

Douglas County, KS
 Well: Baldwin Unit AI-29
 Lease Owner: Altavista

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

Commenced Spudding:
 11/14/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-42	soil/clay	42
135	shale	177
5	lime	182
8	shale	190
14	lime	204
7	shale	211
7	lime	218
6	shale	224
22	lime	246
29	shale	275
17	lime	292
18	sadny shale	310
55	shale	365
22	lime	387
17	shale	404
8	lime	412
13	shale	425
10	sand	435
18	lime	453
18	shale	471
23	lime	494
7	shale	501
24	lime	525
5	shale	530
4	lime	534
4	shale	538
8	lime	546
166	shale	712
6	lime	718
18	shale	736
1	lime	737
21	shale	758
4	lime	762
5	shale	767
2	lime	79
10	shale	779
1	lime	780
21	shale	801
2	lime	803
1	shale	804

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-209

Farm Baldwin Unit

KS Douglas
(State) (County)

1 15 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	so. l-clay	42	
135	shale	177	
5	Lime	182	
8	Shale	190	
14	Lime	204	
7	shale	211	
7	Lime	218	
6	Shale	224	
22	Lime	246	
29	shale	275	shells
17	Lime	292	sandy
18	sandy shale	310	
55	shale	365	
22	Lime	387	
17	Shale	404	
8	Lime	412	
13	shale	425	
10	sand	435	no oil
18	Lime	453	
18	shale	471	
23	Lime	494	
7	shale	501	
24	Lime	525	
5	shale	530	
4	Lime	534	
4	shale	538	
8	Lime	546	Heitha



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 # 264047

Invoice Date: 11/20/2013 Terms: 0/0/30,n/30

Page 1

ALTAVISTA ENERGY INC
4595 K-33 HIGHWAY
P.O. BOX 128
WELLSVILLE KS 66092
(785) 883-4057

BALDWIN UNIT AI-29
44821
SE 1-15-20
11-15-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	135.00	11.5000	1552.50
1118B	PREMIUM GEL / BENTONITE	427.00	.2200	93.94
1111	SODIUM CHLORIDE (GRANULA	261.00	.3900	101.79
1110A	KOL SEAL (50# BAG)	675.00	.4600	310.50
1401	HE 100 POLYMER	.50	47.2500	23.63
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

Description	Hours	Unit Price	Total
370 80 BBL VACUUM TRUCK (CEMENT)	2.50	90.00	225.00
558 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	947.00	.00	.00

Parts: 2111.86 Freight: .00 Tax: 151.00 AR 4024.86
 Labor: .00 Misc: .00 Total: 4024.86
 Sublt: .00 Supplies: .00 Change: .00

Signed _____ Date _____

