Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1193614

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 #:

01/08/2014	01/09/2014	01/09/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-045-22058-00-00
Spot Description:
NW SE SW SW Sec. 36 Twp. 14 S. R. 20 ☑ East ☐ West
495 Feet from ☐ North / ☑ South Line of Section
4455 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-13
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 1062 Kelly Bushing: 1062
Total Vertical Depth: 900 Plug Back Total Depth: 852
Amount of Surface Pipe Set and Cemented at: 42 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 882
feet depth to: 0 w/ 114 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:** 03/12/2014

[redacted] 1193614

Operator Name: Altavista Energy, Inc. Lease Name: Jim Bell Well #: A-13

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	+241

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	42	Portland	8	NA
Production	5.625	2.875	7	882	50/50 Poz	114	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-13
Lease Owner:Altavista

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

Commenced Spudding:
1/08/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-29	soil/clay	29
5	shale	34
2	lime	36
8	shale	44
5	lime	49
133	shale	182
8	lime	190
10	shale	200
13	lime	213
7	shale	220
8	lime	228
5	shale	233
61	lime	294
16	shale	310
56	shale	366
23	lime	389
17	shale	406
8	lime	414
15	shale	429
8	sand	437
20	lime	457
16	shale	473
17	lime	490
1	shale	491
5	lime	496
7	shale	503
24	lime	527
4	shale	531
4	lime	535
4	shale	539
6	lime	545
174	shale	719
6	lime	725
18	shale	743
10	lime	753
12	shale	765
3	lime	768
11	shale	779
3	lime	782
4	shale	786

Douglas County, KS
Well:Jim Bell A-13
Lease Owner:Altavista

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

Commenced Spudding:
1/08/2014

2	lime	788
24	shale	812
1	lime	813
4	shale	817
2	sandy shale	819
2	sand and sandy shale	821
1	sand	822
9	sand	831
3	sand and sandy shale	834
66	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-13

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-13

Elevation 1062

Commenced Spuding Jan 8 20 14

Finished Drilling Jan 9 20 14

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

36 14 20

(Section) (Township) (Range)

Distance from S line, 495 ft.

Distance from E line, 4455 ft.

8 sacks

8 hrs

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
7 6¼" Set	42	6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
820		Seat Nipple			
852		Baffle			
882		Float		2 7/8	

Thickness of Strata	Formation	Total Depth	Remarks
0-29	soil - clay	29	Sandy
5	Shale	34	
2	Lime	36	
8	Shale	44	
5	Lime	49	
133	Shale	182	
8	Lime	190	
10	Shale	200	
13	Lime	213	
7	Shale	220	
8	Lime	228	
5	Shale	233	
61	Lime	294	Shells
16	Shale	310	Some Sand - no Oil
56	Shale	366	
23	Lime	389	
17	Shale	406	
8	Lime	414	
15	Shale	429	
8	Sand	437	no Oil
20	Lime	457	
16	Shale	473	
17	Lime	490	
1	Shale	491	
5	Lime	496	
7	Shale	503	
24	Lime	527	

527

Thickness of Strata	Formation	Total Depth	Remarks
4	Shale	531	
4	Lime	535	
4	Shale	539	
6	Lime	545	Hertha
174	Shale	719	
6	Lime	725	
18	Shale	743	
10	Lime	753	
12	Shale	765	
3	Lime	768	
11	Shale	779	
3	Lime	782	
4	Shale	786	
2	Lime	788	
24	Shale	812	
1	Lime	813	
4	Shale	817	
2	Sandy shale	819	
2	Sand & Sandy Shale	821	broken Oil - poor show
1	Sand	822	broken - 50% Oil
9	Sand	831	mostly solid - good show
3	Sand & Sandy shale	834	broken - very little Oil
66	Sandy Shale	900	no Oil - 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 # 265221

Invoice Date: 01/13/2014 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-13
44981
SW 36-14-20
01-09-2014
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	114.00	11.5000	1311.00
1118B	PREMIUM GEL / BENTONITE	292.00	.2200	64.24
1111	SODIUM CHLORIDE (GRANULA	220.00	.3900	85.80
1110A	KOL SEAL (50# BAG)	570.00	.4600	262.20
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

	Description	Hours	Unit Price	Total
368	CEMENT PUMP	1.00	1085.00	1085.00
368	EQUIPMENT MILEAGE (ONE WAY)	20.00	4.20	84.00
368	CASING FOOTAGE	883.00	.00	.00
370	80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00
558	MIN. BULK DELIVERY	1.00	368.00	368.00

Parts:	1752.74	Freight:	.00	Tax:	125.32 AR	3595.06
Labor:	.00	Misc:	.00	Total:	3595.06	
Sublt:	.00	Supplies:	.00	Change:	.00	

Signed _____ Date _____

265221

CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 44981
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
1-9-14	3244	J. Bell A-13	SW 36	14	20	DG

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

TRUCK #	DRIVER	TRUCK #	DRIVER
330	AlaMad	Safety	Meet
368	DerMas		
370	KeiCar		
558	MatCoc		

JOB TYPE long string | HOLE SIZE 5 7/8 | HOLE DEPTH 900 | CASING SIZE & WEIGHT 2 7/8
CASING DEPTH 883 | DRILL PIPE | TUBING | OTHER SF 852
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING yes
DISPLACEMENT 5 | DISPLACEMENT PSI 800 | MIX PSI 200 | RATE 4 bpm

REMARKS: Held meeting. Established rate down casing. Mixed & pumped 100# gel followed by 114 sks 50/50 cement plus 2% gel, 5% salt, 5# Kol seal per sack. Circulated cement. Flushed pump. Pumped plug to baffle. Well held 800 PSI. Set float closed valve.

T.O.S. Wes

Alan Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368		1085.00
5406	20	MILEAGE	368		84.00
5402	883	casing footage	368		—
5407	min	ton miles	558		368.00
5502C	2	80 vac	370		180.00
1124	114	50/50 cement			1311.00
1118B	292#	gel			64.24
1111	220#	Salt			85.80
1110A	570#	Kol seal			262.20
4402	1	2½ plug			29.50
				SALES TAX	125.32
				ESTIMATED TOTAL	3595.06

completed

Ravin 3737

AUTHORIZTION Bryan 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.