Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1258811

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 #:

05/07/2015	05/08/2015	05/08/2015
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-121-31020-00-00
Spot Description:
NW NE SE NW Sec. 17 Twp. 16 S. R. 24 ☑ East ☐ West
3710 Feet from ☐ North / ☑ South Line of Section
2990 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-40
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 1062 Kelly Bushing: 1062
Total Vertical Depth: 780 Plug Back Total Depth: 732
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: 764
feet depth to: 0 w/ 97 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

1258811

Operator Name: Altavista Energy, Inc. Lease Name: Barkis Well #: AI-40

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	684	+378

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	764	50/50 Poz	97	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	684-694 - 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-40
Lease Owner: Altavista Energy

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

Commenced Spudding:
5-7-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 2	Soil - Clay	2
8	Lime	10
15	Shale	25
5	Lime	30
4	Shale	34
1	Lime	35
44	Shale	79
5	Lime	84
15	Shale	99
34	Lime	133
17	Shale	150
13	Lime	163
27	Shale	190
5	Lime	195
39	Shale	234
10	Lime	245
15	Shale	260
24	Lime	284
7	Shale	291
20	Lime	311
4	Shale	315
3	Lime	318
5	Shale	323
9	Lime	330
13	Shale	345
2	Sand	347
18	Sandy Shale	365
23	Sand	388
140	Shale	528
12	Lime	540
7	Shale	547
6	Lime	553
20	Shale	573
4	Lime	577
9	Shale	586
3	Lime	589
8	Shale	597
10	Lime	607
69	Shale	676
2	Dark Shale	678

Miami County, KS
Well: Barkis AI-40
Lease Owner: Altavista Energy

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

Commenced Spudding:
5-7-2015

1	Sandy Shale	679
19	Core	698
17	Sandy Shale	715
65	Shale	780 TD

Core		
		679
3	Sandy Shale	682
6	Sand	688
6	Sand	694
4	Sandy Shale	698

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-40

Farm Barkis

KS (State) Miami (County)

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

For Allavista 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-40

Elevation 1062

Commenced Spuding 5-7 20 15

Finished Drilling ______ 20 ____

Driller's Name ______

Driller's Name ______

Driller's Name ______

Tool Dresser's Name ______

Tool Dresser's Name ______

Tool Dresser's Name ______

Contractor's Name TOS

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

Distance from S line, 3710 ft.

Distance from E line, 2990 ft.

4 sacks

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.

Thickness of Strata	Formation	Total Depth	Remarks
0-2	soil-clay	2	
8	Lime	10	
15	Shale	25	
5	Lime	30	
4	Shale	34	
1	Lime	35	
44	Shale	79	
5	Lime	84	
15	Shale	99	
34	Lime	133	
17	Shale	150	
13	Lime	163	
27	Shale	190	Red bed
5	Lime	195	
39	Shale	234	
10	Lime	245	
15	Shale	260	
24	Lime	284	Water sand
7	Shale	291	
20	Lime	311	Bethany Falls
4	Shale	315	
3	Lime	318	KC
5	Shale	323	
9	Lime	332	Hertha
13	Shale	345	
2	Sand	347	Slight Bleed, Broken
18	Sandy shale	365	

365

Thickness of Strata	Formation	Total Depth	Remarks
23	Sand	388	Grey
140	Shale	528	
12	Lime	540	
7	Shale	547	
6	Lime	553	
20	Shale	573	
4	Lime	577	
9	Shale	586	
3	Lime	589	
8	Shale	597	
10	Lime	607	
69	Shale	676	
2	Dark Shale	678	
1	Sandy Shale	679	Slight Show
19	Core	698	Page 6, Perf 688-694
17	Sandy Shale	715	
65	Shale	780	TD

Thickness of Strata	Formation	Total Depth	Remarks
679	3 feet		
680	Laminated	Oil	Sand, 70% Saturated
681			
682			
683			
684	Solid Sand,		Brown, not much bleed
685	6 Feet		
686			
687			
688			
689			
690	Solid Sand,	Saturated,	bleeding
691	6 Ft	Perf	
692			
693			
694			
695			
696	Sandy	Dead	oil
697	Shale		
698			
3	Sandy Shale	692	
6	Sand	688	Brown, Little bleed
6	Sand	694	Oil, Saturated
4	Sandy Shale	698	Dead oil

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# 804224

Invoice Date: 05/19/15 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC

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

7858834057

BARKIS # AI-40

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'	764.000	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)	2.000	100.0000	30.000	140.00
CC5840	Poz-Blend I A (50:50)	97.000	11.5000	30.000	780.85
CC5965	Bentonite	263.000	0.2200	30.000	40.50
CC5326	Sodium Chloride, Salt	195.000	0.3900	30.000	53.24
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
CC6077	Kolseal	485.000	0.4600	30.000	156.17

Subtotal	3,304.64
Discounted Amount	991.39
SubTotal After Discount	2,313.25

Amount Due 3,398.46 If paid after 06/18/15

Tax:	65.68
Total:	2,378.93

CONSOLIDATED
Oil Well Services, LLC

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

Invoice #804224 2851/2772

TICKET NUMBER 50993
LOCATION Ottawa KS
FOREMAN Fred Mader

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-8-15	3244	Barkis # AI-40	NW 17	16	24	CF

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

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Fre Mad		
467	Rei Car		
369	Mik Haa		
558	Ari McD		

JOB TYPE Long string HOLE SIZE 5⅞ HOLE DEPTH 780 CASING SIZE & WEIGHT 2⅞ EUE
CASING DEPTH 764 DRILL PIPE Baffle in TUBING 732 OTHER
SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT in CASING 31' + Plug
DISPLACEMENT 4.25 BBL DISPLACEMENT PSI MIX PSI RATE 5 BPM

REMARKS: Held Safety meeting. Establish pump rate. Pump ½ Gal NE-100 Polymer. Circulate to condition Hole. Mix + Pump 100# Gel Flush. Mix + Pump 97 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.

TDS Drilling - Jeff Town — 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	MILEAGE	467	1.26	
5402	CE0461 764'	Casing Footage		N/C	
5407	CE0711 Minimum	Ton Miles	558	368.00	
5502C	CE0853 2 hrs	80 BBL Vac Truck		200.00	
		Sub Total		1779.00	
		Less 30%		-533.70	1245.30
1124	CC5840 97 sks	50/50 Poz Mix Cement		11.15.00	
1118B	CC5965 263#	Premium Gel		.57	
1111	CC5319 525#	Granulated Salt		.76	
1110A	CC6077 485#	Kol Seal		.23	
4402	CP8176 1	2½" Rubber Plug		29.50	
1401	½ Gal	NE100 Polymer		23.63	
		Material		1525.14	
		Less 30%		-457.54	1067.60
			7.65%	SALES TAX	45.68
				ESTIMATED TOTAL	2378.93 (3420.81)

Ravin 3737

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.