

Form	ACO1 - Well Completion
Operator	Altavista Energy, Inc.
Well Name	HOLTZ AI-1
Doc ID	1682706

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	9.875	7	17	21	Portland	4	NA
Production	5.625	2.875	6.5	538	Econobond	61	See Ticket

Commenced Spudding:
9/8/22

[illegible]

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-1

Farm Holtz

KS Miami
(State) (County)

16 18 24
(Section) (Township) (Range)

For Altavista Energy inc
(Well Owner)

15-121-31734

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

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Thickness of Strata	Formation	Total Depth	Remarks
0-3	soil - clay	3	
6	Lime	9	
6	shale	15	
37	Lime	52	
6	Shale	58	
20	Lime	78	
3	Shale	81	
3	Lime	84	
3	Shale	87	
6	Lime	93	Herttha
21	Shale	114	
14	sand	128	heavy oil - broken
42	sandy shale	170	
82	shale	252	
12	sand	264	gray - no oil
39	shale	303	
6	Lime	309	
21	Shale	330	
8	Lime	338	
15	Shale	353	
4	Lime	357	
6	Shale	363	
7	Limy sand	370	no oil
24	Lime	394	
7	Shale	401	
2	Lime	403	
64	shale	467	

