Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1258795

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 #: ____

04/21/2015	04/22/2015	04/22/2015
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-121-30994-00-00
Spot Description: ____
NW NW SW NW Sec. 17 Twp. 16 S. R. 24 ☑ East ☐ West
3821 Feet from ☐ North / ☑ South Line of Section
5135 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 #: AI-12
Field Name: ____
Producing Formation: Squirrel
Elevation: Ground: 1042 Kelly Bushing: 1042
Total Vertical Depth: 740 Plug Back Total Depth: 692
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: 723
feet depth to: 0 w/ 96 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

1258795

Operator Name: Altavista Energy, Inc. Lease Name: Barkis 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	639	+403

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

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	639-649 - 31 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: Barkis AI-12
Lease Owner: Altavista Energy

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

Commenced Spudding:
4-21-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 5	Soil - Clay	5
1	Lime	6
3	Clay	9
3	Lime	12
70	Shale	82
21	Lime	103
12	Shale	115
11	Lime	126
31	Shale	157
4	Lime	161
39	Shale	200
11	Lime	211
14	Shale	225
25	Lime	250
8	Shale	258
21	Lime	279
4	Shale	283
2	Lime	285
5	Shale	290
8	Lime	298
33	Shale	331
3	Sandy Shale	334
1	Sand	335
1	Sandy Lime	336
3	Sand	339
11	Sand	350
26	Sandy Shale	376
113	Shale	489
5	Lime	494
1	Shale	495
2	Lime	497
3	Shale	500
2	Lime	502
5	Shale	507
7	Lime	514
20	Shale	534
4	Lime	538
10	Shale	548
2	Lime	550
10	Shale	560

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

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

Commenced Spudding:
4-21-2015

6	Lime	566
68	Shale	634
20	Core	654
6	Sandy Shale	660
80	Shale	740 TD

Core		
		634
4.5	Shale	638.5
10	Sand	648.5
5.5	Sandy Shale	654

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 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. AI-12

Elevation 1045

Commenced Spuding 4-21 20 15

Finished Drilling 4-22 20 15

Driller's Name Wesley Dallard

Driller's Name

Driller's Name

Tool Dresser's Name Kyan Weed

Tool Dresser's Name Cole Holcom

Tool Dresser's Name

Contractor's Name TOS

17 16 24

(Section) (Township) (Range)

Distance from S line, 3795 ft.

Distance from E line, 5115 ft.

4 sacks 2 7/8 casing

1 Core

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.
691.	70	Bottle			
					2 7/8
723.	20	Float			
740	TD				

Thickness of Strata	Formation	Total Depth	Remarks
0-5	soil-clay	5	
1	Lime	6	
3	clay	9	
3	Lime	12	
70	Shale	82	
21	Lime	103	
12	Shale	115	
11	Lime	126	
31	Shale	157	
4	Lime	161	
39	Shale	200	
11	Lime	211	
14	Shale	225	
25	Lime	250	
8	Shale	258	
21	Lime	279	
4	Shale	283	
2	Lime	285	
5	Shale	290	
8	Lime	298	Hertha
33	Shale	331	
3	Sandy Shale	334	
1	Sand	335	solid Oil
1	Sandy Lime	336	no Oil
3	Sand	339	broken Oil
11	Sand	350	
26	Sandy Shale	376	

376

Thickness of Strata	Formation	Total Depth	Remarks
113	Shale	489	
5	Lime	494	
1	Shale	495	
2	Lime	497	
3	Shale	500	
2	Lime	502	
5	Shale	507	
7	Lime	514	
20	Shale	534	
4	Lime	538	
10	Shale	548	
2	Lime	550	
10	Shale	560	
6	Lime	566	
68	Shale	634	
20	core	654	
6	sandy shale	660	
80	Shale	740	TD

Thickness of Strata	Formation	Total Depth	Remarks
	core		
		634	
4.5	shale	636.5	
10	sand	648.5	laminated - good oil - perf
5.5	sandy shale	654	

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# 804056

Invoice Date: 04/24/15 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC

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

7858834057

BARKIS #AI-12

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	723.000	0.0000	0.000	0.00
5407	Min. Bulk Delivery Charge	1.000	368.0000	30.000	257.60
5502C	80 Vacuum Truck Cement	2.000	100.0000	30.000	140.00
1124	Poz Cement Mix	96.000	11.5000	30.000	772.80
1118B	Premium Gel / Bentonite	261.000	0.2200	30.000	40.19
1111	Sodium Chloride (Granulated Salt)	202.000	0.3900	30.000	55.15
1110A	Kol Seal (50# BAG)	480.000	0.4600	30.000	154.56
1401	HE 100 Polymer	0.500	47.2500	30.000	16.54
4402	2 1/2 Rubber Plug	1.000	29.5000	30.000	20.65

Subtotal	3,293.13
Discounted Amount	987.94
SubTotal After Discount	2,305.19

Amount Due 3,408.96 If paid after 05/24/15

Tax:	81.08
Total:	2,386.27

CONSOLIDATED
Oil Well Services, LLC

INVOICE# 804056 2717 / 2648

TICKET NUMBER 50947
LOCATION Ottawa KS
FOREMAN Casey Kennedy

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
4/22/15	3244	Barkis #AI-12	NE 17	16	24	MI

CUSTOMER: Alteista Energy
MAILING ADDRESS: PO Box 128
CITY: Wellsville | STATE: KS | ZIP CODE: 66092

TRUCK #	DRIVER	TRUCK #	DRIVER
729	Caskey	Safety	Meeting
467	KeiCar		
558	HarBec		
369	MikHan		

JOB TYPE longstring HOLE SIZE 5 5/8" HOLE DEPTH 740' CASING SIZE & WEIGHT 2 7/8" EUE
CASING DEPTH 723' DRILL PIPE ~~TUBING~~ baffle - 692' OTHER
SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT In CASING 31'
DISPLACEMENT 4.00 bbls DISPLACEMENT PSI MIX PSI RATE 5.5 bpm

REMARKS: held safety meeting, established circulation, mixed + pumped ½ gal Polymer, circulated to condition hole, mixed + pumped 100# Gel, mixed + pumped 96 sks 50/50 Pozmix cement w/ 2% gel, 5% salt, + 5# Kolseal per sk, cement to surface, flushed pump clean, pumped 2½" rubber plug to baffle w/ 4.00 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1085.00	
5406	30 mi	MILEAGE	126.00	
5402	723'	casing footage	—	
5407	min	ton mileage	368.00	
5502C	2 hrs	80 Vac	200.00	
		trucks	1779.00	
		-30%	533.70	
		subtotal		1245.30
989 1124	96 sks	50/50 Pozmix cement	1104.00	
1118B	261 #	Gel	57.42	
1111	202 #	Salt	78.78	
1110A	480 #	Kolseal	220.80	
1401	½ gal	Polymer	23.63	
4402	1	2½" rubber plug	29.50	
		materials	1514.13	
		-30%	454.24	
		subtotal		1059.89
		7.65%	SALES TAX	81.08
Ravin 3737			ESTIMATED TOTAL	2386.27 (3408.96)

Completed

AUTHORIZTION Bryan Mills 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.