Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1307097

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 #:

01/27/2016	01/28/2016	01/28/2016
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-121-31222-00-00
Spot Description:
E2 - SE - SE - SE Sec. 8 Twp. 18 S. R. 24 ☑ East ☐ West
330 Feet from ☐ North / ☑ South Line of Section
30 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: John Flake Well #: AI-3
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 933 Kelly Bushing: 933
Total Vertical Depth: 600 Plug Back Total Depth: 548
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: 574
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: 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:** Karen Ritter **Date:** 05/19/2016

[redacted] 1307097

Operator Name: Altavista Energy, Inc. Lease Name: John Flake Well #: AI-3

Sec. 8 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

List All E. Logs Run:

Gamma Ray/Neutron/CCL

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

Name	Top	Datum
Squirrel	504	+429

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	3	NA
Production	5.625	2.875	7	574	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	-			
	-			

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	504-512 - 25 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

Form	ACO1 - Well Completion
Operator	Altavista Energy, Inc.
Well Name	John Flake AI-3
Doc ID	1307097

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	23	Portland	3	NA
Production	5.625	2.875	7	574	50/50 Poz	75	See Ticket

Miami County, KS
Well: JOhn Flake AI-3
Lease Owner: AltaVista

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

Commenced Spudding:
1/27/16

WELL LOG

Thickness of Strata	Formation	Total Depth
0-20	Soil-Clay	20
18	Shale	38
8	Lime	46
12	Shale	58
32	Lime	90
8	Shale	98
20	Lime	118
4	Shale	122
2	Lime	124
5	Shale	129
5	Lime	134
26	Shale	160
2	Limey Sand	162
44	Sandy Shale	206
86	Shale	292
7	Sand	299
47	Shale	346
5	Lime	351
22	Shale	373
4	Lime	377
15	Shale	392
4	Lime	396
12	Shale	408
21	Lime	429
23	Shale	452
3	Lime	455
46	Shale	501
3	Sandy Shale	504
2	Sand & Sandy Shale	506
4	Sand	510
2	Sand & Sandy Shale	512
8	Sandy Shale	520
80	Shale	600-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-3

Farm John Flake

KS (State) Miami (County)

8 (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

John Flake Farm: Miami County

KS State; Well No. AI-3

Elevation 933

Commenced Spuding 1-27 20 16

Finished Drilling 1-28 20 16

Driller's Name Wesley Dollard

Driller's Name

Driller's Name

Tool Dresser's Name Ryan Ward

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

8 18 24

(Section) (Township) (Range)

Distance from S line, 330 ft.

Distance from E line, 30 ft.

3 sacks

8 hrs

5 5/8 borehole

2 7/8 casing

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
6¼" Set	23	6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
547.	80	Bakelite			
573.	50	Float			
600	TD			2	7/8

Thickness of Strata	Formation	Total Depth	Remarks
0-20	Soil - clay	20	
18	Shale	38	
8	Lime	46	
12	Shale	58	
32	Lime	90	
8	Shale	98	
20	Lime	118	
4	Shale	122	
2	Lime	124	
5	Shale	129	
5	Lime	134	Heitha
26	Shale	160	
2	limey sand	162	no Oil
44	Sandy shale	206	
86	Shale	292	
7	Sand	299	water
47	Shale	346	
5	Lime	351	
22	Shale	373	
4	Lime	377	
15	Shale	392	
4	Lime	396	
12	Shale	408	
21	Lime	429	
23	Shale	452	
3	Lime	455	
46	Shale	501	

501

Thickness of Strata	Formation	Total Depth	Remarks
3	Sandy Shale	504	
2	Sand & sandy shale	506	broken - good Oil show
4	Sand	510	solid - good saturation
2	Sand & sandy shale	512	broken - good Oil show
8	sandy shale	520	
80	Shale	600	TD

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# 806949

Invoice Date: 01/31/16 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC

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

7858834057

john flake #ai-3

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	46.000	810.00
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	7.1500	46.000	115.83
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	46.000	356.40
WE0853	80 BBL Vacuum Truck (Cement Services)	1.500	100.0000	46.000	81.00
CC5840	Poz-Blend I A (50:50)	75.000	13.5000	46.000	546.75
CC5965	Bentonite	226.000	0.3000	46.000	36.61
CC5326	Sodium Chloride, Salt	174.000	0.7500	46.000	70.47
CC6077	Kolseal	375.000	0.5000	46.000	101.25
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	46.000	24.30
CC6128	Mud Flush - C	0.500	50.0000	46.000	13.50

Subtotal	3,992.80
Discounted Amount	1,836.69
SubTotal After Discount	2,156.11

Amount Due 4,110.26 If paid after 03/01/16

Tax:	63.43
Total:	2,219.54

CONSOLIDATED
Oil Well Services, LLC

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

Invoice#806949

5252
5161

TICKET NUMBER 49978
LOCATION Ottawa KS
FOREMAN Fred Madden

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-28-16	3244	John Flake #AI3	SE 8	18	24	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		
495	Har Bec		
~~[illegible]~~ 675	Kai Dol		
510	Mik Hea		

JOB TYPE Long string, HOLE SIZE 5 7/8 HOLE DEPTH 600 CASING SIZE & WEIGHT 2 7/8 EUE
CASING DEPTH 593 DRILL PIPE Baffle in TUBING @ 548 OTHER
SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT in CASING
DISPLACEMENT 3.18 BB DISPLACEMENT PSI MIX PSI RATE 4BPM.

REMARKS: Held Safety mutting. Establish pump rate. Pump 1/2 Gal Mud Flush CF. Circulate well to condition hole. Mix & Pump 100# Gel Flush. Mix & Pump 75 sk Por Blend I A Cement 2% Gel 5% Salt 5# Kol Seal/sk. Cement to surface. Flush pump & lines clean. Displace 2 1/2" Rubber plug to Baffle in casing. pressure to 800# PSI. Release pressure to Set Float Valve. Shut in Casing.

TOS Drilling - Wesley Dollard — Fred Madden

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	2.14 50	
CE0711	Minimum	Ton Miles Delivery	510	660.00	
WE0853	1 1/2 hr	80 BBL Vac Truck	675	150.00	
		Sub Total		2524.50	
		Less 46%		-1161.27	1363.23
CC5840	75 sks	Por Blend I A Cement		10.12 50	
CC5965	226#	Bentonite Gel		1.67 50	
CC5326	174#	Salt		1.80 50	
CC6077	375#	Kol Seal		1.87 50	
CP8176	1	2 1/2" Rubber Plug		45.00	
CC6128	1/2 Gal	Mud Flush CF		25.00	
		Sub Total		1468.30	
		Less 46%		-675.42	792.88
			8%	SALES TAX	63.43
				ESTIMATED TOTAL	2219.54

7675

Ravin 3737

AUTHORIZTION Bryan Miles TITLE DATE (4.10.26)

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.