Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1258851

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 #: ____

04/09/2015	04/13/2015	04/13/2015
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-121-30982-00-00
Spot Description: ____
NE - NW - NW - NW Sec. 17 Twp. 16 S. R. 24 ☑ East ☐ West
5115 Feet from ☐ North / ☑ South Line of Section
4785 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: Barkis Well #: A-10
Field Name: ____
Producing Formation: Squirrel
Elevation: Ground: 1086 Kelly Bushing: 1086
Total Vertical Depth: 760 Plug Back Total Depth: 704
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: 736
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:** 07/22/2015

1258851

Operator Name: Altavista Energy, Inc. Lease Name: Barkis Well #: A-10

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	675	+411

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	4	NA
Production	5.625	2.875	7	736	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	675-684 - 28 Perfs - 2" DML RTG		

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

Date of First, Resumed Production, SWD or ENHR. 05/21/2015

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: Barkis A-10
Lease Owner: Altavista Energy

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

Commenced Spudding:
4-9-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 6	Soil - Clay	6
13	Lime	19
15	Shale	34
7	Sand	41
2	Shale	43
13	Lime	56
67	Shale	123
22	Lime	145
13	Shale	158
10	Lime	168
12	Sandy Shale	180
20	Shale	200
3	Lime	203
40	Shale	243
10	Lime	253
15	Shale	268
25	Lime	293
8	Shale	301
21	Lime	322
3	Shale	325
2	Lime	327
6	Shale	333
8	Lime	341
31	Shale	372
1	Sandy Shale	373
1	Sand	374
19	Core #1	393
37	Sandy Shale	430
118	Shale	548
8	Lime	556
17	Shale	573
3	Lime	576
7	Shale	583
5	Lime	588
6	Shale	594
1	Lime	595
1	Shale	596
8	Lime	604
21	Shale	625
2	Lime	627

Miami County, KS
Well: Barkis A-10
Lease Owner: Altavista Energy

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

Commenced Spudding:
4-9-2015

48	Shale	675
1	Sand	676
20	Core #2	696
7	Sandy Shale	703
57	Shale	760 TD

Core		
	Core #1	
		374
2.5	Sand & Sandy Shale	376.5
1	Lime	377.5
3.5	Gas Sand	381
4	Sand	385
5	Sand & Sandy Shale	390
3	Sandy Shale	393
	Core #2	
		676
1	Sand	677
2	Sand & Shale	679
1	Laminated Sand	680
3	Solid Sand	683
13	Sandy Shale	696

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-10

Farm Barkis

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

Barkis Farm: Miami County

KS State; Well No. A-10

Elevation 1086

Commenced Spuding 4-9, 20 15

Finished Drilling 4-13, 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, 5115 ft.

Distance from E line, 4785 ft.

4 sacks 2 cores

12 hrs

5 5/8 borehole

2 7/8 casing

CASING AND TUBING RECORD

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

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
673.	45	Seat nipple			
704.	90	Baffle			
736.	40	Float			
760	TD			2 7/8	

Thickness of Strata	Formation	Total Depth	Remarks
0-6	soil - clay	6	
13	Lime	19	
15	Shale	34	redbed
7	Sand	41	grey - no oil
2	Shale	43	
13	Lime	56	
67	Shale	123	
22	Lime	145	
13	Shale	158	
10	Lime	168	
12	sandy shale	180	
20	Shale	200	
3	Lime	203	
40	Shale	243	
10	Lime	253	
15	Shale	268	
25	Lime	293	
8	Shale	301	
21	Lime	322	
3	Shale	325	
2	Lime	327	
6	Shale	333	
8	Lime	341	Hertha
31	Shale	372	
1	sandy shale	373	
1	Sand	374	odor
19	core #1	393	page 8

