Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1257592

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 #:

05/12/2015	05/13/2015	05/13/2015
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-121-31011-00-00
Spot Description:
_ W2 _ SW _ NE Sec. 17 Twp. 16 S. R. 24 ☑ East ☐ West
3300 Feet from ☐ North / ☑ South Line of Section
2310 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: Nevius Well #: AI-12
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 1045 Kelly Bushing: 1045
Total Vertical Depth: 760 Plug Back Total Depth: 713
Amount of Surface Pipe Set and Cemented at: 23 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 744
feet depth to: 0 w/ 94 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:** 07/13/2015

1257592

Operator Name: Altavista Energy, Inc. Lease Name: Nevius Well #: AI-12

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 ☐ Yes ☑ No
(Attach Additional Sheets)

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	652	+393

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	17	23	Portland	5	NA
Production	5.625	2.875	7	744	50/50 Poz	94	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	652-660 - 25 Perfs - 2" DML RTG		

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

Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

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

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: Nevius AI-12
Lease Owner: Altavista Energy

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

Commenced Spudding:
5-12-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 16	Soil - Clay	16
47	Shale	63
7	Lime	70
4	Shale	74
32	Lime	106
20	Shale	126
11	Lime	137
4	Shale	141
5	Lime	146
18	Shale	164
4	Lime	168
38	Shale	206
10	Lime	216
16	Shale	232
24	Lime	256
8	Shale	264
20	Lime	284
4	Shale	288
2	Lime	290
5	Shale	295
9	Lime	304
11	Shale	315
5	Sand	320
17	Shale	337
16	Sand	353
14	Sandy Shale	367
129	Shale	496
6	Lime	502
2	Shale	504
3	Lime	507
7	Shale	514
12	Lime	526
18	Shale	544
4	Lime	548
9	Shale	557
2	Lime	559
11	Shale	570
5	Lime	575
67	Shale	642
1	Sand & Sandy Shale	643

Miami County, KS
Well: Nevius AI-12
Lease Owner: Altavista Energy

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

Commenced Spudding:
5-12-2015

20	Core	663
35	Shale	698
1	Lime	699
12	Shale	711
6	Sandy Shale	717
7	Shale	724
6	Redbed	730
30	Shale	760 TD

Core		
		643
3	Sand & Sandy Shale	646
14	Sand	660
3	Shale	663

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. AI-12

Farm Nevius

KS (State) Miami (County)

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

For Altavista Energy inc (Well Owner)

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

Nevius Farm: Miami County

KS State; Well No. AI-12

Elevation 1045

Commenced Spuding 5-12 20 15

Finished Drilling 5-13 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, 3300 ft.

Distance from E line, 2310 ft.

4 sacks
1 core
9 hrs
5 5/8 borehole

2 7/8 casing

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
7 ~~6 3/4~~" Set	23	6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
712.	50	Baffle			
744		Float		2	7/8
760	TD				

Thickness of Strata	Formation	Total Depth	Remarks
0-16	soil-clay	16	
47	Shale	63	
7	Lime	70	
4	Shale	74	
32	Lime	106	
20	Shale	126	
11	Lime	137	
4	Shale	141	
5	Lime	146	
18	Shale	164	
4	Lime	168	
38	Shale	206	
10	Lime	216	
16	Shale	232	
24	Lime	256	
8	Shale	264	
20	Lime	284	
4	Shale	288	
2	Lime	290	
5	Shale	295	
9	Lime	304	Hertha
11	Shale	315	
5	Sand	320	broken oil - good bleed
17	Shale	337	
16	Sand	353	broken oil - good bleed
14	sandy shale	367	
129	Shale	496	

496

Thickness of Strata	Formation	Total Depth	Remarks
6	Lime	502	
2	Shale	504	
3	Lime	507	
7	Shale	514	
12	Lime	526	
18	Shale	544	
4	Lime	548	
9	Shale	557	
2	Lime	559	
11	Shale	570	
5	Lime	575	
67	Shale	642	
1	Sand & Sandy Shale	643	odor
20	Core	663	page 6
35	Shale	698	
1	Lime	699	
12	Shale	711	
6	Sandy shale	717	
7	Shale	724	
6	redbed	730	
30	Shale	760	TD

