KOLAR Document ID: 1404906

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 #:

11/30/2017 Spud Date or Recompletion Date
12/01/2017 Date Reached TD
12/01/2017 Completion Date or Recompletion Date

API No.: 15-121-31423-00-00
Spot Description:
SW- SW- NW- NW Sec. 21 Twp. 18 S. R. 24 ☑ East ☐ West
4270 Feet from ☐ North / ☑ South Line of Section
5115 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-47
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 920 Kelly Bushing: 923
Total Vertical Depth: 560 Plug Back Total Depth: 512
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: 544
feet depth to: 0 w/ 68 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:** 04/04/2018

Operator Name: Altavista Energy, Inc. Lease Name: WINDLER Well #: A-47

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 *(Attach Additional Sheets)*	☐ Yes	☑ No	☐ Log	Formation (Top), Depth and Datum ☐ Sample
Samples Sent to Geological Survey	☐ Yes	☑ No	Name: Squirrel	Top: 484 Datum: +436
Cores Taken	☑ Yes	☐ No		
Electric Log Run	☐ Yes	☑ No		
Geologist Report / Mud Logs	☐ Yes	☑ No		

List All E. Logs Run:

Gamma Ray/Neutron/CCL

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	544	50/50 Poz	68	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:	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:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

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)*

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-47
Doc ID	1404906

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	544	50/50 Poz	68	See Ticket

Miami County, KS
Well:Windler A-47
Lease Owner:AltaVista

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

Commenced Spudding:
11/30/17

WELL LOG

Thickness of Strata	Formation	Total Depth
0-10	Soil-Clay	10
7	Lime	17
13	Shale	30
34	Lime	64
5	Shale	69
20	Lime	89
4	Shale	93
3	Lime	96
4	Shale	100
7	Lime	107
20	Shale	127
16	Sand	143
17	Sandy Shale	160
106	Shale	266
14	Limey Sand	280
35	Shale	315
6	Lime	321
5	Shale	326
3	Lime	329
3	Shale	332
1	Lime	333
8	Shale	341
8	Lime	349
16	Shale	365
4	Lime	369
16	Shale	385
23	Lime	408
20	Shale	428
1	Lime	429
49	Shale	478
6	Sandy Shale	484
15	Core	499
36	Shale	535
1	Lime	536
24	Shale	560-TD

Core		
		484
1	Sand	485
2	Sandy Shale	487
4	Sand	491
8	Sandy Shale	499

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-47

Farm Winder

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

Winteller Farm: Miami County

KS State; Well No. A-47

Elevation 920

Commenced Spuding 11-30 20 17

Finished Drilling 12-1 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, 5115 ft.

3 sacks
1 core
9 hrs
5 7/8 borehole
2 7/8 casing

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
7 ~~5/8~~" Set	20	6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
480.	10	Seat nipple			
511.	80	Bull plug		2	7/8
543.	50	Float			
560	TD				

Thickness of Strata	Formation	Total Depth	Remarks
0-10	Soil-clay	10	
7	Lime	17	
13	Shale	30	
34	Lime	64	
5	Shale	69	
20	Lime	89	
4	Shale	93	
3	Lime	96	
4	Shale	100	
7	Lime	107	Hertha
20	Shale	127	
16	Sand	143	broken - good oil show
17	Sandy Shale	160	
106	Shale	266	
14	limey sand	280	no oil
35	Shale	315	
6	Lime	321	
5	Shale	326	
3	Lime	329	
3	Shale	332	
1	Lime	333	
8	Shale	341	
8	Lime	349	
16	Shale	365	
4	Lime	369	
16	Shale	385	
23	Lime	408	

458

Thickness of Strata	Formation	Total Depth	Remarks
20	Shale	428	
1	Lime	429	
49	Shale	478	
6	Sandy Shale	484	483-484 odor
15	Core	499	
36	Shale	535	
1	Lime	536	
24	Shale	560	TD
	Core		
		484	
1	Sand	485	solid - good saturation
2	Sandy Shale	487	no oil
4	Sand	491	mostly solid - good saturation
8	Sandy Shale	499	no oil

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# 811969

Invoice Date: 12/05/17 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC

PO BOX 128
WELLSVILLE KS 66092
USA

7858834057

windler #a47

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)	68.000	13.5000	50.000	459.00
CC5965	Bentonite	214.000	0.3000	50.000	32.10
CC5326	Sodium Chloride, Salt	143.000	1.0000	50.000	71.50
CC6077	Kolseal	340.000	0.5000	50.000	85.00
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	50.000	22.50

Subtotal	3,914.70
Discounted Amount	1,957.35
SubTotal After Discount	1,957.35

Amount Due 4,021.92 If paid after 01/04/18

Tax:	53.61
Total:	2,010.96

QES

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

9649
9540

TICKET NUMBER 53922
LOCATION Ottawa KS
FOREMAN Fred Mader

Invoice #811969

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-1-17	3244	Windler # A-47	NW 21	18	24	MI

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

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Fre Mad		
495	Nar Bec		
369	Mik Haa		
558	Arl Mc		

JOB TYPE Longstring HOLE SIZE 5 7/8 HOLE DEPTH 560 CASING SIZE & WEIGHT 2 7/8 EUE
CASING DEPTH 543' DRILL PIPE Baffle in TUBING @ 512 OTHER
SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT in CASING
DISPLACEMENT 3.97 BBL DISPLACEMENT PSI MIX PSI RATE 4 BPM

REMARKS: No H safety meeting. Establish pump rate. Mix Pump 100# Gel Flush. Mix & Pump 68 sks Pre Blend ZA cement 2% Gel 5% Salt 5# Kol Seal/sk. Cement to Surface. Flush pump & lines clean. Displace 2 7/8" 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
CE0450	1	PUMP CHARGE	495	1500.00	
CE0002	30mi	MILEAGE	495	2.15	
CE0711	Minimum	Ton Miles Delivery	558	660.20	
WE0853	2 hrs	80 BBL Vac Truck	369	200.00	
		Sub Total		2574.20	
		Less 50%			1287.10
14918 CC5840	68 SKS	Pre Blend ZA Cement		9.18	
CC5865	214#	Bentonite Gel		6.42	
CC5826	143#	Salt		1.43	
CC6027	340#	Kol Seal		1.70	
CP8176	1	2 7/8" Rubber Plug		45.00	
		Sub Total		1340.20	
		Less 50%			670.10
			8%	SALES TAX	53.61
				ESTIMATED TOTAL	2010.96 (4021.92)

Ravin 3737

AUTHORIZTION 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.