



KANSAS CORPORATION COMMISSION 1157394  
OIL & GAS CONSERVATION DIVISION

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 # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date           Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_- Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

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: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1157394

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

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 <i>(Amount and Kind of Material Used)</i>	Depth

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 Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Franklin County, KS  
Well:Williams A-4  
Lease Owner:AltaVista

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

Commenced Spudding:  
7/6/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-25	Soil-Clay	25
75	Shale	100
6	Lime	106
2	Shale	108
16	Lime	124
7	Shale	131
10	Lime	141
7	Shale	148
59	Lime	207
16	Sandy Shale	223
4	Sand	227
57	Shale	284
22	Lime	306
5	Shale	311
2	Sandy Lime	313
4	Sandy Shale	317
4	Shale	321
4	Shale	325
7	Lime	332
28	Shale	360
8	Lime	368
7	Shale	375
2	Lime	377
15	Shale	392
23	Lime	415
9	Shale	424
23	Lime	447
3	Shale	450
3	Lime	453
3	Shale	456
6	Lime	462
6	Shale	468
14	Sandy Shale	482
9	Shale	491
9	Sandy Shale	500
75	Shale	575
11	Sand	586
7	Sandy Shale	593
18	Shale	611
9	Shale	620



# Short Cuts

## TANK CAPACITY

BBLS. (42 gal.) equals  $D^2 \times .14 \times h$

D equals diameter in feet.

h equals height in feet.

## BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals  $BPH \times PSI \times .0004$

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 -  $RPM \times d$  over  $SPM \times R$

d -  $SPM \times R \times D$  over RPM

SPM -  $RPM \times D$  over  $R \times d$

R -  $RPM \times D$  over  $SPM \times d$

BELT LENGTH -  $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

\* Need these to figure belt length

TO FIGURE AMPS:  $\frac{WATTS}{VOLTS} = AMPS$

746 WATTS equal 1 HP

# Log Book

Well No. A-4

Farm Williams

KS Franklin  
(State) (County)

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

For Altavista Energy inc  
(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Voice mail 200 surface  
Mike 100 long string

Williams Farm: Franklin County

KS State; Well No. A-4

Elevation 1009

Commenced Spuding July 6 20 13

Finished Drilling July 8 20 13

Driller's Name Wesley Dollard

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, 4450 ft.

2 sacks

8 hrs

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
738-		scat	ripples		
800.15		Baffle			
628.55		floc			
					2 7/8

CASING AND TUBING RECORD

- 10" Set \_\_\_\_\_ 10" Pulled \_\_\_\_\_
- 8" Set \_\_\_\_\_ 8" Pulled \_\_\_\_\_
- 70" Set 21 \_\_\_\_\_ 6 1/2" Pulled \_\_\_\_\_
- 4" Set \_\_\_\_\_ 4" Pulled \_\_\_\_\_
- 2" Set \_\_\_\_\_ 2" Pulled \_\_\_\_\_

Thickness of Strata	Formation	Total Depth	Remarks
0-25	Soil-clay	25	
75	Shale	100	
6	Lime	106	
2	Shale	108	
16	Lime	124	
7	Shale	131	
10	Lime	141	
7	Shale	148	
59	Lime	207	
16	sandy shale	223	shells
4	sand	227	no Oil
57	Shale	284	
22	Lime	306	
5	Shale	311	
2	sandy lime	313	
4	sandy shale	317	
4	shale	321	
4	shale & lime	325	
7	Lime	332	
28	Shale	360	
8	Lime	368	
7	Shale	375	
2	Lime	377	
15	Shale	392	
23	Lime	415	
9	Shale	424	
23	Lime	447	

447

Thickness of Strata	Formation	Total Depth	Remarks
3	Shale	450	
3	Lime	453	
3	Shale	456	
6	Lime	462	
6	Shale	468	Hertha
14	sandy shale	482	
9	shale	491	some sand - no Oil
9	sandy shale	500	
75	Shale	575	
11	Sand	586	no oil
7	sandy shale	593	
18	Shale	611	
9	shale & lime	620	
13	shale	633	
7	Lime	640	
8	shale	648	
3	Lime	651	
10	Shale	661	
9	Lime	670	
11	Shale	681	
3	Lime	684	
17	Shale	701	
2	Lime	703	
13	Shale	716	redbed
1	Lime	717	
5	Shale	722	
3	Lime	725	



