Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1193739

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 #: ____

01/22/2014	01/25/2014	01/25/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-045-22064-00-00
Spot Description: ____
SE - SW - SW - SW Sec. 36 Twp. 14 S. R. 20 ☑ East ☐ West
165 Feet from ☐ North / ☑ South Line of Section
4785 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: Jim Bell Well #: A-15
Field Name: ____
Producing Formation: Squirrel
Elevation: Ground: 1049 Kelly Bushing: 1049
Total Vertical Depth: 900 Plug Back Total Depth: 844
Amount of Surface Pipe Set and Cemented at: 44 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: ____ Feet
If Alternate II completion, cement circulated from: 876
feet depth to: 0 w/ 128 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:** 03/13/2014

[redacted] 1193739

Operator Name: Altavista Energy, Inc. Lease Name: Jim Bell Well #: A-15

Sec. 36 Twp. 14 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/Neutron/CCL

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

Name	Top	Datum
Squirrel	821	+228

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	44	Portland	8	NA
Production	5.625	2.875	7	876	50/50 Poz	128	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	821-831 - 31 Perfs - 2" DML RTG		

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

Date of First, Resumed Production, SWD or ENHR. 03/07/2014

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	3				

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:Jim Bell A-15
Lease Owner:Altavista

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

Commenced Spudding:
01/22/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-23	soil/clay	23
6	lime	29
9	shale	38
3	lime	41
134	shale	175
8	lime	183
5	shale	188
2	lime	190
3	shale	193
14	lime	207
7	shale	214
8	lime	222
5	shale	227
59	lime	286
20	sandy shale	306
54	shale	360
23	lime	383
19	shale	402
7	lime	409
14	shale	423
11	sand	434
18	lime	452
14	shale	466
25	lime	491
6	shale	497
25	lime	522
4	shale	526
3	lime	529
4	shale	533
6	lime	539
180	shale	719
7	lime	726
5	shale	731
6	lime	737
4	shale	741
9	lime	750
15	shale	765
5	lime	770
7	shale	777
9	lime	786

Douglas County, KS
Well:Jim Bell A-15
Lease Owner:Altavista

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

Commenced Spudding:
01/22/2014

20	shale	806
1	lime	807
3	shale	810
1	lime	811
5	shale	816
1	lime	817
1	shale	818
1	sand	819
2	sand	821
5	sand	826
5	sand	831
2	sand	833
2	sand	835
65	sandy shale	900-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. A-15

Farm Jim Bell

KS (State) Douglas (County)

36 (Section) 14 (Township) 20 (Range)

For Altavista Energy inc (Well Owner)

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

Jim Bell Farm: Douglas County

KS State; Well No. A-15

Elevation 1049

Commenced Spuding Jan 22 20 14

Finished Drilling Jan 25 20 14

Driller's Name Wesley Dollard

Driller's Name

Driller's Name

Tool Dresser's Name Greg Perry

Tool Dresser's Name Cole Holcomb

Tool Dresser's Name

Contractor's Name TOS

36 14 20

(Section) (Township) (Range)

Distance from S line, 165 ft.

Distance from E line, 4785 ft.

8 sacks

16 hrs

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
7 6¼" Set	44	6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.

Thickness of Strata	Formation	Total Depth	Remarks
0-23	soil-clay	23	
6	Lime	29	
9	Shale	38	
3	Lime	41	
134	Shale	175	
8	Lime	183	
5	Shale	188	
2	Lime	190	
3	Shale	193	
14	Lime	207	
7	Shale	214	
8	Lime	222	
5	Shale	227	
59	Lime	286	Shells
20	Sandy Shale	306	
54	Shale	360	
23	Lime	383	
19	Shale	402	
7	Lime	409	
14	Shale	423	
11	Sand	434	no Oil
18	Lime	452	
14	Shale	466	
25	Lime	491	
6	Shale	497	
25	Lime	522	
4	Shale	526	

526

Thickness of Strata	Formation	Total Depth	Remarks
3	Lime	529	
4	Shale	533	
6	Lime	539	Hertha
180	Shale	719	
7	Lime	726	
5	Shale	731	
6	Lime	737	
4	Shale	741	
9	Lime	750	
15	Shale	765	
5	Lime	770	
7	Shale	777	
9	Lime	786	
20	Shale	806	
1	Lime	807	
3	Shale	810	
1	Lime	811	
5	Shale	816	
1	Lime	817	
1	Shale	818	
1	Sand	819	no Oil
2	Sand	821	broken - 10% oil
5	Sand	826	solid oil
5	Sand	831	mostly solid
2	Sand	833	broken - 5% oil
2	Sand	835	no Oil
65	Sandy Shale	900	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 # 265649

Invoice Date: 01/29/2014 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

J. BELL A-15
44996
SW 36-14-20
01-25-2014
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	128.00	11.5000	1472.00
1118B	PREMIUM GEL / BENTONITE	415.00	.2200	91.30
1111	SODIUM CHLORIDE (GRANULA	247.00	.3900	96.33
1110A	KOL SEAL (50# BAG)	640.00	.4600	294.40
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
503	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	880.00	.00	.00

Parts:	1983.53	Freight:	.00	Tax:	141.83 AR	3842.36
Labor:	.00	Misc:	.00	Total:	3842.36	
Sublt:	.00	Supplies:	.00	Change:	.00	

Signed _____ Date _____

CONSOLIDATED
Oil Well Services, LLC

2065649

TICKET NUMBER 44996
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
11/25/14	3244	J. Bell # A-15	SW 36	14	20	DG

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

TRUCK #	DRIVER	TRUCK #	DRIVER
729	Casken	✓	Safety Meeting
Lelde	GarMog	✓	
503	MikHea	✓	
370	JasRic	✓	

JOB TYPE longstring | HOLE SIZE 5 5/8" | HOLE DEPTH 900' | CASING SIZE & WEIGHT 2 7/8" EUE
CASING DEPTH 880' | DRILL PIPE | ~~TUBING~~ baffle - 850' | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING 30'
DISPLACEMENT 4.92 bbls | DISPLACEMENT PSI | MIX PSI | RATE 5bpm

REMARKS: held safety meeting, established circulation, mixed + pumped 200 # Premium Gel followed by 10 bbls fresh water, mixed + pumped 128 sks 50/50 Pozmix cement w/ 2% gel, 5% salt, + 5 # Kolseal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 4.92 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
5401	1	PUMP CHARGE		1085.00 ✓
5406	20 mi	MILEAGE		84.00 ✓
5402	880'	casing footage		— ✓
5407	minimum	ton mileage		368.00 ✓
5502C	2 hrs	80 Vac		180.00 ✓
1124	128 sks	50/50 Pozmix cement		1472.00 ✓
1118B	415 #	Premium Gel		91.30 ✓
1111	247 #	Salt		96.30 ✓
1110A	640 #	Kolseal		294.40 ✓
4402	1	2 1/2" rubber plug		29.50 ✓
		7.15%	SALES TAX	141.83 ✓
			ESTIMATED TOTAL	3862.36 ✓

completed

Ravin 3737

AUTHORIZTION Brian Miller 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.