Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1260984

Form ACO-1
August 2013
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
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #: ____
☐ Dual Completion Permit #: ____
☐ SWD Permit #: ____
☐ ENHR Permit #: ____
☐ GSW Permit #: ____

06/18/2015	06/19/2015	06/19/2015
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-121-31025-00-00
Spot Description: ____
NW SW NW SW Sec. 17 Twp. 16 S. R. 24 ☑ East ☐ West
1815 Feet from ☐ North / ☑ South Line of Section
5115 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW

GPS Location: Lat: ____ *(e.g. xx.xxxxx)* , Long: ____ *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Miami
Lease Name: Stahl Well #: A-14
Field Name: ____
Producing Formation: Squirrel
Elevation: Ground: 993 Kelly Bushing: 993
Total Vertical Depth: 700 Plug Back Total Depth: 650
Amount of Surface Pipe Set and Cemented at: 22 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: ____ Feet
If Alternate II completion, cement circulated from: 681
feet depth to: 0 w/ 84 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 0 ppm Fluid volume: 20 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

☐ **Confidentiality Requested**
Date: ____
☐ **Confidential Release Date:** ____
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 08/13/2015

1260984

Operator Name: Altavista Energy, Inc. Lease Name: Stahl Well #: A-14

Sec. 17 Twp. 16 S. R. 24 ☑ East ☐ West County: Miami

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional Sheets) ☐ Yes ☑ No

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☑ Yes ☐ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Gamma Ray/Neutron/CCL

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Squirrel	619	+374

CASING RECORD ☑ New ☐ 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	22	Portland	4	NA
Production	5.625	2.875	7	681	50/50 Poz	84	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	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☑ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☑ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
3	619-628 - 28 Perfs - 2" DML RTG		

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 07/07/2015

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	2				

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Miami County, KS
Well: Stahl A-14
Lease Owner: Altavista Energy

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

Commenced Spudding:
6-18-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 11	Soil - Clay	11
34	Shale	45
25	Lime	70
15	Shale	85
10	Lime	95
10	Shale	105
3	Lime	108
21	Shale	129
5	Lime	134
35	Shale	169
11	Lime	180
15	Shale	195
25	Lime	220
7	Shale	227
20	Lime	247
4	Shale	251
2	Lime	253
2	Shale	255
11	Lime	266
11	Shale	277
3	Sand	280
17	Shale	297
12	Sand	309
11	Sand	320
148	Shale	468
4	Lime	472
3	Shale	475
6	Lime	481
6	Shale	487
7	Lime	494
19	Shale	513
4	Lime	517
9	Shale	526
6	Lime	532
9	Shale	541
5	Lime	546
69	Shale	615
9	Core	624
2	Sand	626
1	Broken Sand	627

Miami County, KS
Well: Stahl A-14
Lease Owner: Altavista Energy

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

Commenced Spudding:
6-18-2015

8	Sandy Shale	635
65	Shale	700 TD

Core		
		615
4	Shale	619
5	Sand Perf	624

Short Cuts

TANK CAPACITY

BBLS. (42 gal.) equals D^2x.14xh
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 - RPMxd over SPMxR
d - SPMxRxD over RPM
SPM - RPMXD over RxD
R - RPMXD over SPMxD

BELT LENGTH - $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

* Need these to figure belt length

TO FIGURE AMPS: $\frac{\text{WATTS}}{\text{VOLTS}}$ = AMPS

746 WATTS equal 1 HP

Log Book

Well No. A-14

Farm Stahl

KS (State) Miami (County)

17 (Section) 16 (Township) 24 (Range)

For Alteviste Energy inc (Well Owner)

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

Stahl Farm: Miami County

KS State; Well No. A-14

Elevation 993

Commenced Spuding 6-18 20 15

Finished Drilling 6-19 20 15

Driller's Name Wesley Dollard

Driller's Name

Driller's Name

Tool Dresser's Name Ryan Ward

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

17 16 24

(Section) (Township) (Range)

Distance from S line, 1815 ft.

Distance from E line, 5115 ft.

