

Douglas County, KS
Well: Baldwin Unit AI-24
Lease Owner: Altavista

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

Commenced Spudding:
11/11/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-19	soil-clay	19
34	lime	53
126	shale	179
5	lime	184
8	shale	192
14	lime	206
7	shale	213
7	lime	220
6	shale	226
27	lime	253
22	shale	275
16	lime	291
16	shale	307
58	shale	365
19	lime	384
1	shale	385
3	lime	388
19	shale	407
7	lime	404
14	shale	428
7	sand	435
18	lime	453
16	shale	469
24	lime	493
7	shale	500
24	lime	524
5	shale	529
3	lime	532
4	shale	536
7	lime	543
168	shale	711
7	lime	718
6	shale	724
4	lime	728
6	shale	7347
5	lime	739
17	shale	756
3	lime	759
41	shale	800
1	lime	801

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-24

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
0-19	Soil-clay	19	
34	Lime	53	
126	Shale	179	sand & water
5	Lime	184	
8	Shale	192	
14	Lime	206	
7	Shale	213	
7	Lime	220	
6	Shale	226	
27	Lime	253	shells
22	Shale	275	some sand - no oil
16	Lime	291	
16	Shale	307	sandy
58	Shale	365	
19	Lime	384	
1	Shale	385	
3	Lime	388	
19	Shale	407	
7	Lime	414	
14	Shale	428	
7	Sand	435	no oil
18	Lime	453	
16	Shale	469	
24	Lime	493	
7	Shale	500	
24	Lime	524	
5	Shale	529	

524

Thickness of Strata	Formation	Total Depth	Remarks
3	Lime	532	
4	Shale	536	
7	Lime	543	
16 ⁵	Shale	711	Heather
7	Lime	718	
6	Shale	724	
4	Lime	728	
6	Shale	734	
5	Lime	739	
17	Shale	756	
3	Lime	759	
41	Shale	800	red bed
1	Lime	801	
1	Shale	802	
1	Lime	803	
2	Shale	805	
8	sandy shale	813	
4	sand	817	
21	sand	838	grey - no oil
10	sand	848	brown laminated odor - no show
4	sand	852	broken - good show
4	sand	856	solid
8	sand	864	broken
96	shale	960	solid - good show
			TD perf bottom 20' 844-864



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 # 263906

Invoice Date: 11/13/2013 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-24
44791
SW 1-15-20
11-11-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	45.00	11.5000	517.50
1118B	PREMIUM GEL / BENTONITE	76.00	.2200	16.72

Description	Hours	Unit Price	Total
368 CEMENT PUMP (SURFACE)	1.00	870.00	870.00
368 EQUIPMENT MILEAGE (ONE WAY)	20.00	4.20	84.00
368 CASING FOOTAGE	68.00	.00	.00
369 80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00
558 MIN. BULK DELIVERY	1.00	368.00	368.00

Parts: 534.22 Freight: .00 Tax: 38.20 AR 2074.42
 Labor: .00 Misc: .00 Total: 2074.42
 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



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Houston, TX 77210-4346

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Chanute, KS 66720
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INVOICE

Invoice # 263934

Invoice Date: 11/13/2013 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-24
44776
SE 2-15-20
11-12-2013
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	259.00	.3900	101.01
1110A	KOL SEAL (50# BAG)	670.00	.4600	308.20
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	932.00	.00	.00

Parts: 2096.84 Freight: .00 Tax: 149.93 AR 4008.77
Labor: .00 Misc: .00 Total: 4008.77
Sublt: .00 Supplies: .00 Change: .00

Signed _____

Date _____

BARTLESVILLE, OK
918/338-0808

EL DORADO, KS
316/322-7022

EUREKA, KS
620/583-7664

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785/242-4044

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