

Douglas County, KS
 Well: Jim Bell AI-12
 Lease Owner: AltaVista

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

Commenced Spudding:
 1/25/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-15	Soil-Clay	15
16	Sandy Shale	31
3	Lime	34
7	Shale	41
8	Lime	49
131	Shale	180
7	Lime	187
4	Shale	191
1	Lime	192
5	Shale	197
12	Lime	209
8	Shale	217
8	Lime	225
5	Shale	230
63	Lime	293
20	Sandy Shale	313
51	Shale	364
23	Lime	387
18	Shale	405
7	Lime	412
10	Shale	422
14	Sand	436
17	Lime	453
18	Shale	471
24	Lime	495
7	Shale	502
25	Lime	527
4	Shale	531
5	Lime	536
4	Shale	540
5	Lime	545
172	Shale	717
6	Lime	723
5	Shale	728
4	Lime	732
9	Shale	741
8	Lime	749
13	Shale	762
4	Lime	766
5	Shale	771

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-12

Farm Jim Bell

KS Douglas
(State) (County)

36 14 20
(Section) (Township) (Range)

For Allavista 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
0-15	soil-clay	15	
16	sandy shale	31	
3	Lime	34	
7	Shale	41	
8	Lime	49	
131	shale	180	
7	Lime	187	
4	shale	191	
1	Lime	192	
5	Shale	197	
12	Lime	209	
8	Shale	217	
8	Lime	225	
5	Shale	230	
63	Lime	293	shells
20	sandy shale	313	
51	Shale	364	
23	Lime	387	
18	Shale	405	
7	Lime	412	
10	Shale	422	
14	sand	436	no oil
17	Lime	453	
18	shale	471	
24	Lime	495	
7	Shale	502	
25	Lime	527	

527

Thickness of Strata	Formation	Total Depth	Remarks
4	Shale	531	
5	Lime	536	
4	Shale	540	
5	Lime	545	Heitha
172	Shale	717	
6	Lime	723	
5	Shale	728	
4	Lime	732	
9	Shale	741	
8	Lime	749	
13	Shale	762	
4	Lime	766	
5	Shale	771	
3	Lime	774	
10	Shale	784	
1	Lime	785	
21	Shale	806	
1	Lime	807	
2	Shale	809	
2	Lime	811	
4	Shale	815	
2	Sandy shale	817	color - no oil
1	Sandy Lime	818	no oil
8	Sand	826	mostly solid - good show
5	Sand	831	broken - 75% oil
89	Sandy 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 # 265721

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

JIM BELL AI-12
42583
SW 36-14-20
01-29-2014
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	126.00	11.5000	1449.00
1118B	PREMIUM GEL / BENTONITE	312.00	.2200	68.64
1111	SODIUM CHLORIDE (GRANULA	244.00	.3900	95.16
1110A	KOL SEAL (50# BAG)	630.00	.4600	289.80
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
495	CEMENT PUMP	1.00	1085.00	1085.00
495	EQUIPMENT MILEAGE (ONE WAY)	25.00	4.20	105.00
495	CASING FOOTAGE	905.00	.00	.00
503	MIN. BULK DELIVERY	1.00	368.00	368.00

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Parts: 1932.10 Freight: .00 Tax: 138.14 AR 3808.24
Labor: .00 Misc: .00 Total: 3808.24
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