725

Thickness of Strata	Formation	Total Depth	Remarks
4	shale	729	
6	shale & lime	735	
5	sand	740	broken 25% oil <sup>pool</sup> show
6	sand	746	mostly solid - good show
6	sand	752	broken 50% oil
10	sand	762	mostly solid - good show
10	sand	772	solid - great saturation
17	shale	789	
5	sand	794	broken - odor no show
46	sandy shale	840	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 # 260336

Invoice Date: 07/11/2013 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 A-4  
42150  
24-15-20  
07-08-2013  
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	104.00	11.5000	1196.00
1118B	PREMIUM GEL / BENTONITE	275.00	.2200	60.50
1111	SODIUM CHLORIDE (GRANULA	201.00	.3900	78.39
1110A	KOL SEAL (50# BAG)	520.00	.4600	239.20
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
495 CEMENT PUMP	1.00	1085.00	1085.00
495 EQUIPMENT MILEAGE (ONE WAY)	.00	4.20	.00
495 CASING FOOTAGE	828.00	.00	.00
548 MIN. BULK DELIVERY	1.00	368.00	368.00
675 80 BBL VACUUM TRUCK (CEMENT)	1.50	90.00	135.00

Parts:	1627.22	Freight:	.00	Tax:	124.49	AR	3339.71
Labor:	.00	Misc:	.00	Total:	3339.71		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_

Date \_\_\_\_\_

BARTLESVILLE, OK 918/338-0808    EL DORADO, KS 316/322-7022    EUREKA, KS 620/583-7664    PONCA CITY, OK 580/762-2303    OAKLEY, KS 785/672-8822    OTTAWA, KS 785/242-4044    THAYER, KS 620/839-5269    GILLETTE, WY 307/686-4914    CUSHING, OK 918/225-2650



**CONSOLIDATED**  
Oil Well Services, LLC

260336

TICKET NUMBER 42150

LOCATION Ottawa KS

FOREMAN Fred Maden

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
7.8.13	3244	Williams # A-4	SW 24	15	20	FR
CUSTOMER Alta Vista Energy Inc			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS P.O. Box 128			712	Fred Mad		
CITY Wellsville		STATE KS	495	Har Bec		
ZIP CODE 66092			675	Kei Des		
			548	Mik Haa		

JOB TYPE log string HOLE SIZE 5 7/8 HOLE DEPTH 890 CASING SIZE & WEIGHT 2 7/8 EUF  
 CASING DEPTH 5280 DRILL PIPE Baffle m TUBING @ 800' OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 28' x Plug  
 DISPLACEMENT 4.65 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5 Bpm

REMARKS: Hold crew meeting. Establish pump rate. Pump 1/2 Gal HE-100  
Flush. Circulate to condition hole. Mix Pump 100\* Gal Flush. Mix  
Pump 104 sks 50/50 Poz Mix Cement 2 7/8 Gal 5% Salt 5\* Hal Seal/sk  
Cement to surface. Flush pump & lines clean. Displace 2 1/2"  
Rubber plug to baffle. Pressure to 800\* PSI. Release pressure  
to set float valve. Shut in casing.

TOS Drilling. Wes

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1068.00
5406	-	MILEAGE		N/C
5402	828	Casing Footage		N/C
5407	Minimum	Ton Miles	548	368.00
55020	1 1/2 hr	80 BBL Vac Truck	675	135.00
1124	104 sks	50/50 Poz Mix Cement		1196.00
1188	275 #	Premium Gel		60.50
1111	201 #	Granulated Salt		75.39
11019	520 #	Hal Seal		239.20
4402	1	2 1/2" Rubber Plug		29.50
1401	1/2 Gal	HE-100 Polymer		23.63
			7.65%	124.49
			SALES TAX ESTIMATED TOTAL	3339.71

completed

Authorized by No Co Rep on Site  
 J. Green 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.