



KANSAS CORPORATION COMMISSION 1103175  
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 #: \_\_\_\_\_  
10/12/2012    10/19/2012    10/19/2012  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-045-21836-00-00  
Spot Description: \_\_\_\_\_  
SE NE NE SE Sec. 2 Twp. 15 S. R. 20  East  West  
2304 Feet from  North /  South Line of Section  
65 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 #: AI-6  
Field Name: \_\_\_\_\_  
Producing Formation: Squirrel  
Elevation: Ground: 1044 Kelly Bushing: 1044  
Total Depth: 920 Plug Back Total Depth: 864  
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: 895  
feet depth to: 0 w/ 120 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 Gerlach Date: 12/04/2012



1103175

Operator Name: Altavista Energy, Inc. Lease Name: Baldwin West Well #: AI-6  
 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>806</td> <td>+238</td> </tr> </table>	Name	Top	Datum	Squirrel	806	+238
Name	Top	Datum					
Squirrel	806	+238					

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	5	NA
Production	5.625	2.875	7	895	50/50 Poz	120	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	806-822 - 50 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. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls.	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"/> Duality Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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**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 # **253852**

Invoice Date: **10/22/2012** 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 WEST AI-6**  
35068  
2-15-20  
10-19-2012  
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	120.00	10.9500	1314.00
1118B	PREMIUM GEL / BENTONITE	302.00	.2100	63.42
1111	SODIUM CHLORIDE (GRANULA	232.00	.3700	85.84
1110A	KOL SEAL (50# BAG)	600.00	.4600	276.00
4402	2 1/2" RUBBER PLUG	1.00	28.0000	28.00
1401	HE 100 POLYMER	.50	47.2500	23.63

Description	Hours	Unit Price	Total
495 CEMENT PUMP	1.00	1030.00	1030.00
495 EQUIPMENT MILEAGE (ONE WAY)	25.00	4.00	100.00
495 CASING FOOTAGE	895.00	.00	.00
558 MIN. BULK DELIVERY	1.00	350.00	350.00
675 80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00

Parts:	1790.89	Freight:	.00	Tax:	130.74	AR	3581.63
Labor:	.00	Misc:	.00	Total:	3581.63		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_

Date \_\_\_\_\_

BARTLESVILLE, OK  
918/338-0808

EL DORADO, KS  
316/322-7022

EUREKA, KS  
620/883-7664

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

TICKET NUMBER 35068

LOCATION Ottawa KS

FOREMAN Fred Maden

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

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

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10/19/12	3244	Baldwin West #1-6 SW 2		15	20	DC
CUSTOMER		Alta Vista Energy, Inc.				
MAILING ADDRESS		P.O. Box 128				
CITY		STATE	ZIP CODE			
Wellsville		KS	66092			
		TRUCK #	DRIVER	TRUCK #	DRIVER	
		506	Fred Mad	Safety	Mg	
		495	Nardec	H.B.		
		675	Kei Det	K.D.		
		558	Breman	B.M.		

JOB TYPE Long Strb HOLE SIZE \_\_\_\_\_ HOLE DEPTH 920' CASING SIZE & WEIGHT 2 1/2" EUE  
 CASING DEPTH 895' DRILL PIPE Baffle In TUBING @ 863 OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING 2 1/2" Plus + 32  
 DISPLACEMENT 5 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5 BPM

REMARKS: Establish pump rate: Mix 1/2 Gal HE 100 Polymer Flush. Circulate to condition hole. Mix Pump 100' Gal Flush. Mix Pump 120 SKS 50/50 Por. Mix Cement 2 1/2 Gal 5% Salt 5" Kol Seal/sk. Cement to Surface. Flush pump & lines clean. Displace 1 1/2" rubber plug to casing Baffle In Casing Pressure to 600 PSI Release pressure to Set Float Valve. Shut in Casing.

T.O.S. Drilling

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1030 <sup>00</sup>
5406	25	MILEAGE	495	100 <sup>00</sup>
5402	875	Casing footage		NIC
5407	Minimum	Ten Miles	558	350 <sup>00</sup>
5502C	2 hrs	80 BBL Vac Truck	675	100 <sup>00</sup>
1124	120 SKS	50/50 Por. Mix Cement		1314 <sup>00</sup>
1118A	302 <sup>00</sup>	Premium Gal		634 <sup>00</sup>
1111	232 <sup>00</sup>	Granulated Salt		85 <sup>00</sup>
1104	600 <sup>00</sup>	Kol Seal		276 <sup>00</sup>
4402	1	2 1/2" Rubber Plug		25 <sup>00</sup>
1401	1/2 Gal	HE 100 Polymer		23 <sup>00</sup>
			7.3%	SALES TAX
				ESTIMATED
				TOTAL
				130.74
				3581.63

Completed

Ravin 3737

AUTHORIZATION Wesley Dollard

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.

253852

Douglas County, KS  
 Well: Baldwin West AI-6  
 Lease Owner: AltaVista

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

Commenced Spudding:  
 10/12/2012

WELL LOG

Thickness of Strata	Formation	Total Depth
0-14	Soil-Clay	14
2	Lime	16
149	Shale	165
7	Lime	172
8	Shale	180
14	Lime	194
8	Shale	202
7	Lime	209
5	Shale	214
25	Lime	239
23	Shale	262
17	Lime	279
73	Shale	352
22	Lime	374
20	Shale	394
7	Lime	401
22	Shale	423
20	Lime	443
16	Shale	459
8	Lime	467
1	Shale	468
15	Lime	483
8	Shale	491
24	Lime	515
4	Shale	519
4	Lime	523
4	Shale	527
6	Lime	533
172	Shale	705
6	Lime	711
16	Shale	727
5	Lime	732
20	Shale	752
3	Lime	755
42	Shale	797
2	Lime	799
6	Shale	805
1	Sand and Sandy Shale	806
1	Sand and Sandy Shale	807
19	Core	826





# 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-6

Farm Baldwin West

KS Douglas  
(State) (County)

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

For Alta Vista Energy  
(Well Owner)

**Town Oilfield Services, Inc.**  
1207 N. 1st East  
Louisburg, KS 66053  
913-710-5400





Thickness of Strata	Formation	Total Depth	Remarks
0-14	soft clay	14	
2	Lime	16	
149	Shale	165	
7	Lime	172	
8	Shale	180	
14	Lime	194	
8	Shale	202	
7	Lime	209	
5	Shale	214	
25	Lime	239	
23	Shale	262	
17	Lime	279	
73	Shale	352	
22	Lime	374	
20	Shale	394	
7	Lime	401	
22	Shale	423	
20	Lime	443	
16	Shale	459	
8	Lime	467	
1	Shale	468	
15	Lime	483	
8	Shale	491	
24	Lime	515	
4	Shale	519	
4	Lime	523	
4	Shale	527	