393

Thickness of Strata	Formation	Total Depth	Remarks
37	sandy shale	430	
118	Shale	548	
8	Lime	556	
17	Shale	573	
3	Lime	576	
7	Shale	583	
5	Lime	588	
6	Shale	594	
1	Lime	595	
1	Shale	596	
8	Lime	604	
21	Shale	625	
2	Lime	627	
48	Shale	675	
1	Sand	676	solid Oil - Perf
20	Core #2	696	page 8
7	sandy shale	703	
57	Shale	760	TD

Thickness of Strata	Formation	Total Depth	Remarks
	Core #1		
		374	
2.5	sand & sandy shale	376.5	laminated gas sand
1	Lime	377.5	
3.5	gas sand	381	brown
4	sand	385	solid oil - Heavy
5	sand & sandy shale	390	laminated - no oil
3	sandy shale	393	
	Core #2		
		676	
1	sand	677	solid oil
2	sand & shale	679	some oil - not much Perf
1	laminated sand	680	good show
3	solid sand	683	good show
13	sandy shale	696	

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# 804013

Invoice Date: 04/17/15

Terms: Net 30

Page 1

ALTAVISTA ENERGY INC

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

7858834057

BARKIS #A-10

Part No	Description	Quantity	Unit Price	Discount(%)	Total
5401	Cement Pumper	1.000	1,085.0000	30.000	759.50
5406	Mileage Charge	30.000	4.2000	30.000	88.20
5402	Casing Footage	736.000	0.0000	0.000	0.00
5407	Min. Bulk Delivery Charge	1.000	368.0000	30.000	257.60
5502C	80 Vacuum Truck Cement	1.500	100.0000	30.000	105.00
1124	Poz Cement Mix	94.000	11.5000	30.000	756.70
1118B	Premium Gel / Bentonite	258.000	0.2200	30.000	39.73
1111	Sodium Chloride (Granulated Salt)	190.000	0.3742	30.000	49.77
1110A	Kol Seal (50# BAG)	470.000	0.4600	30.000	151.34
4402	2 1/2 Rubber Plug	1.000	29.5000	30.000	20.65

Subtotal	3,183.56
Discounted Amount	955.07
SubTotal After Discount	2,228.49

Amount Due 3,294.83 If paid after 05/17/15

Tax:	77.89
Total:	2,306.38

CONSOLIDATED
Oil Well Services, LLC

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

Invoice # 804013 2678/2610

TICKET NUMBER 50936
LOCATION Ottawa KS
FOREMAN Fred Mader

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-13-15	3244	Barkis # A-10	NW 17	16	24	Mi

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

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Fred Mad		
495	Hay Bec		
675	Eki Det		
548	Arl McD		

JOB TYPE Longstring HOLE SIZE 5 7/8 HOLE DEPTH 760' CASING SIZE & WEIGHT
CASING DEPTH 736 DRILL PIPE Baffle @ TUBING @ 704 OTHER
SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT in CASING 32' x Plug
DISPLACEMENT 4.09 BBL DISPLACEMENT PSI MIX PSI RATE 4 BPM

REMARKS: Held Safety meeting. Establish pump rate. 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 2½" Rubber plug to Baffle. Pressure to 800# PSI. Release pressure to set float Valve. Shut in Casing.

TOS Drilling — Fred Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085.00	
5406	30 mi	MILEAGE	495	126.00	
5402	736	Casing footage		N/C	
5407	Minimum	Ton Miles	548	368.00	
5502C	1½ hr	80 BBL Vac Truck	675	150.00	
		Sub Total		1729.00	
		Less 30%		-518.70	1210.30
1124	94 sks	50/50 Poz Mix Cement		1081.20	
1118B	258#	Premium Gel		56.26	
1111	190#	Granulated Salt		71.10	
1110A	470#	Kol Seal		216.20	
		Material		1425.06	
		Less 30%		-427.52	
		Total			997.54
4402	1	2½" Rubber Plug	Less 30%	29.50	20.65
				7.65%	SALES TAX 77.89
					ESTIMATED TOTAL 2306.88

Completed

Revin 3737

AUTHORIZTION Bryan Mills TITLE DATE (3294.83)

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.