



KANSAS CORPORATION COMMISSION 1104813
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 #: _____

08/16/2012	08/20/2012	08/20/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-045-21801-00-00

Spot Description: _____
SW NE NE SW Sec. 1 Twp. 15 S. R. 20 East West
2125 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 #: AI-21
Field Name: _____
Producing Formation: Squirrel
Elevation: Ground: 1031 Kelly Bushing: 1031
Total Depth: 920 Plug Back Total Depth: 850
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: 882
feet depth to: 0 w/ 122 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



1104813

Operator Name: Altavista Energy, Inc. Lease Name: Mary Bell Well #: AI-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>799</td> <td>+232</td> </tr> </table>	Name	Top	Datum	Squirrel	799	+232
Name	Top	Datum					
Squirrel	799	+232					

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	8	NA
Production	5.625	2.875	7	882	50/50 Poz	122	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	799-809 - 31 Perfs - 2" DML RTG		

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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 (Explain) _____				
Estimated Production Per 24 Hours	Oil Bbls. 2	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 AI-21
Lease Owner: AltaVista

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

Commenced Spudding:
8/16/2012

WELL LOG

Thickness of Strata	Formation	Total Depth
0-6	Soil-Clay	6
3	Lime	9
2	Clay	11
142	Shale	153
5	Lime	158
8	Shale	166
12	Lime	178
8	Shale	186
8	Lime	194
6	Shale	200
22	Lime	222
18	Shale	240
6	Lime	246
3	Shale	249
18	Lime	267
74	Shale	341
23	Lime	364
17	Shale	381
7	Lime	388
25	Shale	413
15	Lime	428
7	Shale	435
1	Lime	436
11	Shale	447
25	Lime	472
8	Shale	480
22	Lime	502
4	Shale	506
4	Lime	510
4	Shale	514
6	Lime	520
172	Shale	692
7	Lime	699
40	Shale	739
3	Lime	742
19	Shale	761
3	Lime	764
22	Shale	786
1	Lime	787
3	Shale	790

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 $BPH \times PSI \times .0004$

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-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	
3	Lime	9	
2	Clay	11	
142	Shale	153	
5	Lime	158	
8	Shale	166	
12	Lime	178	
8	Shale	186	
8	Lime	194	
6	Shale	200	
22	Lime	222	
18	Shale	240	
6	Lime	246	
3	Shale	249	
18	Lime	267	
74	Shale	341	
23	Lime	364	
17	Shale	381	
7	Lime	388	
25	Shale	413	
15	Lime	428	
7	Shale	435	
1	Lime	436	
11	Shale	447	
25	Lime	472	
8	Shale	480	
22	Lime	502	



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 # 252259

Invoice Date: 08/22/2012 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 #AI-21
37589
1-15-20
08-20-2012
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	122.00	10.9500	1335.90
1118B	PREMIUM GEL / BENTONITE	305.00	.2100	64.05
1111	SODIUM CHLORIDE (GRANULA	236.00	.3700	87.32
1110A	KOL SEAL (50# BAG)	610.00	.4600	280.60
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	881.00	.00	.00
503 MIN. BULK DELIVERY	1.00	350.00	350.00
675 80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00

Parts: 1819.50 Freight: .00 Tax: 132.82 AR 3612.32
Labor: .00 Misc: .00 Total: 3612.32
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 37589

LOCATION Offawa KS

FOREMAN Fred Mader

PO Box 884, Chanute, KS 65720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8/20/12	3244	Mary Ball # A.I. 21	SW 1	19	20	DG
CUSTOMER Alta Vista Energy Inc			TRUCK #			
MAILING ADDRESS 4595 33 Highway			DRIVER			
CITY Wellsville			TRUCK #			
STATE KS			DRIVER			
ZIP CODE 66092			TRUCK #			
			DRIVER			

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 920' CASING SIZE & WEIGHT 2 3/4" EUE
 CASING DEPTH 851' DRILL PIPE Baffle in TUBING 8.50' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT IN CASING 2 3/4" Plug + 131'
 DISPLACEMENT 4.9428 DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 BPM

REMARKS: Establish pump rate. Mix + Pump 1/2 Gal #E100 Polymer. Circulate to condition hole. Mix + Pump 100# Gal Flush Mix + Pump 122 SKS 50/50 Poz Mix Cement 2% Gal 5% Salt 5" Kal Seal/sk. Cement to surface. Flush pump + lines clean. Displace 5 7/8" rubber plug to Baffle in casing. Pressure to 800# PSI. Release pressure to set float valve. Shut in casing.

TDS Drilling - Wes

Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1030.00
5406	25 mi.	MILEAGE	495	100.00
5402	881'	Casing footage		N/A
5407	Minimum	Ten Miles		350.00
5502C	2 hrs	80 BBL Vac Truck	675	1350.00
1124	122 SKS	50/50 Poz Mix Cement		1335.00
1116B	305#	Premium Gel		64.05
1111	236#	Granulated Salt		87.32
1110A	610#	Kal Seal		280.60
4402	1	2 3/4" Rubber plug		28.00
1401	1/2 Gal	NE-100 Polymer		23.53
			7.3%	SALES TAX
				ESTIMATED TOTAL
				3612.82

Rev 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.

252259