8	lime	756
16	shale	772
4	lime	776
10	shale	786
4	lime	790
20	shale	810
2	lime	812

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. AI-14

Farm Jim Bell

KS
(State)

Douglas
(County)

36
(Section)

14
(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. A1-14

Elevation 1058

Commenced Spuding Feb 12, 2014

Finished Drilling Feb 13, 2014

Driller's Name Wesley Dollard

Driller's Name Jeff TOWN

Driller's Name

Tool Dresser's Name Greg Perry

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

36 14 20

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

Distance from E line, 4785 ft.

9 sacks

8 hrs

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____
8" Set _____ 8" Pulled _____
7 1/2" Set 44 6 1/2" 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 882.75, 914.30, and 2 7/8.

Thickness of Strata	Formation	Total Depth	Remarks
0-31	soil-clay	31	
3	Lime	34	
8	Shale	42	
6	Lime	48	
133	Shale	181	
9	Lime	190	
4	Shale	194	
18	Lime	212	
8	Shale	220	
7	Lime	227	
8	Shale	235	
57	Lime	292	
25	Shale	317	
49	Shale	366	sandy
24	Lime	390	
16	Shale	406	
7	Lime	413	
19	Shale	432	
4	sand	436	no oil
21	Lime	457	
15	Shale	472	
24	Lime	496	
7	Shale	503	
24	Lime	527	
5	Shale	532	
3	Lime	535	
4	Shale	539	

539

Thickness of Strata	Formation	Total Depth	Remarks	
6	Lime	545	Healthy	
178	Shale	723		
5	Lime	728		
6	Shale	734		
5	Lime	739		
9	Shale	748		
8	Lime	756		
16	Shale	772		
4	Lime	776		
10	Shale	786		
4	Lime	790	redbed	
20	Shale	810		
2	Lime	812		
2	Shale	814		
1	Lime	815		
5	Shale	820		
1	sandy shale & lime	821		
1	sandy shale	822		
5	sand	827		no oil
2	sandy lime	829		broken - OK show
8	sand	837	no oil	
103	sandy shale	940	mostly solid - good show 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 # 265993

Invoice Date: 02/18/2014 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 AI-14
42637
SW 36-14-20
02-13-2014
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	128.00	11.5000	1472.00
1118B	PREMIUM GEL / BENTONITE	315.00	.2200	69.30
1111	SODIUM CHLORIDE (GRANULA	269.00	.3900	104.91
1110A	KOL SEAL (50# BAG)	640.00	.4600	294.40
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50
1401	HE 100 POLYMER	.50	47.2500	23.63

Description	Hours	Unit Price	Total
495 CEMENT PUMP	1.00	1085.00	1085.00
495 EQUIPMENT MILEAGE (ONE WAY)	20.00	4.20	84.00
495 CASING FOOTAGE	914.00	.00	.00
548 MIN. BULK DELIVERY	1.00	368.00	368.00
675 80 BBL VACUUM TRUCK (CEMENT)	2.50	90.00	225.00

Parts: 1993.74 Freight: .00 Tax: 142.56 AR 3898.30
Labor: .00 Misc: .00 Total: 3898.30
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

