Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1260960

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 #: ____

05/20/2015	05/22/2015	05/22/2015
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-121-31022-00-00
Spot Description: ____
SE - NE - NW - SW Sec. 17 Twp. 16 S. R. 24 ☑ East ☐ West
2145 Feet from ☐ North / ☑ South Line of Section
4125 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 #: A-11
Field Name: ____
Producing Formation: Squirrel
Elevation: Ground: 1024 Kelly Bushing: 1024
Total Vertical Depth: 700 Plug Back Total Depth: 665
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: 693
feet depth to: 0 w/ 87 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

1260960

Operator Name: Altavista Energy, Inc. Lease Name: Stahl Well #: A-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 (Attach Additional Sheets) ☐ Yes ☑ No

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	636	+388

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	4	NA
Production	5.625	2.875	7	693	50/50 Poz	87	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	636-642 - 19 Perfs - 2" DML RTG		

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 07/07/2015

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	2				

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 A-11
Lease Owner: Altavista Energy

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

Commenced Spudding:
5-20-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 8	Soil - Clay	8
5	Sand Stone	13
2	Lime	15
5	Sand Stone	20
11	Shale	31
7	Lime	38
22	Shale	60
34	Lime	94
15	Shale	109
11	Lime	120
7	Shale	127
5	Lime	132
19	Shale	151
5	Lime	156
37	Shale	193
11	Lime	204
15	Shale	219
25	Lime	244
8	Shale	252
20	Lime	272
3	Shale	275
3	Lime	278
3	Shale	281
10	Shale	291
13	Lime	304
4	Sand	308
13	Shale	321
25	Sandy Shale	346
138	Shale	484
5	Lime	489
2	Shale	491
6	Lime	497
5	Shale	502
10	Lime	512
18	Shale	530
3	Lime	533
10	Shale	543
5	Lime	548
9	Shale	557
6	Lime	563

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

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

Commenced Spudding:
5-20-2015

19	Shale	582
3	Lime	585
51	Shale	636
1	Sand	637
20	Core	657
13	Sandy Shale	670
30	Shale	700 TD

Core		
		637
3.5	Sand	640.5
1.5	Shale	655.5
1.5	Sandy Shale	657

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-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. A-11

Elevation 1024

Commenced Spuding 5-20 20 15

Finished Drilling 5-22 20 15

Driller's Name Wesley Dolland

Driller's Name

Driller's Name

Tool Dresser's Name Ryan Ward

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

17 16 24

(Section) (Township) (Range)

Distance from S line, 2145 ft.

Distance from E line, 4125 ft.

4 sacks 5 5/8 borehole

2 7/8 casing

1 core

9 hrs

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
7 0/4" Set	23	6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
635.	05	seat		nipple	
665.	35	Baffle			
693		Float		2 7/8	
700	TD				

Thickness of Strata	Formation	Total Depth	Remarks
0-8	Soil - clay	8	
5	Sandstone	13	
2	Lime	15	
5	Sandstone	20	
11	Shale	31	
7	Lime	38	
22	Shale	60	
34	Lime	94	
15	Shale	109	
11	Lime	120	
7	Shale	127	
5	Lime	132	
19	Shale	151	redbed
5	Lime	156	
37	Shale	193	
11	Lime	204	
15	Shale	219	
25	Lime	244	
8	Shale	252	
20	Lime	272	
3	Shale	275	
3	Lime	278	
3	Shale	281	
10	Lime	291	Hertha
13	Shale	304	
4	Sand	308	broken Oil - slight show
13	Shale	321	

321

Thickness of Strata	Formation	Total Depth	Remarks
25	Sandy shale	346	
138	Shale	484	
5	Lime	489	
2	Shale	491	
6	Lime	497	
5	Shale	502	
10	Lime	512	
18	Shale	530	
3	Lime	533	
10	Shale	543	
5	Lime	548	
9	Shale	557	
6	Lime	563	
19	Shale	582	
3	Lime	585	
51	Shale	636	
1	Sand	637	solid 0:1 - perf
20	Core	657	page 6
13	sandy shale	670	
30	Shale	700	TD

Thickness of Strata	Formation	Total Depth	Remarks
	Core		
		637	
3.5	sand	640.5	solid 0.1 - good saturation Perf
15	shale	655.5	
1.5	sandy shale	657	

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# 804354

Invoice Date: 05/31/15

Terms: Net 30

Page 1

ALTAVISTA ENERGY INC

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

7858834057

STAHL #A-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
CE0710	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)	87.000	13.5000	46.000	634.23
CC5965	Bentonite	246.000	0.3000	46.000	39.85
CC5326	Sodium Chloride, Salt	161.000	0.7500	46.000	65.21
CC6077	Kolseal	435.000	0.5000	46.000	117.45
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	46.000	24.30

Subtotal	4,156.05
Discounted Amount	1,911.78
SubTotal After Discount	2,244.27

Amount Due 4,280.86 If paid after 06/30/15

Tax:	67.40
Total:	2,311.67

2974
2901

CONSOLIDATED
Oil Well Services, LLC

Invoice #804354

TICKET NUMBER 51007
LOCATION Ottawa KS
FOREMAN Fred Mader

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
5-22-15	3244	Stahl # A-11	SW 17	16	24	Mi

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

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Fre Mad		
467	Kei Car		
369	Mik Haa		
558	Kei Def		

JOB TYPE Longstring | HOLE SIZE 5 7/8 | HOLE DEPTH 700 | CASING SIZE & WEIGHT 2 7/8 EUE
CASING DEPTH 693 | DRILL PIPE Baffle in | TUBING @ 665 | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING 28' + Plug
DISPLACEMENT 3.8 BBL | DISPLACEMENT PSI | MIX PSI | RATE 4 BPM

REMARKS: Held Safety meeting. Establish pump rate. Mix & Pump 100# Bel Flush. Mix & Pump 87 SKS Poz Blend IA (50/50) Cement 2% Gel 5% Salt 5# Kol Seal/sk. Cement to surface Flush pump & lines Clean. Displace 2 3/4" Rubber plug to baffle. Pressure to 800# PSI. Release pressure to set Float Valve. Shut in Casing.

Tas Drilling - Wes. Fred Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	467	1500.00	
CE0002	30	MILEAGE	467	3.14.50	
CE0710	Minimum	Ton Miles	558	660.00	
WE0853	1½ hr	80 BBL Vac Truck	369	150.00	
		Sub Total			2524.50
CC5840	87 SKs	Poz Blend IA Cement		11.74.50	
CC5965	246#	Bentonite Gel		7.38	
CC5326	161#	Sodium Chloride		1.20.25	
CC6077	435#	Kolseal		2.17.50	
CP8176	1	2 7/8" Rubber Plug		45.00	
		Sub Total		1631.55	
		Total			4156.05
		Discount (46%)			- 1911.78
		Total			2244.27
			7.65%	SALES TAX	67.40
				ESTIMATED TOTAL	2311.67

(4280.86)

Ravin 3737

AUTHORIZTION Doug 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.