KOLAR Document ID: 1402877

Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
January 2018
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
☐ Gas ☐ DH ☐ EOR
☐ OG ☐ GSW
☐ 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 EOR ☐ Conv. to SWD
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ EOR Permit #:
☐ GSW Permit #:

11/20/2017 Spud Date or Recompletion Date
11/21/2017 Date Reached TD
11/21/2017 Completion Date or Recompletion Date

API No.: 15-121-31408-00-00
Spot Description:
SW - SE - NW - NW Sec. 21 Twp. 18 S. R. 24 ☑ East ☐ West
4270 Feet from ☐ North / ☑ South Line of Section
4515 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: WINDLER Well #: A-43
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 938 Kelly Bushing: 941
Total Vertical Depth: 560 Plug Back Total Depth: 520
Amount of Surface Pipe Set and Cemented at: 20 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 552
feet depth to: 0 w/ 75 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 0 ppm Fluid volume: 30 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** ☐ **Drill Stem Tests Received**
☐ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** Karen Ritter **Date:** 03/26/2018

Operator Name: Altavista Energy, Inc. Lease Name: WINDLER Well #: A-43

Sec. 21 Twp. 18 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

Geologist Report / Mud Logs ☐ Yes ☑ No

List All E. Logs Run:

Gamma Ray/Neutron/CCL

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Squirrel	492	+446

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	20	Portland	3	NA
Production	5.625	2.875	6.5	552	50/50 Poz	75	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	-			
	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☑ Yes ☐ No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☑ No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/ Injection: 12/14/2017

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	3				

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)*

PRODUCTION INTERVAL:

Top	Bottom
492	501

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*
3	492	501			2" DML RTG

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Altavista Energy, Inc.
Well Name	WINDLER A-43
Doc ID	1402877

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	9.875	7	17	20	Portland	3	NA
Production	5.625	2.875	6.5	552	50/50 Poz	75	See Ticket

Miami County, KS
Well:Windler A-43
Lease Owner:AltaVista

Town Oilfield Service, Inc.
(913) 294-2125

Commenced Spudding:
11/20/17

WELL LOG

Thickness of Strata	Formation	Total Depth
0-15	Soil-Clay	15
9	Lime	24
12	Shale	36
32	Lime	68
7	Shale	75
20	Lime	95
4	Shale	99
2	Lime	101
5	Shale	106
6	Lime	112
21	Shale	133
10	Sand	143
12	Sandy Shale	155
118	Shale	273
11	Limey Sand	284
39	Shale	323
6	Lime	329
5	Shale	334
3	Lime	337
11	Shale	348
11	Lime	359
12	Shale	371
4	Lime	375
14	Shale	389
28	Lime	417
4	Shale	421
2	Lime	423
63	Shale	486
3	Sandy Shale	489
18	Core	507
3	Sandy Shale	510
50	Shale	560-TD

Core		
		489
3	Sandy Shale	492
8	Sand	500
1	Sand & Shale	501
6	Sandy Shale	507

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-43

Farm Winoller

KS (State) Miami (County)

21 (Section) 18 (Township) 24 (Range)

For Altavista Energy inc (Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Windler Farm: Miami County

KS State; Well No. A-43

Elevation 938

Commenced Spuding 11-20 20 17

Finished Drilling 11-21 20 17

Driller's Name Wesley Dollard

Driller's Name Ryan Ward

Driller's Name

Tool Dresser's Name

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

21 (Section) 15 (Township) 24 (Range)

Distance from S line, 4270 ft.

Distance from E line, 45 15 ft.

3 sacks
9 hrs
1 core
5 5/8 borehole

2 7/8 casing

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
7 [illegible]" Set	20	6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
488		Seat nipple			
519.	65	Bottle			
551.	55	Float			
560		TD			

2 7/8

Thickness of Strata	Formation	Total Depth	Remarks
0-15	Soil-clay	15	
9	Lime	24	
12	Shale	36	
32	Lime	68	
7	Shale	75	
20	Lime	95	
4	Shale	99	
2	Lime	101	
5	Shale	106	
6	Lime	112	Hertha
21	Shale	133	
10	Sand	143	broken - good Oil Show
12	Sandy Shale	155	
118	Shale	273	
11	limey sand	284	white - no oil
39	Shale	323	
6	Lime	329	
5	Shale	334	
3	Lime	337	
11	Shale	348	
11	Lime	359	
12	Shale	371	
4	Lime	375	
14	Shale	389	
28	Lime	417	
4	Shale	421	
2	Lime	423	

423

Thickness of Strata	Formation	Total Depth	Remarks
63	Shale	486	
3	Sandy Shale	489	488-489 odor
18	core	507	
3	Sandy shale	510	
50	shale	560	TD
	core		
		489	
3	Sandy Shale	492	no Oil
8	sand	500	solid- good saturation
1	sand & shale	501	laminated - good saturation
6	Sandy Shale	507	no Oil

QES
PRESSURE PUMPING LLC

REMIT TO

QES Pressure Pumping 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# 811806

Invoice Date: 11/27/17 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC

PO BOX 128
WELLSVILLE KS 66092
USA

7858834057

Windler A-43

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	50.000	750.00
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	7.1500	50.000	107.25
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	50.000	330.00
WE0853	80 BBL Vacuum Truck (Cement Services)	2.000	100.0000	50.000	100.00
CC5840	Poz-Blend I A (50:50)	75.000	13.5000	50.000	506.25
CC5965	Bentonite	226.000	0.3000	50.000	33.90
CC5326	Sodium Chloride, Salt	158.000	1.0000	50.000	79.00
CC6077	Kolseal	375.000	0.5000	50.000	93.75
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	50.000	22.50

Subtotal	4,045.30
Discounted Amount	2,022.65
SubTotal After Discount	2,022.65

Amount Due 4,162.96 If paid after 12/27/17

Tax:	58.83
Total:	2,081.48

QES

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

9539
9430

TICKET NUMBER 53918
LOCATION Ottawa KS
FOREMAN Fred Mader

Invoice #811806

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11/21/17	3244	Winder A-43	NW 21	18	21	Mi

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

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Fre Mad		
368	Ala Mad		
369	Mik Haa		
558	Kel Det		

JOB TYPE Long String | HOLE SIZE 5 7/8 | HOLE DEPTH 560' | CASING SIZE & WEIGHT 2 7/8 EUE
CASING DEPTH 552' | DRILL PIPE Baffle in TUBING @ 520 | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING 32' + Plug
DISPLACEMENT 3.02 BBL | DISPLACEMENT PSI | MIX PSI | RATE 3 BPM

REMARKS: Held Safety meeting. Establish Circulation. Mix & Pump 100# Gel Flush. Mix & Pump 75 sks Por Blend I A 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
CE 0450	1	PUMP CHARGE	368	1500.00	
CE 0002	30 mi	MILEAGE	368	2.14.50	
CE 0711	Minimum	Ton Miles Delivery	558	1.60.00	
WE 0853	2 hrs	80 BBL Vac Truck	369	200.00	
		Sub Total		2574.50	
		Less 50%			1287.25
14794 CC 5840	75 sks	Por Blend I A Cement		10.12.50	
CC 5965	226#	Bentonite Gel		.67.50	
CC 5326	158#	Salt		.15.00	
CC 6077	375#	Kol Seal		.1.87.50	
CP 8176	1	2½" Rubber Plug		45.00	
		Sub Total		1470.00	
		Less 50%			735.00
			8%	SALES TAX	58.83
Ravin 3737				ESTIMATED TOTAL	2081.45

AUTHORIZTION Doyle TITLE DATE (4162.90)

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 for