Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1258872

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 #: ____

04/27/2015	04/28/2015	04/28/2015
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-121-31003-00-00
Spot Description: ____
SW SE NW NW Sec. 17 Twp. 16 S. R. 24 ☑ East ☐ West
4125 Feet from ☐ North / ☑ South Line of Section
4455 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-19
Field Name: ____
Producing Formation: Squirrel
Elevation: Ground: 1067 Kelly Bushing: 1067
Total Vertical Depth: 780 Plug Back Total Depth: 729
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: 761
feet depth to: 0 w/ 92 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

1258872

Operator Name: Altavista Energy, Inc. Lease Name: Barkis Well #: A-19

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	673	+394

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	761	50/50 Poz	92	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	673-678 - 16 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-19
Lease Owner: Altavista Energy

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

Commenced Spudding:
4-27-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 3	Soil - Clay	3
8	Lime	11
16	Shale	27
6	Lime	33
4	Shale	37
13	Lime	50
70	Shale	120
21	Lime	141
12	Shale	153
10	Lime	163
24	Shale	187
1	Lime	188
6	Shale	194
4	Lime	198
40	Shale	238
10	Lime	248
16	Shale	264
25	Lime	289
9	Shale	298
16	Lime	314
4	Shale	318
3	Lime	321
4	Shale	325
9	Lime	334
16	Shale	350
5	Sand	355
15	Shale	370
7	Sand	377
20	Sandy Shale	397
138	Shale	535
3	Lime	538
3	Shale	541
7	Lime	548
19	Shale	567
4	Lime	571
8	Shale	579
5	Lime	584
9	Shale	593
5	Lime	598
72	Shale	670

20	Core	690
3	Sandy Shale	693
87	Shale	780 TD

Core		
		670
3	Shale	673
3	Shale	676
1.5	Sand	677.5
12.5	Sandy Shale	690

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-19

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-19

Elevation 1067

Commenced Spuding 4-27 20 15

Finished Drilling 4-28 20 15

Driller's Name Wesley Dollard

Driller's Name

Driller's Name

Tool Dresser's Name Jeff Town

Tool Dresser's Name Ryan Ward

Tool Dresser's Name

Contractor's Name TOS

17 16 24

(Section) (Township) (Range)

Distance from S line, 4125 ft.

Distance from E line, 4455 ft.

4 sacks 2 7/8 casing
1 cord
9 hrs
5 5/8 borehole

CASING AND TUBING RECORD

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

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
729.	20	Bottle			2 7/8
761.	05	Float			
780	TD				

Thickness of Strata	Formation	Total Depth	Remarks
0-3	soil- clay	3	
8	Lime	11	
16	Shale	27	redbed
6	sand	33	no oil
4	Shale	37	
13	Lime	50	
70	Shale	120	
21	Lime	141	
12	Shale	153	
10	Lime	163	
24	Shale	187	
1	Lime	188	
6	Shale	194	
4	Lime	198	
40	Shale	238	
10	Lime	248	
16	Shale	264	
25	Lime	289	
9	Shale	298	
16	Lime	314	
4	Shale	318	
3	Lime	321	
4	Shale	325	
9	Lime	334	Hertha
16	Shale	350	
5	Sand	355	odor
15	Shale	370	

370

Thickness of Strata	Formation	Total Depth	Remarks
7	Sand	377	slight show - heavy oil
20	Sandy Shale	397	
138	Shale	535	
3	Lime	538	
3	Shale	541	
7	Lime	548	
19	Shale	567	
4	Lime	571	odor
8	Shale	579	
5	Lime	584	
9	Shale	593	
5	Lime	598	
72	Shale	670	
20	Core	690	page 6
3	Sandy Shale	693	
87	Shale	780	TD

Thickness of Strata	Formation	Total Depth	Remarks
	Core		
		670	
3	Shale	673	
3	Shale	676	Sand laminations - very little oil
1.5	Sand	677.5	broken Oil
12.5	sandy shale	690	

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# 804108

Invoice Date: 04/30/15 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC

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

7858834057

BARKIS A-19

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	761.000	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	92.000	11.5000	30.000	740.60
1118B	Premium Gel / Bentonite	255.000	0.2200	30.000	39.27
1111	Sodium Chloride (Granulated Salt)	186.000	0.3900	30.000	50.78
1110A	Kol Seal (50# BAG)	460.000	0.4600	30.000	148.12
4402	2 1/2 Rubber Plug	1.000	29.5000	30.000	20.65

Subtotal	3,156.74
Discounted Amount	947.02
SubTotal After Discount	2,209.72

Amount Due 3,265.96 If paid after 05/30/15

Tax:	76.45
Total:	2,286.17

CONSOLIDATED
Oil Well Services, LLC

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

Invoice #804108 2764 / 2694

TICKET NUMBER 50963
LOCATION Ottawa KS
FOREMAN Fred Mader

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-28-15	3244	Barkis A-19	NW 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	FreMad		
495	DavBec		
675	AlaMad		
548	ArlMcD		

JOB TYPE Longstring HOLE SIZE 5 7/8 HOLE DEPTH 780 CASING SIZE & WEIGHT 2 7/8 EUE
CASING DEPTH 761 DRILL PIPE Baffle in TUBING @ 729 OTHER
SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT In CASING 32' + Plug
DISPLACEMENT 4.24 BBL DISPLACEMENT PSI MIX PSI RATE 4 BPM

REMARKS: Hold Safety meeting Establish pump rate. Mix & Pump 100# Gel Flush. Mix & Pump 92 sks 50/50 Por Mix Cement 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. Fred Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1065.00	
5406	30mi	MILEAGE	495	126.00	
5402	761	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
1040 1124	92sks	50/50 Por Mix Cement		1058.00	
1118B	255#	Premium Gel		56.10	
1111	186#	Granulated Salt		72.54	
1110A	460#	Kol Seal		211.60	
4402	1	2½" Rubber Plug		29.50	
		Material		1427.74	
		Less 30%		-428.32	999.42
			7.65%	SALES TAX	76.45
				ESTIMATED TOTAL	2286.87

Ravin 3737

AUTHORIZTION Bryan Mills TITLE DATE (3265.96)

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.