Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1173648

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 #:

11/12/2013	11/13/2013	11/13/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-045-21993-00-00
Spot Description:
SE - SW - NW - SW Sec. 1 Twp. 15 S. R. 20 ☑ East ☐ West
1324 Feet from ☐ North / ☑ South Line of Section
4784 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: Douglas
Lease Name: Baldwin Unit Well #: AI-25
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 1078 Kelly Bushing: 1078
Total Vertical Depth: 960 Plug Back Total Depth: 915
Amount of Surface Pipe Set and Cemented at: 64 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 947
feet depth to: 0 w/ 135 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:** Deanna Garrison **Date:** 12/19/2013

[redacted] 1173648

Operator Name: Altavista Energy, Inc. Lease Name: Baldwin Unit Well #: AI-25

Sec. 1 Twp. 15 S. R. 20 ☑ East ☐ West County: Douglas

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/Nutron/CCL

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

Name	Top	Datum
Squirrel	856	+222

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	64	Portland	8	NA
Production	5.625	2.875	7	947	50/50 Poz	135	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
2	856-870 - 30 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

Douglas County, KS
Well:Baldwin Unit AI-25
Lease Owner:Altavista

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

Commenced Spudding:
11/12/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-41	soil/clay	41
9	lime	50
138	shale	188
4	lime	192
8	shale	200
14	lime	214
7	shale	221
8	lime	229
5	shale	234
23	lime	257
27	shale	254
18	lime	302
17	shale	319
57	shale	376
19	lime	395
1	shale	396
2	lime	398
18	shale	416
7	lime	423
15	shale	438
8	sand	446
18	lime	464
18	shale	482
23	lime	505
8	shale	513
23	lime	136
4	shale	540
4	lime	544
4	shale	548
7	lime	555
165	shale	720
5	lime	725
7	shale	732
1	lime	733
11	shale	744
3	lime	747
21	shale	768
2	lime	770
38	shale	808
1	lime	809

Douglas County, KS
Well:Baldwin Unit AI-25
Lease Owner:Altavista

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

Commenced Spudding:
11/12/2013

3	shale	812
1	lime	813
1	shale	814
1	lime	815
3	shale	818
4	sandy shale	822
4	sand	826
20	sand	846
28	sand	874
2	black sand	876
2	sandy lime	878
82	shale	960-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-25

Farm Baldwin Unit

KS (State) Douglas (County)

1 (Section) 15 (Township) 20 (Range)

For Altavista Energy (Well Owner)

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

Baldwin Unit Farm: Douglas County

KS State; Well No. AI-25

Elevation 1075

Commenced Spuding Nov 12 20 13

Finished Drilling Nov 13 20 13

Driller's Name Wesley Dollard

Driller's Name

Driller's Name

Tool Dresser's Name Greg Perry

Tool Dresser's Name Ryan Ward

Tool Dresser's Name

Contractor's Name TOS

1 15 20

(Section) (Township) (Range)

Distance from S line, 1320 ft.

Distance from E line, 4785 ft.

8 Sacks

11 hrs

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
7 3/4" Set	64	6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
915.	05	Baffle			
946.	70	Float			
				2	7/8

Thickness of Strata	Formation	Total Depth	Remarks
0-41	soil - clay	41	
9	Lime	50	
138	Shale	188	
4	Lime	192	
8	Shale	200	
14	Lime	214	
7	Shale	221	
8	Lime	229	
5	Shale	234	
23	Lime	257	Shells
27	Shale	284	Some Sand - no Oil
18	Lime	302	
17	Shale	319	Sandy
57	Shale	376	
19	Lime	395	
1	Shale	396	
2	Lime	398	
18	Shale	416	
7	Lime	423	
15	Shale	438	
8	Sand	446	no Oil
18	Lime	464	
18	Shale	482	
23	Lime	505	
8	Shale	513	
23	Lime	536	
4	Shale	540	

