KOLAR Document ID: 1408609

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 #: ____

12/20/2017	12/21/2017	12/21/2017
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-121-31440-00-00
Spot Description: ____
SW - NE - SE - SW Sec. 16 Twp. 18 S. R. 24 ☑ East ☐ West
825 Feet from ☐ North / ☑ South Line of Section
3065 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: HOLTZ Well #: A-8
Field Name: ____
Producing Formation: Squirrel
Elevation: Ground: 974 Kelly Bushing: 977
Total Vertical Depth: 600 Plug Back Total Depth: 551
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: 582
feet depth to: 0 w/ 74 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:** Karen Ritter **Date:** 05/09/2018

Operator Name: Altavista Energy, Inc. Lease Name: HOLTZ Well #: A-8

Sec. 16 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	523	+451

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	582	50/50 Poz	74	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	HOLTZ A-8
Doc ID	1408609

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	582	50/50 Poz	74	See Ticket

Miami County, KS
Well: Holtz A-8
Lease Owner:AltaVista

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

Commenced Spudding:
12/20/2017

WELL LOG

Thickness of Strata	Formation	Total Depth
0-7	Soil-Clay	7
3	Lime	10
47	Shale	57
9	Lime	66
12	Shale	78
34	Lime	112
4	Shale	116
23	Lime	139
4	Shale	143
2	Lime	145
6	Shale	151
4	Lime	155
25	Shale	180
17	Sandy Shale	197
115	Shale	312
10	Sandy Lime	322
39	Shale	361
5	Lime	366
8	Shale	374
5	Lime	379
7	Shale	386
11	Lime	397
12	Shale	409
3	Lime	412
12	Shale	424
26	Lime	450
7	Shale	457
1	Lime	458
61	Shale	519
1	Sandy Shale	520
17	Core	537
63	Shale	600-TD

Core		
		520
3	Sandy Shale	523
2	Sand	525
2	Sand & Sandy Shale	527
3	Sand	530
7	Sandy Shale	537

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-8

Farm Holtz

KS (State) Miami (County)

16 (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

Holtz Farm: Miami County

ICS State; Well No. A-8

Elevation 974

Commenced Spuding 12-20 20 17

Finished Drilling 12-21 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

16 (Section) 18 (Township) 24 (Range)

Distance from S line, 825 ft.

Distance from E line, 3065 ft.

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

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
7 6¾" Set	20	6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
519+		Seat nipple			
550	-70	Barrel		2	7/8
582.	30	Float			
600	TD				

Thickness of Strata	Formation	Total Depth	Remarks
0-7	soil-clay	7	
3	Lime	10	
47	Shale	57	
9	Lime	66	
12	Shale	78	
34	Lime	112	
4	Shale	116	
23	Lime	139	
4	Shale	143	
2	Lime	145	
6	Shale	151	
4	Lime	155	Hertha
25	Shale	180	
17	sandy shale	197	
115	Shale	312	redbed - 308
10	sandy Lime	322	white - no oil
39	Shale	361	
5	Lime	366	
8	Shale	374	
5	Lime	379	
7	Shale	386	
11	Lime	397	
12	Shale	409	
3	Lime	412	
12	Shale	424	
26	Lime	450	
7	Shale	457	

457

Thickness of Strata	Formation	Total Depth	Remarks
1	Lime	458	
61	Shale	519	
1	sandy shale	520	
17	coal	537	
63	Shale	600	
	coal		
		520	
3	sandy shale	523	no oil
2	sand	525	gas - no oil
2	sand & sandy shale	527	laminated oil - good saturation
3	sand	530	solid - good saturation
7	sandy shale	537	

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# 812113

Invoice Date: 12/28/17 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC

PO BOX 128
WELLSVILLE KS 66092
USA

7858834057

HOLTZ #A-8

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	45.000	825.00
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	7.1500	45.000	117.98
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	45.000	363.00
WE0853	80 BBL Vacuum Truck (Cement Services)	2.000	100.0000	45.000	110.00
CC5840	Poz-Blend I A (50:50)	74.000	13.5000	45.000	549.45
CC5965	Bentonite	225.000	0.3000	45.000	37.13
CC5326	Sodium Chloride, Salt	155.000	1.0000	45.000	85.25
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	45.000	24.75
CC6077	Kolseal	370.000	0.5000	45.000	101.75

Subtotal	4,026.00
Discounted Amount	1,811.70
SubTotal After Discount	2,214.30

Amount Due 4,142.12 If paid after 01/27/18

Tax:	63.86
Total:	2,278.17

QES

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

9784
9677

TICKET NUMBER 53949
LOCATION Ottawa KS
FOREMAN Fred Mader

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice #812113

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-21-17	3244	Holtz # A-8	SW 16	18	24	MI

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
Altavista Energy Inc	712	Fre Mad		
MAILING ADDRESS: P.O. Box 128	495	Har Bec		
CITY: Wellsville; STATE: KS; ZIP CODE: 66092	675	Kei Det		
	558	Mik Haa		

JOB TYPE Longstring HOLE SIZE 5 7/8 HOLE DEPTH 600 CASING SIZE & WEIGHT 2 7/8 EUE
CASING DEPTH 582 DRILL PIPE Baffle in TUBING @ 551 OTHER
SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT in CASING 32' & Plug
DISPLACEMENT 3.2 BBL DISPLACEMENT PSI MIX PSI RATE 4BPM

REMARKS: Held Safety meeting. Establish circulation. Mix + Pump 100# Gel Flush. Mix + Pump 74 sks Poz Blend IA 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 700# PSI. Release pressure to set float Valve. Shut in Casing.

TOS Drilling - Wesley & Ryan. Fred Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	495	1500.00	
CE0002	30 mi	MILEAGE	495	214.50	
CE0711	Minimum	Ton Miles Delivery	558	660.00	
WE0853	2 hrs	80 BBL Vac Truck	675	200.00	
		Sub Total		2574.50	
		Less	45% -	1158.53	1415.97
1521K					
CC5840	74 sks	Poz Blend IA Cement		999.00	
CC5965	225#	Bentonite Gel		67.50	
CC5326	155#	Salt		155.00	
CC6077	370#	Kol Seal		185.00	
CP8176	1	2½" Rubber Plug		45.00	
		Sub Total		1451.50	
		Less	45% -	653.18	798.32
			8%	SALES TAX	63.86
				ESTIMATED TOTAL	2278.15 (4142.12)

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.