

Douglas County, KS
 Well: Jime Bell AI-13
 Lease Owner:AltaVista

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

Commenced Spudding:
 2/4/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-42	Soil-Clay	42
4	Lime	46
8	Shale	54
4	Lime	58
134	Shale	192
8	Lime	200
4	Shale	204
2	Lime	206
3	Shale	209
15	Lime	224
7	Shale	231
6	Lime	237
7	Shale	244
58	Lime	302
22	Shale	324
51	Shale	375
24	Lime	399
16	Shale	415
8	Lime	423
15	Shale	438
7	Sand	445
19	Lime	464
15	Shale	479
27	Lime	506
7	Shale	513
22	Lime	535
4	Shale	539
5	Lime	544
3	Shale	547
5	Lime	552
178	Shale	730
5	Lime	735
5	Shale	740
4	Lime	744
8	Shale	752
7	Lime	759
15	Shale	774
3	Lime	777
7	Shale	784
2	Lime	786

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 - $SPM \times R \times D$ 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-13

Farm Jim Bell

KS Douglas
(State) (County)

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

For Altavista Energy
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Thickness of Strata	Formation	Total Depth	Remarks
0-42	soil - clay	42	
4	Lime	46	
8	Shale	54	
4	Lime	58	
134	Shale	192	
8	Lime	200	
4	Shale	204	
2	Lime	206	
3	Shale	209	
15	Lime	224	
7	Shale	231	
6	Lime	237	
7	Shale	244	
58	Lime	302	Shells
22	Shale	324	Sandy
51	Shale	375	
24	Lime	399	
16	Shale	415	
8	Lime	423	
.15	Shale	438	
7	sand	445	no oil
19	Lime	464	
15	Shale	479	
27	Lime	506	
7	Shale	513	
22	Lime	535	
4	Shale	539	

539

Thickness of Strata	Formation	Total Depth	Remarks
5	Lime	544	
3	Shale	547	
5	Lime	552	
17 1/2	Shale	730	Heitha
5	Lime	735	
5	Shale	740	
4	Lime	744	
8	Shale	752	
7	Lime	759	
15	Shale	774	
3	Lime	777	
7	Shale	784	
2	Lime	786	
10	Shale	796	
1	Lime	797	
20	Shale	817	redbed
2	Lime	819	
2	Shale	821	
3	Lime	824	
3	Shale	827	
1	Sandy Shale	828	
3	sand	831	
9	sand	840	broken gas sand - no oil
80	Sandy shale	920	mostly solid - OK saturation no oil TDS bottom 2" best show



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 # 265925

Invoice Date: 02/14/2014 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-13
42635
SW 36-14-20
02-12-2014
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	281.00	.3900	109.59
1110A	KOL SEAL (50# BAG)	670.00	.4600	308.20
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
548 MIN. BULK DELIVERY	1.00	368.00	368.00
666 CEMENT PUMP	1.00	1085.00	1085.00
666 EQUIPMENT MILEAGE (ONE WAY)	20.00	4.20	84.00
666 CASING FOOTAGE	911.00	.00	.00
675 80 BBL VACUUM TRUCK (CEMENT)	2.50	90.00	225.00

Parts: 2105.42 Freight: .00 Tax: 150.55 AR 4017.97
 Labor: .00 Misc: .00 Total: 4017.97
 Sublt: .00 Supplies: .00 Change: .00

Signed _____ Date _____

