



KANSAS CORPORATION COMMISSION 1100512  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 34350  
Name: Altavista Energy, Inc.  
Address 1: 4595 K-33 Highway  
Address 2: PO BOX 128  
City: WELLSVILLE State: KS Zip: 66092 + \_\_\_\_\_  
Contact Person: Phil Frick  
Phone: ( 785 ) 883-4057  
CONTRACTOR: License # 33715  
Name: Town Oilfield Service  
Wellsite Geologist: None  
Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW  
 Gas       D&A       ENHR       SIGW  
 OG       GSW       Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic     Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth  
 Commingled      Permit #: \_\_\_\_\_  
 Dual Completion      Permit #: \_\_\_\_\_  
 SWD      Permit #: \_\_\_\_\_  
 ENHR      Permit #: \_\_\_\_\_  
 GSW      Permit #: \_\_\_\_\_  
09/21/2012      09/25/2012      09/25/2012  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date           Recompletion Date

API No. 15 - 15-045-21819-00-00  
Spot Description: \_\_\_\_\_  
NE SW NE SE Sec. 2 Twp. 15 S. R. 20  East  West  
1815 Feet from  North /  South Line of Section  
905 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Douglas  
Lease Name: Baldwin West Well #: A1-4  
Field Name: \_\_\_\_\_  
Producing Formation: Squirrel  
Elevation: Ground: 1067 Kelly Bushing: 1067  
Total Depth: 940 Plug Back Total Depth: 872  
Amount of Surface Pipe Set and Cemented at: 42 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from: 904  
feet depth to: 0 w/ 112 sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: 0 ppm Fluid volume: 30 bbls  
Dewatering method used: Evaporated  
Location of fluid disposal if hauled offsite:  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanna Gamsok Date: 11/13/2012



1100512

Operator Name: Altavista Energy, Inc. Lease Name: Baldwin West Well #: AI-4  
 Sec. 2 Twp. 15 S. R. 20  East  West County: Douglas

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  Gamma Ray/Neutron/CCL	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Squirrel</td> <td>834</td> <td>+233</td> </tr> </table>	Name	Top	Datum	Squirrel	834	+233
Name	Top	Datum					
Squirrel	834	+233					

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	9.875	7	19	42	Portland	4	NA
Production	5.625	2.875	7	904	50/50 Poz	112	See Ticket

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
3	834-844 - 31 Perfs - 2" DML RTG		

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR: <b>10/29/2012</b>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls. 1	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Douglas County, KS  
Well: Baldwin West AI-4  
Lease Owner: AltaVista

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

Commenced Spudding:  
9/21/2012

WELL LOG

Thickness of Strata	Formation	Total Depth
0-9	Soil-Clay	9
13	Shale	22
1	Lime	23
18	Shale	41
3	Lime	44
144	Shale	188
4	Lime	192
2	Shale	194
3	Lime	197
8	Shale	205
13	Lime	218
10	Shale	228
7	Lime	235
5	Shale	240
23	Lime	263
25	Shale	288
18	Lime	306
73	Shale	379
22	Lime	401
19	Shale	420
7	Lime	427
22	Shale	449
19	Lime	468
16	Shale	484
7	Lime	491
2	Shale	493
14	Lime	507
10	Shale	517
23	Lime	540
5	Shale	545
4	Lime	549
3	Shale	552
6	Lime	558
173	Shale	731
6	Lime	737
18	Shale	755
3	Lime	758
18	Shale	776
3	Lime	779
43	Shale & Lime	822





# 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-4

Farm Baldwin West

KS Douglas  
(State) (County)

2 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
6-9	soil-clay	9	
13	shale	22	
1	lime	23	
18	shale	41	
3	lime	44	
144	shale	188	
4	lime	192	
2	shale	194	
3	lime	197	
8	shale	205	
13	lime	218	
10	shale	228	
7	lime	235	
5	shale	240	
23	lime	263	
25	shale	288	
18	lime	306	
73	shale	379	
22	lime	401	
19	shale	420	
7	lime	427	
22	shale	449	
19	lime	468	
16	shale	484	
7	lime	491	
2	shale	493	
14	lime	507	









**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 # 253205

Invoice Date: 09/26/2012 Terms: 0/0/30,n/30

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

BALDWIN WEST AI-4  
34937  
1-15-20  
09-25-2012  
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	112.00	10.9500	1226.40
1118B	PREMIUM GEL / BENTONITE	288.00	.2100	60.48
1111	SODIUM CHLORIDE (GRANULA)	216.00	.3700	79.92
1110A	KOL SEAL (50# BAG)	560.00	.4600	257.60
1401	HE 100 POLYMER	.50	47.2500	23.63
1123	CITY WATER	2500.00	.0165	41.25
4402	2 1/2" RUBBER PLUG	1.00	28.0000	28.00

Description	Hours	Unit Price	Total
368 CEMENT PUMP	1.00	1030.00	1030.00
368 EQUIPMENT MILEAGE (ONE WAY)	20.00	4.00	80.00
368 CASING FOOTAGE	903.00	.00	.00
370 80 BBL VACUUM TRUCK (CEMENT)	1.50	90.00	135.00
503 MIN. BULK DELIVERY	1.00	350.00	350.00

Parts: 1717.28 Freight: .00 Tax: 125.36 AR 3437.64  
Labor: .00 Misc: .00 Total: 3437.64  
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  
785/672-2227

OTTAWA, KS  
785/242-4044

THAYER, KS  
620/839-5269

GILLETTE, WY  
307/686-4914



**CONSOLIDATED**  
Oil Well Services, LLC

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

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

TICKET NUMBER 34937  
LOCATION Ottawa  
FOREMAN Alan Mader

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-25-12	3244	Baldwin West AI-4	SW 1	15	20	DG
CUSTOMER <u>Altavista Energy</u>						
MAILING ADDRESS <u>P.O. Box 128</u>						
CITY <u>Wellsville</u>	STATE <u>KS</u>	ZIP CODE <u>66092</u>				

TRUCK #	DRIVER	TRUCK #	DRIVER
516	Ala Mad	Safety	Meet
368	Der Mas	DM	
370	Kei Car	KL	
503	Dan Det	DD	

JOB TYPE long string HOLE SIZE 5 7/8 HOLE DEPTH 740 CASING SIZE & WEIGHT 2 7/8  
 CASING DEPTH 923 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER 872  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING yes  
 DISPLACEMENT 5.1 DISPLACEMENT PSI 800 MIX PSI 800 RATE 4.6 bpm

REMARKS: Held meeting. Established rate. Mixed & pumped 1/2 gal polymer to condition hole. Followed by 100# gel. Mixed & pumped 112 sk 50 150 cement plus 2% gel. 5% salt. 5# Isol seal per sack. Circulated cement. Flushed pump. Pumped plug to buffer. Well held 800 PSI. Set float. Closed valve.

TOS, Wes

Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368	1032.00
5406	20	MILEAGE	368	7360.00
5402	903'	casing footage	368	334224.00
5467	min	ten miles	503	350.00
55026	1 1/2	80 vac	370	135.00
1124	112	50 150 cement		1226.40
1123	288 #	gel		60.48
111	216 #	salt		79.92
112A	560 #	Isol seal		257.60
1401	1/2 gal	polymer		23.63
1123	2.5	city water		41.25
4402	1	8 1/2 plug		28.00
			SALES TAX	125.36
			ESTIMATED TOTAL	3437.64

NO COMPANY REP  
Jim DK'd

AUTHORIZATION \_\_\_\_\_ 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

253205