KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1157432

Form ACO-1
June 2009
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:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [ ] D&A
- [x] 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
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

07/13/2013	07/15/2013	07/15/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-059-26441-00-00
Spot Description:
SE - SW - NW - SW Sec. 24 Twp. 15 S. R. 20 [x] East [ ] West
1470 Feet from [ ] North / [x] South Line of Section
4780 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Franklin
Lease Name: Williams Well #: AI-4
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 1029 Kelly Bushing: 1029
Total Depth: 860 Plug Back Total Depth: 821
Amount of Surface Pipe Set and Cemented at: 21 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 851
feet depth to: 0 w/ 106 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

- [ ] **Letter of Confidentiality Received**
  Date:
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [x] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrison **Date:** 09/09/2013

Side Two

[redacted] 1157432

Operator Name: Altavista Energy, Inc. Lease Name: Williams Well #: AI-4

Sec. 24 Twp. 15 S. R. 20 ☑ East ☐ West County: Franklin

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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
Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

Gamma Ray/Neutron/CCL

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

Name	Top	Datum
Squirrel	1029	+261

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	21	Portland	3	NA
Production	5.625	2.875	7	851	50/50 Poz	106	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	-			
	-			

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	768-782 - 44 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

Franklin County, KS
Well: Williams AI-4
Lease Owner: Altavista

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

Commenced Spudding:
7/13/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-30	soil - clay	30
80	shale	110
5	lime	115
2	shale	117
16	lime	133
8	shale	141
10	lime	151
6	shale	157
59	lime	216
10	sandy shale	226
12	sand	238
55	shale	293
21	lime	314
5	shale	319
2	sandy lime	321
3	sandy shale	324
9	shale	333
8	lime	341
27	shale	368
9	lime	377
6	shale	383
2	lime	385
16	shale	401
22	lime	423
8	shale	431
23	lime	454
4	shale	458
3	lime	461
3	shale	464
7	lime	471
112	shale & sandy shale	83
14	sand	597
3	sandy shale	600
18	shale	618
10	shale & lime	628
13	shale	641
8	lime	649
18	shale	667
9	lime	676
11	shale	687

Franklin County, KS
Well: Williams AI-4
Lease Owner: Altavista

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

Commenced Spudding:
7/13/2013

3	lime	690
17	shale	707
3	lime	710
20	shale	730
2	lime	732
5	shale	737
13	shale & lime	750
3	sandy shale	753
19	sand	772
10	sand	782
2	sandy lime	784
10	shale	794
5	sand	799
4	sandy shale	803
57	shale	860- 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-4

Farm Williams

KS (State) Franklin (County)

24 (Section) 15 (Township) 20 (Range)

For Altavista Energy inc (Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Williams Farm: Franklin County

KS State; Well No. A1-4

Elevation

Commenced Spuding July 13 20 13

Finished Drilling July 15 20 13

Driller's Name Wesley Dallard

Driller's Name

Driller's Name

Tool Dresser's Name Ryan Ward

Tool Dresser's Name Greg Perry

Tool Dresser's Name

Contractor's Name TOS

24 15 20

(Section) (Township) (Range)

Distance from S line, 1470 ft.

Distance from E line, 4750 ft.

3 sacks

8 hrs

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
7 6¾" Set	21	6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
820.	65	Baffle			
851.	20	float			
				2	7/8

Thickness of Strata	Formation	Total Depth	Remarks
0-30	Soil - clay	30	
80	Shale	110	
5	Lime	115	
2	Shale	117	
16	Lime	133	
8	Shale	141	
10	Lime	151	
6	Shale	157	
59	Lime	216	shells
10	Sandy shale	226	
12	Sand	238	no Oil
55	Shale	293	
21	Lime	314	
5	Shale	319	
2	Sandy lime	321	
3	Sandy shale	324	
9	Shale	333	redbed
8	Lime	341	
27	Shale	368	
9	Lime	377	
6	Shale	383	
2	Lime	385	
16	Shale	401	
22	Lime	423	
8	Shale	431	
23	Lime	454	
4	Shale	458	

