Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1261046

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 #: ____

06/11/2015	06/12/2015	06/12/2015
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-121-30998-00-00
Spot Description: ____
__ - N2 - NW - SW Sec. 17 Twp. 16 S. R. 24 ☑ East ☐ West
2310 Feet from ☐ North / ☑ South Line of Section
4620 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: Stahl Well #: AI-11
Field Name: ____
Producing Formation: Squirrel
Elevation: Ground: 1004 Kelly Bushing: 1004
Total Vertical Depth: 660 Plug Back Total Depth: 655
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: 655
feet depth to: 0 w/ 90 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:** NAOMI JAMES **Date:** 08/13/2015

1261046

Operator Name: Altavista Energy, Inc. Lease Name: Stahl Well #: AI-11

Sec. 17 Twp. 16 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	606	+398

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	19	23	Portland	3	NA
Production	5.625	2.875	7	655	50/50 Poz	90	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	606-618 - 38 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

Miami County, KS
Well: Stahl AI-11
Lease Owner: Altavista Energy

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

Commenced Spudding:
6-11-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 26	Soil - Clay	26
7	Shale	33
30	Lime	63
13	Shale	76
12	Lime	88
8	Shale	96
4	Lime	100
20	Shale	120
5	Lime	125
33	Shale	158
14	Lime	172
15	Shale	187
25	Lime	212
7	Shale	219
20	Lime	239
3	Shale	242
2	Lime	244
3	Shale	247
11	Lime	258
13	Shale	271
5	Sand	276
17	Shale	293
18	Sand	311
144	Shale	455
13	Lime	468
7	Shale	475
7	Lime	482
19	Shale	501
3	Lime	504
9	Shale	513
4	Lime	517
7	Shale	524
9	Lime	533
9	Shale	542
1	Lime	543
61	Shale	604
1	Sandy Shale	605
19	Core	624
36	Shale	660 TD

Miami County, KS
Well: Stahl AI-11
Lease Owner: Altavista Energy

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

Commenced Spudding:
6-11-2015

Core		
		605
1	Shale	606
12	Sand	618
6	Shale	624

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-11

Farm Stahl

KS (State) Miami (County)

17 (Section) 16 (Township) 24 (Range)

For Altavista Energy inc (Well Owner)

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

Stahl Farm: Miami County

KS State; Well No. AI-11

Elevation 1004

Commenced Spuding 6-11 20 15

Finished Drilling 6-12 20 15

Driller's Name Wesley Dollard

Driller's Name

Driller's Name

Tool Dresser's Name Ryan Ward

Tool Dresser's Name Stephen Scott

Tool Dresser's Name

Contractor's Name TOS

17 16 24

(Section) (Township) (Range)

Distance from S line, 2310 ft.

Distance from E line, 4620 ft.

3 sacks
1 Core
14 hrs

5 5/8 borehole

2 7/8 casing

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
7 6¼" Set	23	6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
654.75		Float		2	7/8
660	TD				

Thickness of Strata	Formation	Total Depth	Remarks
0-26	soil- clay	26	
7	Shale	33	
30	Lime	63	
13	Shale	76	
12	Lime	88	
8	Shale	96	
4	Lime	100	
20	Shale	120	
5	Lime	125	
33	Shale	158	
14	Lime	172	
15	Shale	187	
25	Lime	212	
7	Shale	219	
20	Lime	239	
3	Shale	242	
2	Lime	244	
3	Shale	247	
11	Lime	258	Hertha
13	Shale	271	
5	Sand	276	slight show
17	Shale	293	
18	Sand	311	gas odor
144	Shale	455	
13	Lime	468	
7	Shale	475	
7	Lime	482	

482

Thickness of Strata	Formation	Total Depth	Remarks
19	Shale	501	
3	Lime	504	
9	Shale	513	
4	Lime	517	
7	Shale	524	
9	Lime	533	
9	Shale	542	
1	Lime	543	
61	Shale	604	
1	Sandy shale	605	
19	Core	624	Page 6
36	Shale	660	TD

Thickness of Strata	Formation	Total Depth	Remarks
	Cole		
		605	
1	Shale	606	
12	Sand	618	Mostly Sold. good show
6	Shale	624	

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# 804651

Invoice Date: 06/28/15 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC

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

7858834057

STAHL #AI-11

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)	2.000	100.0000	46.000	108.00
CC5840	Poz-Blend I A (50:50)	90.000	13.5000	46.000	656.10
CC5965	Bentonite	251.000	0.3000	46.000	40.66
CC5326	Sodium Chloride, Salt	189.000	0.7500	46.000	76.55
CC6077	Kolseal	450.000	0.5000	46.000	121.50
CC6128	Mud Flush - C	0.500	50.0000	46.000	13.50
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	46.000	24.30

Subtotal	4,301.55
Discounted Amount	1,978.71
SubTotal After Discount	2,322.84

Amount Due 4,433.67 If paid after 07/28/15

Tax:	71.35
Total:	2,394.19

3231
3159

CONSOLIDATED
Oil Well Services, LLC

INVOICE# 804651

TICKET NUMBER 51002
LOCATION Ottawa, KS
FOREMAN Casey Kennedy

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6/12/15	3244	Stahl # AI-11	Sw 17	16	24	MI

CUSTOMER: Altavista Energy
MAILING ADDRESS: PO Box 128
CITY: Wellsville | STATE: KS | ZIP CODE: 66092

TRUCK #	DRIVER	TRUCK #	DRIVER
729	Cas Ken	Safety	Meeting
467	Kei Car		
558	Bru Bir		
369	Arl McD		

JOB TYPE longstring | HOLE SIZE 5 7/8" | HOLE DEPTH 6160' | CASING SIZE & WEIGHT 2 7/8" EUE
CASING DEPTH 6154' | DRILL PIPE | TUBING | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT In CASING
DISPLACEMENT 3.79 bbls | DISPLACEMENT PSI | MIX PSI | RATE 4 bpm

REMARKS: held safety meeting, established circulation, mixed + pumped 1/2 gal Mud Flush, circulated for 1 hr to condition hole, mixed + pumped 100 # Gel followed by 5 bbls fresh water, mixed + pumped 90 sks 50/50 Pozblend cement w/ 2% gel, 5% salt, + 5 # Kolseal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to casing TD w/ 3.79 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	30 mi	MILEAGE	214.50	
CE0711	min	ton mileage	1660.00	
WE0853	2 hrs	80 Vac	200.00	
		trucks	2574.50	
		-46%	1184.27	
		Subtotal		1390.23
1141 CC5840	90 sks	50/50 Pozblend	1215.00	
CC5965	251 #	Gel	75.30	
CC5326	189 #	Salt	141.75	
CC1077	450 #	Kolseal	225.00	
CC1128	1/2 gal	Mud Flush	25.00	
CP8176	1	2 1/2" rubber plug	45.00	
		materials	1727.05	
		-46%	794.44	
		Subtotal		932.61
		7.65%	SALES TAX	71.35
			ESTIMATED TOTAL	2394.18 (4433.67)

Ravin 3737

AUTHORIZTION Bryan Mills 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.