KOLAR Document ID: 1682713

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: 4599 K-33 HIGHWAY
Address 2: PO BOX 128
City: WELLSVILLE State: KS Zip: 66092 + 0128
Contact Person: Phil Frick
Phone: (785) 883-4057
CONTRACTOR: License # 32218
Name: TDR Construction, Inc.
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 #:

09/08/2022 Spud Date or Recompletion Date
09/09/2022 Date Reached TD
09/09/2022 Completion Date or Recompletion Date

API No.: 15-121-31733-00-00
Spot Description:
__ - NE - NW - NW Sec. 21 Twp. 18 S. R. 24 ☑ East ☐ West
5100 Feet from ☐ North / ☑ South Line of Section
4523 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 #: AI-45
Field Name: Block
Producing Formation: Squirrel
Elevation: Ground: 940 Kelly Bushing: 943
Total Vertical Depth: 560 Plug Back Total Depth: 523
Amount of Surface Pipe Set and Cemented at: 21 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 560
feet depth to: 0 w/ 61 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** ☐ **Drill Stem Tests Received**
☐ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** David Befort **Date:** 01/26/2023

Operator Name: Altavista Energy, Inc. Lease Name: WINDLER Well #: AI-45

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:

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

Name	Top	Datum
Squirrel	479	+461

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	21	Portland	4	NA
Production	5.625	2.875	6.5	553	Econobond	61	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 AI-45
Doc ID	1682713

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	21	Portland	4	NA
Production	5.625	2.875	6.5	553	Econobond	61	See Ticket

Miami County, KS
Well:Windler AI-45
Lease Owner:AltaVista

TDR Construction, Inc.
(913) 710-5400

Commenced Spudding:
9/8/22

WELL LOG

Thickness of Strata	Formation	Total Depth
0-6	Soil-Clay	6
7	Lime	13
15	Shale	28
33	Lime	61
5	Shale	66
21	Lime	87
4	Shale	91
3	Lime	94
3	Shale	97
7	Lime	104
21	Shale	125
15	Sand	140
40	Sandy Shale	180
83	Shale	263
10	Sand	273
42	Shale	315
6	Lime	321
12	Shale	333
1	Lime	334
5	Shale	339
8	Lime	347
15	Shale	362
4	Lime	366
6	Shale	372
6	Limey Sand	378
25	Lime	403
7	Shale	410
2	Lime	412
12	Shale	424
4	Lime	428
49	Shale	477
1	Sandy Shale	478
1	Sand	479
9	Sand	488
2	Sandy Shale	490
70	Shale	560-TD

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-45

Farm Windler

KS (State) Miami (County)

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

For Altavista Energy inc (Well Owner)

15-121-31733

Town Oilfield Services, Inc.
1207 N. 1st East
Louisburg, KS 66053
913-710-5400

Windler Farm: Miami County

KS State; Well No. AI-45

Elevation 940

Commenced Spuding 9-8 20 22

Finished Drilling 9-9 20 22

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 TDR

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

Distance from S line, 5115 ft.

Distance from E line, 4515 ft.

4 sacks
8hrs
5 5/8 borehole
2 7/8 casing

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
6¼" Set	21	6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
523.	40	Bottom			
553.	40	Float		2 7/8	
560	TD				

Thickness of Strata	Formation	Total Depth	Remarks
0-6	Soil - clay	6	
7	Lime	13	
15	Shale	28	
33	Lime	61	
5	Shale	66	
21	Lime	87	
4	Shale	91	
3	Lime	94	
3	Shale	97	
7	Lime	104	
21	Shale	125	
15	Sand	140	broken - good oil Show
40	Sandy shale	180	
83	Shale	263	
10	Sand	273	no oil
42	Shale	315	
6	Lime	321	
12	Shale	333	
1	Lime	334	
5	Shale	339	
8	Lime	347	
15	Shale	362	
4	Lime	366	
6	Shale	372	
6	Limey Sand	378	no oil
25	Lime	403	
7	Shale	410	

410

Thickness of Strata	Formation	Total Depth	Remarks
2	Lime	412	
12	Shale	424	
4	Lime	428	
49	Shale	477	
1	Sandy shale	478	no oil
1	Sand	479	broken - good oil show
9	Sand	488	solid - good saturation
2	Sandy shale	490	no oil
70	Shale	560	TD

CEMENT TREATMENT REPORT

Customer:	Altavista Energy	**Well:**	Windler AI-45	**Ticket:**	EP5910
City, State:	Wellsville, KS	**County:**	MI, KS	**Date:**	9/9/2022
Field Rep:	Bryan Miller	**S-T-R:**	21-18-24	**Service:**	Longstring

Downhole Information	
Hole Size:	5 5/8 in
Hole Depth:	560 ft
Casing Size:	2 7/8 in
Casing Depth:	553 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	baffle
Tool Depth:	523.00 ft
Displacement:	3.03 bbls

Calculated Slurry - Lead	
Blend:	Econobond 1# PS
Weight:	13.61 ppg
Water / Sx:	7.12 gal / sk
Yield:	1.56 ft^3 / sk
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	16.95 bbls
Total Sacks:	61 sks

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sk
Yield:	ft^3 / sk
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sks

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
2:00 PM			-	-	on location, held safety meeting
				-	
	4.0			-	established circulation
	4.0			-	mixed and pumped 200# Bentonite Gel followed by 4 bbls fresh water
	4.0			-	mixed and pumped 61 sks Econobond cement with 1# PhenoSeal per sk, cement to surface
	4.0			-	flushed pump clean
	1.0			-	pumped 2 7/8" rubber plug to casing TD with 3.03 bbls fresh water
	1.0			-	pressured to 800 PSI, well held pressure
				-	released pressure to set float valve
	4.0			-	washed up equipment
				-	
3:00 PM				-	left location
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	

	CREW	UNIT
Cementer:	Casey Kennedy	931
Pump Operator:	Nick Beets	239
Bulk:	Trevor Glasgow	246
H2O:	Keith Detwiler	124

SUMMARY		
Average Rate	Average Pressure	Total Fluid
3.1 bpm	- psi	- bbls

ftv: 15-2021/01/25
mplv: 335-2022/08/26