540

Thickness of Strata	Formation	Total Depth	Remarks
4	Lime	544	
4	Shale	548	
7	Lime	555	
165	Shale	720	Heitha
5	Lime	725	
7	Shale	732	
1	Lime	733	
11	Shale	744	
3	Lime	747	
21	Shale	768	
2	Lime	770	
38	Shale	808	
1	Lime	809	
3	Shale	812	
1	Lime	813	
1	Shale	814	
1	Lime	815	
3	Shale	818	
4	sandy Shale	822	
4	Sand	826	grey - no oil
20	sand	846	broken - brown odor - no sho
28	Sand	874	mostly solid - good sho
2	black sand	876	dead oil
2	sandy lime	878	no oil
82	Shale	960	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. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE Invoice # 263987

Invoice Date: 11/18/2013 Terms: 0/0/30,n/30 Page 1

ALTAVISTA ENERGY INC
4595 K-33 HIGHWAY
P.O. BOX 128
WELLSVILLE KS 66092
(785)883-4057

BALDWIN UNIT AI-25
44831
SW 1-15-20
11-13-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	135.00	11.5000	1552.50
1118B	PREMIUM GEL / BENTONITE	327.00	.2200	71.94
1111	SODIUM CHLORIDE (GRANULA	261.00	.3900	101.79
1110A	KOL SEAL (50# BAG)	675.00	.4600	310.50
1401	HE 100 POLYMER	.50	47.2500	23.63
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

	Description	Hours	Unit Price	Total
370	80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00
548	MIN. BULK DELIVERY	1.00	368.00	368.00
666	CEMENT PUMP	1.00	1085.00	1085.00
666	EQUIPMENT MILEAGE (ONE WAY)	20.00	4.20	84.00
666	CASING FOOTAGE	946.00	.00	.00

Parts:	2089.86	Freight:	.00	Tax:	149.42 AR	3956.28
Labor:	.00	Misc:	.00	Total:	3956.28	
Sublt:	.00	Supplies:	.00	Change:	.00	

Signed _____ Date _____

CONSOLIDATED
Oil Well Services, LLC

263987

TICKET NUMBER 44831
LOCATION Ottawa
FOREMAN Alan 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
11-13-13	3244	Baldwin Unit AJ-25	SW 1	15	20	OG

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

TRUCK #	DRIVER	TRUCK #	DRIVER
516	Ala Mad	Safety	Meet
666	Gar Mon		
370	Ke: Car		
548	Mik Hag		

JOB TYPE long string | HOLE SIZE 5 3/8 | HOLE DEPTH 960 | CASING SIZE & WEIGHT 2 7/8
CASING DEPTH 946 | DRILL PIPE | TUBING | OTHER 915
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING yes
DISPLACEMENT 5.3 | DISPLACEMENT PSI 800 | MIX PSI 200 | RATE 4 bpm

REMARKS: Held meeting. Established rate down casing. Mixed and pumped 1/2 gal polymer, Circulated into new pit 70 cement then well. Mixed & pumped 100 # gel followed by 135 sk 50/50 cement plus 2% gel 5% salt, 5 # Kolseal per sack, Circulated cement. Flushed pump Pumped plug to baffle, Well held 800 PSI, set float Closed valve.

TOS, Wes

Alan Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	666		1085.00
5406	20	MILEAGE	666		84.00
5402	946'	casing footage	666		—
5407	min	ton miles	548		368.20
5502C	2	80 vac	370		180.00
1124	135	50/50 cement			1552.50
1118B	327 #	gel			71.94
1111	261 #	salt			101.79
1110A	675 #	Kolseal			310.50
1401	1/2 gal	polymer			23.63
4402	1	2 1/2 plug			29.50
				SALES TAX	149.42
				ESTIMATED TOTAL	3956.28

completed

Ravin 3737

no company rep

AUTHORIZTION Jim OK'd 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