



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
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INVOICE

Invoice # 265138

Invoice Date: 12/31/2013 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

ELDER A-3
44968
SE 1-15-20
12-31-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	105.00	11.5000	1207.50
1118B	PREMIUM GEL / BENTONITE	530.00	.2200	116.60
Description		Hours	Unit Price	Total
369	80 BBL VACUUM TRUCK (CEMENT)	2.50	90.00	225.00
495	P & A NEW WELL	1.00	1085.00	1085.00
495	EQUIPMENT MILEAGE (ONE WAY)	25.00	4.20	105.00
495	CASING FOOTAGE	.00	.23	.00
503	MIN. BULK DELIVERY	1.00	368.00	368.00

Parts: 1324.10 Freight: .00 Tax: 94.68 AR 3201.78
 Labor: .00 Misc: .00 Total: 3201.78
 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

Douglas County, KS
Well: Elder A-3
Lease Owner: Altawista

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

Commenced Spudding:
12-25-2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-10	soil-clay	10
2	lime	12
149	shale	161
5	lime	166
6	shale	172
3	lime	175
2	shale	177
15	lime	192
7	shale	199
8	lime	207
6	shale	213
59	lime	272
20	shale	292
54	shale	346
19	lime	365
1	shale	366
2	lime	368
17	shale	385
85	lime	393
17	shale	410
8	sand	418
19	lime	437
16	shale	453
24	lime	477
7	shale	484
25	lime	509
4	shale	513
4	lime	517
4	shale	521
6	lime	527
177	shale	704
6	lime	710
17	shale	727
8	lime	735
14	shale	749
4	lime	753
7	shale	760
2	lime	762
3	shale	765
4	lime	769

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. A-3

Farm Elder

KS Douglas
(State) (County)

2 15 20
(Section) (Township) (Range)

For Altavista 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
0-10	Soil - clay	10	
2	Lime	12	
149	Shale	161	
5	Lime	166	
6	Shale	172	
3	Lime	175	
2	Shale	177	
15	Lime	192	
7	Shale	199	
8	Lime	207	
6	Shale	213	
59	Lime	272	
20	Shale	292	Some sand - no Oil
54	Shale	346	
19	Lime	365	
1	Shale	366	
2	Lime	368	
17	Shale	385	
8	Lime	393	
17	Shale	410	
8	Sand	418	no Oil
19	Lime	437	
16	Shale	453	
24	Lime	477	
7	Shale	484	
25	Lime	509	
4	Shale	513	

513

Thickness of Strata	Formation	Total Depth	Remarks
4	Lime	517	
4	Shale	521	
6	Lime	527	
177	Shale	704	Heating
6	Lime	710	
17	Shale	727	
8	Lime	735	
14	shale	749	
4	Lime	753	
7	Shale	760	
2	Lime	762	
3	Shale	765	
4	Lime	769	
3	Shale	772	
3	Lime	775	
22	Shale	797	
1	Lime	798	
2	Shale	800	
4	Lime	804	
7	Shale	811	
1	Sand	812	odor - no show
6	core	818	TD - dry hole plugged

