



KANSAS CORPORATION COMMISSION 1104803
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 SLOW
 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 #: _____
08/20/2012 08/22/2012 08/22/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-045-21806-00-00
Spot Description: _____
NW SE NE SW Sec. 1 Twp. 15 S. R. 20 East West
1765 Feet from North / South Line of Section
3120 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-22
Field Name: _____
Producing Formation: Squirrel
Elevation: Ground: 1038 Kelly Bushing: 1038
Total Depth: 900 Plug Back Total Depth: 830
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: 862
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 Gantson Date: 12/17/2012

1104803

Operator Name: Altavista Energy, Inc. Lease Name: Mary Bell Well #: A-22
 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Squirrel	803	+235
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				
Gamma Ray/Neutron/CCL				

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	862	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	803-810 - 22 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. 09/17/2012	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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-1B.)</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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
---	---	--

Douglas County, KS
Well: Mary Bell A-22
Lease Owner: AltaVista

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

Commenced Spudding:
8/20/2012

WELL LOG

Thickness of Strata	Formation	Total Depth
0-3	Soil-Clay	3
0.5	Lime	3.5
4.5	Clay	8
3	Lime	11
144	Shale	155
9	Lime	164
4	Shale	168
13	Lime	181
8	Shale	189
7	Lime	196
6	Shale	202
23	Lime	225
24	Shale	249
1	Lime	250
3	Shale	253
17	Lime	270
14	Shale	284
1	Lime	285
60	Shale	345
22	Lime	367
16	Shale	383
10	Lime	393
23	Shale	416
15	Lime	431
7	Shale	438
1	Lime	439
12	Shale	451
23	Lime	474
8	Shale	482
24	Lime	506
4	Shale	510
4	Lime	514
5	Shale	519
6	Lime	525
171	Shale	696
6	Lime	702
19	Shale	721
2	Lime	723
20	Shale	743
3	Lime	746

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. A-22

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

Mary Bell Farm: Douglas County

KS State; Well No. A-22

Elevation 1038

Commenced Spuding Aug 20 2012

Finished Drilling Aug 22 2012

Driller's Name Wesley Dollard

Driller's Name

Driller's Name

Tool Dresser's Name Ryan Ward

Tool Dresser's Name Colt Stone

Tool Dresser's Name

Contractor's Name TOS

1 15 20

(Section) (Township) (Range)

Distance from S line, 1765 ft.

Distance from E line, 3120 ft.

5 sacks

1 core

14 hrs

CASING AND TUBING
RECORD

10" Set _____ 10" Pulled _____

8" Set _____ 8" Pulled _____

~~7 1/2"~~ 7 1/2" Set 43 _____ 6 1/2" Pulled _____

4" Set _____ 4" Pulled _____

2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
799.	75	Seat	nipple		
830.	45	Baffle			
862		Float		2 7/8	

Thickness of Strata	Formation	Total Depth	Remarks
0-3	Soil-clay	3	
.5	Lime	3.5	
4.5	clay	8	
3	Lime	11	
144	Shale	155	
9	Lime	164	
4	Shale	168	
13	Lime	181	
8	Shale	189	
7	Lime	196	
6	Shale	202	
23	Lime	225	
24	Shale	249	
1	Lime	250	
3	Shale	253	
17	Lime	270	
14	Shale	284	
1	Lime	285	
60	Shale	345	
22	Lime	367	
16	Shale	383	
10	Lime	393	
23	Shale	416	
15	Lime	431	
7	Shale	438	
1	Lime	439	
12	Shale	451	

451

Thickness of Strata	Formation	Total Depth	Remarks
23	Lime	474	
8	Shale	482	
24	Lime	506	
4	Shale	510	
4	Lime	514	
5	shale	519	
6	Lime	525	Herthg
171	Shale	696	
6	Lime	702	
19	Shale	721	
2	Lime	723	
20	Shale	743	
3	Lime	746	
19	Shale	765	
3	Lime	768	
25	shale	793	
1	Lime	794	
6	shale	800	
2	shale & lime	802	
1.5	sand	803.5	no Oil
.5	sand	804	25% oil - perf
17	core	821	
8	sandy shale	829	
71	shale	900	TD

COLE

Thickness of Strata	Formation	Total Depth	Remarks
4 R	1	804	
	sand	805	solid oil - good saturation
	2	807	broken - 25% oil
	sandy shale	810	broken - 75% oil - good saturation
	3		
	sand		
	11	821	no oil
	sandy shale		



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 # 252306

Invoice Date: 08/23/2012 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

MARY BELL A-22
39506
1-15-20
08-22-2012
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
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
369	80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00
495	CEMENT PUMP	1.00	1030.00	1030.00
495	EQUIPMENT MILEAGE (ONE WAY)	25.00	4.00	100.00
495	CASING FOOTAGE	862.00	.00	.00
548	MIN. BULK DELIVERY	1.00	350.00	350.00

Parts: 1747.87 Freight: .00 Tax: 127.58 AR 3535.45
 Labor: .00 Misc: .00 Total: 3535.45
 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

TICKET NUMBER 39506

LOCATION Ottawa KS

FOREMAN Fred Mader

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
8/22/12	3244	Mary Bell # A-22	SW 1	15	20	DG
CUSTOMER <u>Alta Vista Energy</u>			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS <u>4595 33 Highway</u>			<u>506 Fre Mad Safety</u>			
CITY STATED ZIP CODE			<u>495 Har Bee NB</u>			
<u>Wellsville KS 66092</u>			<u>369 Del Mas DM</u>			
			<u>548 Mik Haa MH</u>			

JOB TYPE Longstring HOLE SIZE 5 7/8 HOLE DEPTH 900 CASING SIZE & WEIGHT 2 7/8 EUE
 CASING DEPTH 862 DRILL PIPE Baffle TUBING @ 831 OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/ok _____ CEMENT LEFT in CASING 2 1/2" Plug + 31'
 DISPLACEMENT 4.83 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 5BPM

REMARKS: Establish pump rate. Mix + Pump 1/2 Gal HE-100 polymer. Circulate to condition hole. Mix + Pump 100# Gal Flush. Mix + Pump 117 SKS 50/50 for Mix Cement 2nd Gal 5% Salt 5# Hal Seal / 2 1/4 Cement to Surface. Flush pump + lines clean. Displace 2 1/2" Rubber plug to Baffle in casing. Pressure to 800# PSI. Release pressure to set float valve. Shut in casing.

TOS Drilling, Inc.

Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	455	1030 ⁰⁹
5406	25 mi.	MILEAGE	495	100 ⁰⁹
5402	862	Casing footage		N/C
5407	Minimum	Ten Miles	545	350 ⁰⁹
5502C	2 hrs	80 BBL Vac Truck	369	180 ⁰⁰
1124	117 SKS	50/50 for Mix Cement		1281 ⁰⁵
1115B	297#	Premium Gal		62 ³⁷
1111	226#	Granulated Salt		83 ⁶²
1110A	585#	Hal Seal		269 ¹⁰
4402	1	2 1/2" Rubber Plug		28 ⁰⁰
1401	1/2 Gal.	HE-100 Polymer.		23 ⁶³
			73%	SALES TAX
				ESTIMATED TOTAL
				127 ⁵⁹
				3535 ⁴⁵

Revin 3737

AUTHORIZATION Wesley Johnson

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.

252306