Thickness of Strata	Formation	Total Depth	Remarks
	Core		
		643	
3	Sand & sandy shale	646	laminated - gas
14	Sand	660	[redacted] - 646 - 652 gas
3	Shale	663	perf - 652 - 660 good saturation solid oi

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# 804288

Invoice Date: 05/26/15 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC

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

7858834057

NEVIUS #AI-12

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,085.0000	30.000	759.50
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	4.2000	30.000	88.20
CE0461	Cement Pump Charge Below 12000'	744.000	0.0000	0.000	0.00
CE0711	Minimum Cement Delivery Charge	1.000	368.0000	30.000	257.60
WE0853	80 BBL Vacuum Truck (Cement Services)	1.500	100.0000	30.000	105.00
CC5840	Poz-Blend I A (50:50)	94.000	11.5000	30.000	756.70
CC5965	Bentonite	258.000	0.2200	30.000	39.73
CC5326	Sodium Chloride, Salt	189.000	0.3900	30.000	51.60
CC6077	Kolseal	470.000	0.4600	30.000	151.34
CP8176	2 7/8" Top Rubber Plug	1.000	29.5000	30.000	20.65
1401	HE 100 Polymer	0.500	47.2500	30.000	16.54

Subtotal	3,209.80
Discounted Amount	962.94
SubTotal After Discount	2,246.86

Amount Due 3,323.08 If paid after 06/25/15

Tax:	79.30
Total:	2,326.16

CONSOLIDATED Oil Well Services, LLC

Invoice #804288 2929 2855

TICKET NUMBER 50994
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
5-13-15	3244	Nevius # AI-12	NE 17	16	22	MI

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

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Fre Mad		
467	Ki Car		
675	Ki Dal		
558	Ari Med		

JOB TYPE Long string. HOLE SIZE 5 7/8 HOLE DEPTH 760' CASING SIZE & WEIGHT 2 7/8 EUE
CASING DEPTH 744' DRILL PIPE Baffle in TUBING @ 712 OTHER
SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT in CASING 32' + Plug
DISPLACEMENT 4.14 BBL DISPLACEMENT PSI MIX PSI RATE 5 BPM

REMARKS: Hold Safety meeting. Establish pump rate. Pump 1/2 Gal HE-100 Polymer Flush. Circulate well to condition hole. Mix & Pump 100# Gel Flush. Mix & Pump 94 sks 50/50 Poz Mix Cement 2% Gel 5% Salt 5# Kol Seal/sk. Cement to surface. Flush pump & lines clean. Displace 2 1/2" Rubber Plug to Baffle. Pressure to 800#. P.S.I. Release pressure to set Float Valve. Shut in Casing.

TOS Drilling: Wes. Fred Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
5401	CE0450 1	PUMP CHARGE	467	1085.00	
5406	CE0002 30 mi	MILEAGE	467	4.26.00	
5402	CE0461 744	Casing Footage		NIC	
5407	CE0911 Minimum	Ton Miles	558	368.00	
5502C	CE0853 1 1/2 hr	80 BBL Vac Truck	675	150.00	
		SubTotal		1729.00	
		Less 30%		-518.70	1210.30
1124	CC5840 94 sks	50/50 Poz Mix Cement		10.81.00	
1118B	CC5965 258#	Premium Gel		56.26	
1111	CC5326 89#	Granulated Salt		23.21	
1110A	CC6077 470#	Kol Seal		21.620	
4402	CP8176 1	2 1/2" Rubber Plug		29.50	
1401	1/2 Gal	HE 100 Polymer		23.63	
		Material		1480.80	
		Less 30%		-444.24	1036.56
			7.65%	SALES TAX	79.30
				ESTIMATED TOTAL	2326.16 (3323.08)

1263

Revin 3737

AUTHORIZTION Bryan Miller 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