4 sacks 2 7/8 casing

1 core

9 hrs

5 7/8 borehole

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
7 [illegible]" Set	22	6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
618.25		Seat nipple			
649.90		Baffle			
680.80		Float			
700	TD			2 7/8	

Thickness of Strata	Formation	Total Depth	Remarks
0-11	soil-clay	11	
34	Shale	45	
25	Lime	70	
15	Shale	85	
10	Lime	95	
10	Shale	105	
3	Lime	108	
21	Shale	129	
5	Lime	134	
35	Shale	169	
11	Lime	180	
15	Shale	195	
25	Lime	220	
7	Shale	227	
20	Lime	247	
4	Shale	251	
2	Lime	253	
2	Shale	255	
11	Lime	266	Hertha
11	Shale	277	
3	Sand	280	slight show
17	Shale	297	
12	Sand	309	slight show
11	Sand	320	no Oil
148	Shale	468	
4	Lime	472	
3	Shale	475	

475

Thickness of Strata	Formation	Total Depth	Remarks
6	Lime	481	
6	Shale	487	
7	Lime	494	
19	Shale	513	
4	Lime	517	
9	Shale	526	
6	Lime	532	
9	Shale	541	
5	Lime	546	
69	Shale	615	
9	Core	624	Page 6
2	Sand	626	mostly solid - good show - perf
1	broken sand	627	good show - perf
8	sandy shale	635	
65	Shale	700	TD

Thickness of Strata	Formation	Total Depth	Remarks
	core		
		615	
4	shale	619	
5	sand - perf	624	broken - good show

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.Box884
Chanute,KS 66720
620/431-9210,1-800/467-8676
Fax 620/431-0012

Invoice

Invoice# 804671

Invoice Date: 06/28/15 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC

4595 K-33 HWY, PO BOX 128
WELLSVILLE KS 66092
USA

7858834057

STAHL # A-14

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	46.000	810.00
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	7.1500	46.000	115.83
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	46.000	356.40
WE0853	80 BBL Vacuum Truck (Cement Services)	1.500	100.0000	46.000	81.00
CC5840	Poz-Blend I A (50:50)	84.000	13.5000	46.000	612.36
CC5965	Bentonite	241.000	0.3000	46.000	39.04
CC6077	Kolseal	420.000	0.5000	46.000	113.40
CC5326	Sodium Chloride, Salt	155.000	0.7500	46.000	62.78
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	46.000	24.30

Subtotal	4,102.05
Discounted Amount	1,886.94
SubTotal After Discount	2,215.11

Amount Due 4,222.73 If paid after 07/28/15

Tax:	65.17
Total:	2,280.28

CONSOLIDATED
Oil Well Services, LLC

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

Invoice #884671

QBOS 3242 / 3184

TICKET NUMBER 51047
LOCATION Ottawa KS
FOREMAN Fred Mader

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-19-15	3244	Stahl # A-14	SE 17	16	22	MI

CUSTOMER: Altavista Energy
MAILING ADDRESS: P.O. Box 128
CITY: Wellsville | STATE: KS | ZIP CODE: 66092

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Fre Mad		
495	Har Bec		
675	Kei Dex		
558	Bru Bir		

JOB TYPE Longstring | HOLE SIZE 5 7/8 | HOLE DEPTH 700' | CASING SIZE & WEIGHT 2 7/8 EUE
CASING DEPTH 681' | DRILL PIPE Baffle in | TUBING @ 650 | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT In CASING 31' + Plug
DISPLACEMENT 3.8 BBL | DISPLACEMENT PSI | MIX PSI | RATE 4 BBL/min

REMARKS: Held Safety meeting. Establish pump rate. Mix + Pump 100# Gel Flush. Mix & Pump 84 sks Por Blend I A 2% Gel 5% Salt 5# Kol Seal/sk. Cement to surface. Flush pump + lines clean. Displace 2½" Rubber plug to baffle in Casing. Pressure to 800# PSI. Release pressure to set float Valve. Shut in Casing.

TOS Drilling – Wesley

Fred Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	495	1500.00	
CE0002	30mi	MILEAGE	495	2.14.50	
CE0711	Minimum	Ton Miles Delivery	558	660.00	
WE0853	1½ hr	80 BBL Vac Truck	675	150.00	
		Sub Total		2524.50	
		Less 46%		1161.27	1363.23
CC5840	84sks	Por Blend I A Cement		11.34.00	
CC5965	241#	Bentonite Gel		72.30	
CC6077	420#	Kolseal		210.00	
CC5326	155#	Sodium Chloride		116.25	
CP8176	1	2⅞" Rubber Plug		45.00	
		Sub Total		1577.55	
		Less 46%		-725.67	851.88
			7.65%	SALES TAX	65.17
				ESTIMATED TOTAL	2280.28

Ravin 3737

AUTHORIZTION Bryan Miller TITLE DATE 4222.73

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.