458

Thickness of Strata	Formation	Total Depth	Remarks
3	Lime	461	
3	Shale	464	
7	Lime	471	Hertha
112	shale & sandy shale	583	
14	Sand	597	no Oil
3	Sandy shale	600	
18	Shale	618	
10	shale & lime	628	
13	Shale	641	
8	Lime	649	
18	Shale	667	
9	Lime	676	
11	Shale	687	
3	Lime	690	
17	Shale	707	
3	Lime	710	
20	Shale	730	
2	Lime	732	
5	Shale	737	Perf bottom 14' 768-782
13	shale & lime	750	
3	Sandy shale	753	
19	Sand	772	mostly solid - good show
10	Sand	782	solid - good saturation
2	Sandy lime	784	25% oil
10	Shale	794	
5	Sand	799	odor - no show
4	Sandy shale	803	

803

Thickness of Strata	Formation	Total Depth	Remarks
57	shale	560	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 # 260562

Invoice Date: 07/16/2013 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

WILLIAMS AI-4
42169
24-15-20
07-15-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	106.00	11.5000	1219.00
1118B	PREMIUM GEL / BENTONITE	278.00	.2200	61.16
1111	SODIUM CHLORIDE (GRANULA	205.00	.3900	79.95
1110A	KOL SEAL (50# BAG)	530.00	.4600	243.80
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50
1401	HE 100 POLYMER	.50	47.2500	23.63

	Description	Hours	Unit Price	Total
368	80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00
495	CEMENT PUMP	1.00	1085.00	1085.00
495	EQUIPMENT MILEAGE (ONE WAY)	20.00	4.20	84.00
495	CASING FOOTAGE	851.00	.00	.00
503	MIN. BULK,DELIVERY	1.00	368.00	368.00

Parts:	1657.04	Freight:	.00	Tax:	126.77 AR		3500.81
Labor:	.00	Misc:	.00	Total:	3500.81		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed _____ Date _____

CONSOLIDATED
Oil Well Services, LLC

260562

TICKET NUMBER 42169
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
7.15.13	3244	Williams # AI-4	SW 24	15	20	FR

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

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Fre Mad		
495	Kei Car		
368	Dar Mas		
503	Dan Dat		

JOB TYPE Long string | HOLE SIZE 5 7/8 | HOLE DEPTH 860 | CASING SIZE & WEIGHT 2 7/8 EUE
CASING DEPTH 851 | DRILL PIPE Baffle in | TUBING @ 620' | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT In CASING 2½" Plug + 31'
DISPLACEMENT 4.77 BBL | DISPLACEMENT PSI | MIX PSI | RATE 5BPM

REMARKS: Hold crew meeting. Establish pump rate. Pump ½ Gal HE100 Polymer. Circulate to condition hole. Mix & Pump 100# Gel Flush. Mix & Pump 106 sks 50/50 Po Mix Cement 2% Gel 5% Salt 5# Kol Seal/sk. Cement to surface. Flush pump & lines clean. Displace 2½" Rubber Plug to Baffle. Pressure to 800# PSI. Release pressure to set Float valve. Shut in Casing

705 Drilling: Wes — Fred Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495		1085.00
5406	20 mi	MILEAGE	495		84.00
5402	851	Casing Footage			N/C
5407	Minimum	Ton Miles	503		368.00
5502C	2 hrs	80 BBL Vac Truck	368		160.00
1124	106 sks	50/50 Po Mix Cement			1219.00
1118B	278#	Premium Gel			61.16
1111	205#	Granulated Salt			79.95
1110A	530#	Kol Seal			243.80
4402	1	2½" Rubber Plug			27.50
1401	½ Gal	HE-100 Polymer			23.63
			7.65%	SALES TAX	126.77
				ESTIMATED TOTAL	3500.81

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.