



KANSAS CORPORATION COMMISSION 1104802  
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 #: \_\_\_\_\_

<u>08/09/2012</u>	<u>08/13/2012</u>	<u>08/13/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-045-21805-00-00

Spot Description: \_\_\_\_\_  
SE NW NE SW Sec. 1 Twp. 15 S. R. 20  East  West  
2105 Feet from  North /  South Line of Section  
3440 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Douglas

Lease Name: Mary Bell Well #: A-21

Field Name: \_\_\_\_\_

Producing Formation: Squirrel

Elevation: Ground: 1040 Kelly Bushing: 1040

Total Depth: 920 Plug Back Total Depth: 849

Amount of Surface Pipe Set and Cemented at: 43 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: 881

feet depth to: 0 w/ 117 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 Garrison Date: 12/19/2012



1104802

Operator Name: Altavista Energy, Inc. Lease Name: Mary Bell Well #: A-21  
 Sec. 1 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>825</td> <td>+215</td> </tr> </table>	Name	Top	Datum	Squirrel	825	+215
Name	Top	Datum					
Squirrel	825	+215					

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	43	Portland	5	NA
Production	5.625	2.875	7	881	50/50 Poz	117	See Ticket

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ 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	825-835 - 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. <u>09/17/2012</u>		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. <u>2</u>	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: Mary Bell A-21  
Lease Owner: AltaVista

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

Commenced Spudding:  
8/9/2012

WELL LOG

Thickness of Strata	Formation	Total Depth
0-6	Soil-Clay	6
1	Lime	7
7	Clay	14
4	Lime	18
141	Shale	159
5	Lime	164
8	Shale	172
14	Lime	186
7	Shale	193
8	Lime	201
6	Shale	207
22	Lime	229
22	Shale	251
23	Lime	274
13	Shale	287
1	Lime	288
61	Shale	349
22	Lime	371
14	Shale	385
8	Lime	393
25	Shale	418
16	Lime	434
7	Shale	441
1	Lime	442
13	Shale	455
22	Lime	477
6	Shale	483
24	Lime	507
4	Shale	511
4	Lime	515
4	Shale	519
7	Lime	526
173	Shale	699
6	Lime	705
6	Shale	711
1	Lime	712
12	Shale	724
6	Lime	730
16	Shale	746
3	Lime	749





# Short Cuts

## TANK CAPACITY

BBLs. (42 gal.) equals  $D^2 \times h \times 14$

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 -  $\frac{RPM \times d}{SPM \times R}$

d -  $\frac{SPM \times R \times D}{RPM}$

SPM -  $\frac{RPM \times D}{R \times d}$

R -  $\frac{RPM \times D}{SPM \times d}$

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-21

Farm Mary Bell

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
0-6	Soil-clay	6	
1	Lime	7	
7	Clay	14	
4	Lime	18	
141	Shale	159	
5	Lime	164	
8	Shale	172	
14	Lime	186	
7	Shale	193	
8	Lime	201	
6	Shale	207	
22	Lime	229	
22	Shale	251	
23	Lime	274	
13	Shale	287	
1	Lime	288	
61	Shale	349	
22	Lime	371	
14	Shale	385	
8	Lime	393	
25	Shale	418	
16	Lime	434	
7	Shale	441	
1	Lime	442	
13	Shale	455	
22	Lime	477	
6	Shale	483	



483

Thickness of Strata	Formation	Total Depth	Remarks
24	Lime	507	
4	Shale	511	
4	Lime	515	
4	Shale	519	
7	Lime	526	Hertha
173	Shale	699	
6	Lime	705	
6	Shale	711	
1	Lime	712	
12	Shale	724	
6	Lime	730	
16	Shale	746	
3	Lime	749	
21	Shale	770	
1	Lime	771	
15	Shale	786	
15	Shale & Lime	801	
1	Lime	802	
22	Shale	824	
1	Sand	825	50% oil - perf
13.5	Core	838.5	
81.5	Shale	920	TD





**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 # 252076

Invoice Date: 08/16/2012 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

MARY BELL A-21  
37475  
1-15-20  
08-13-2012  
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	117.00	10.9500	1281.15
1118B	PREMIUM GEL / BENTONITE	297.00	.2100	62.37
1111	SODIUM CHLORIDE (GRANULA	226.00	.3700	83.62
1110A	KOL SEAL (50# BAG)	585.00	.4600	269.10
1401	HE 100 POLYMER	.50	47.2500	23.63
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)	25.00	4.00	100.00
368 CASING FOOTAGE	881.00	.00	.00
369 80 BBL VACUUM TRUCK (CEMENT)	2.50	90.00	225.00
558 MIN. BULK DELIVERY	1.00	350.00	350.00

Parts:	1747.87	Freight:	.00	Tax:	127.58	AR	3580.45
Labor:	.00	Misc:	.00	Total:	3580.45		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_

Date \_\_\_\_\_

BARTLESVILLE, OK  
818/338-0808

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

