

Douglas County, KS
 Well: AI-30
 Lease Owner: Altavista Energy

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

Commenced Spudding:
 11/15/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-40	soil-clay	40
23	sandy shale	63
2	lime	65
118	shale	183
6	lime	189
8	shale	197
13	lime	210
8	shale	218
8	lime	226
4	shale	230
22	lime	252
30	shale	282
18	lime	300
20	shale	320
52	shale	372
22	lime	394
16	shale	410
8	lime	418
14	shale	432
10	sand	442
17	lime	459
18	shale	477
24	lime	501
8	shale	509
24	lime	533
4	shale	537
4	lime	541
3	shale	544
6	lime	550
169	shale	719
6	lime	725
17	shale	742
4	lime	746
17	shale	763
3	lime	766
46	shale	812
3	lime	815
3	shale	818
6	sandy shale	824
11	sand	835

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-30

Farm Baldwin Unit

KS Douglas
(State) (County)

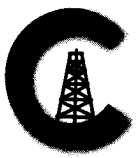
1 15 20
(Section) (Township) (Range)

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
0-40	soil-clay	40	
23	sandy shale	63	
2	Lime	65	
118	shale	183	
6	Lime	189	
8	shale	197	
13	Lime	210	
8	shale	218	
8	Lime	226	
4	shale	230	
22	Lime	252	shells
30	shale	282	some sand - no oil
18	Lime	300	
20	shale	320	sandy
52	shale	372	
22	Lime	394	
16	shale	410	
8	Lime	418	
14	shale	432	
10	sand	442	no oil
17	Lime	459	
18	shale	477	
24	Lime	501	
8	shale	509	
24	Lime	533	
4	shale	537	
4	Lime	541	



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 # 264106

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 A-I-30
44849
SW 1-15-20
11-18-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	124.00	11.5000	1426.00
1118B	PREMIUM GEL / BENTONITE	309.00	.2200	67.98
1111	SODIUM CHLORIDE (GRANULA	240.00	.3900	93.60
1110A	KOL SEAL (50# BAG)	620.00	.4600	285.20
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
370 80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00
495 CEMENT PUMP	1.00	1085.00	1085.00
495 EQUIPMENT MILEAGE (ONE WAY)	20.00	4.20	84.00
495 CASING FOOTAGE	947.00	.00	.00
548 MIN. BULK DELIVERY	1.00	368.00	368.00

Parts:	1925.91	Freight:	.00	Tax:	137.70	AR	3780.61
Labor:	.00	Misc:	.00	Total:	3780.61		
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



2641070

TICKET NUMBER 44849
 LOCATION Ottawa KS
 FOREMAN Fred Maden

PO Box 884, Chanute, KS 66720
 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

CEMENT SW 1

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4/18/13	3244	Baldwin Unit # A.J. 3	NE 30	15	20	OG
CUSTOMER Altavista Energy Inc						
MAILING ADDRESS P.O. Box 128						
CITY Wellsville		STATE KS	ZIP CODE 66092			
			TRUCK #	DRIVER	TRUCK #	DRIVER
			712	Fred Mad		
			495	Horba		
			370	Kai Car		
			548	Mikhaa		

JOB TYPE Logging HOLE SIZE 5 7/8 HOLE DEPTH 960 CASING SIZE & WEIGHT _____
 CASING DEPTH 9470 DRILL PIPE Baffle in TUBING @ 916 OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 31' + Plug
 DISPLACEMENT 5.33 AB DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 BPM

REMARKS: Hold crew safety meeting. Establish pump rate. Pump 1/2 Gal HE-100 Polymer Flush. Circulate well to condition hole. Mix + Pump 100# Gel. Flush. Mix + Pump 5 SKS 50/50 Per Mix Cement 2 1/2 Gal 5% Salt 5# Kol Seal/sk. Cement to surface. Flush pump + lines clean. Displace 2 1/2" Rubber plug to Baffle incasing. Pressure to 800# PSI. Release pressure to set float valve. Shut in casing.

TDS Drilling. Wesley Dallard

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085 ⁰⁰
5406	20 mi	MILEAGE	495	84 ⁰⁰
5402	947	Casing footage		NK
5407	Minimum	Ton Miles	548	368 ⁰⁰
5502C	2 hrs	80 BBL Vac Truck	370	180 ⁰⁰
1124	124 SKS	50/50 Per Mix Cement		1426 ⁰⁰
1118B	309#	Premium Gel		6798
1111	240#	Granulated Salt		9360
1110A	620#	Kol Seal		28520
4402	1	2 1/2" Rubber Plug		2950
1401	1/2 Gal	HE-100 Polymer		2363
			7.15%	SALES TAX
				ESTIMATED TOTAL
				3780 ⁶¹

Revin 3737

AUTHORIZATION

Byron Smith

TITLE

DATE

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form