



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1258860  
OIL & GAS CONSERVATION DIVISION

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 # \_\_\_\_\_

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

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

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

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

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

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

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

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

Total Vertical 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

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



1258860

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

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

**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 <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  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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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 <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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Miami County, KS  
 Well: Barkis A-14  
 Lease Owner: Altivista Energy

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

Commenced Spudding:  
 4-14-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 13	Soil - Clay	13
13	Lime	26
72	Shale	98
19	Lime	117
12	Shale	129
11	Lime	140
2	Shale	142
10	Sandy Shale	152
19	Shale	171
3	Lime	174
38	Shale	212
12	Lime	224
15	Shale	239
25	Lime	264
8	Shale	272
21	Lime	293
3	Shale	296
3	Lime	299
4	Shale	303
9	Lime	312
13	Shale	325
5	Sand	330
16	Shale	346
4	Sand	350
5	Sand	355
3	Sand	358
22	Sandy Shale	380
125	Shale	505
2	Lime	507
2	Shale	509
1	Lime	510
10	Shale	520
7	Lime	527
19	Shale	546
6	Lime	552
7	Shale	559
4	Lime	563
7	Shale	570
3	Lime	573
2	Shale	575





# 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 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 -  $RPM \times d$  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-14

Farm Barkis

KS Miami  
(State) (County)

17 16 24  
(Section) (Township) (Range)

For Altavista Energy inc  
(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400



Thickness of Strata	Formation	Total Depth	Remarks
0-13	soil-clay /	13	
13	Lime	26	
72	Shale	98	
19	Lime	117	
12	Shale	129	
11	Lime	140	
2	Shale	142	
10	sandy shale	152	
19	Shale	171	red bed
3	Lime	174	
38	Shale	212	
12	Lime	224	
15	Shale	239	
25	Lime	264	
8	Shale	272	
21	Lime	293	
3	Shale	296	
3	Lime	299	
4	Shale	303	
9	Lime	312	Hertha
13	Shale	325	
5	Sand	330	odor - no show
16	Shale	346	
4	Sand	350	grey - no oil
5	Sand	355	heavy oil - OK show
3	Sand	358	no oil
22	sandy shale	380	



380

Thickness of Strata	Formation	Total Depth	Remarks
125	Shale	505	
2	Lime	507	
2	Shale	509	
1	Lime	510	
10	Shale	520	
7	Lime	527	
19	Shale	546	
6	Lime	552	
7	Shale	559	
4	Lime	563	
7	Shale	570	
3	Lime	573	
2	Shale	575	
2	Lime	577	
72	Shale	649	
20	Core	669	
18	sandy shale	687	page 6
53	Shale	740	TD

Thickness of Strata	Formation	Total Depth	Remarks
	Core		
		649	
2	shale	651	
per f 8	sand	659	broken - mostly solid - <sup>OK</sup> saturation
10	sandy shale	669	



REMIT TO  
 Consolidated Oil Well Services, LLC  
 Dept:970  
 P.O.Box 4346  
 Houston, TX 77210-4346

MAIN OFFICE

P.O.Box884  
 Chanute, KS 66720  
 620/431-9210, 1-800/467-8676  
 Fax 620/431-0012

Invoice Invoice# 804015

Invoice Date: 04/17/15 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC  
 4595 K-33 HWY, PO BOX 128  
 WELLSVILLE KS 66092  
 USA  
 7858834057

BARKIS #A-14

Part No	Description	Quantity	Unit Price	Discount(%)	Total
5401	Cement Pumper	1.000	1,085.0000	30.000	759.50
5406	Mileage Charge	30.000	4.2000	30.000	88.20
5402	Casing Footage	712.000	0.0000	0.000	0.00
5407	Min. Bulk Delivery Charge	1.000	368.0000	30.000	257.60
5502C	80 Vacuum Truck Cement	1.500	100.0000	30.000	105.00
1124	Poz Cement Mix	93.000	11.5000	30.000	748.65
1118B	Premium Gel / Bentonite	256.000	0.2200	30.000	39.42
1111	Sodium Chloride (Granulated Salt)	187.000	0.3900	30.000	51.05
4402	2 1/2 Rubber Plug	1.000	29.5000	30.000	20.65
1110A	Kol Seal (50# BAG)	465.000	0.4600	30.000	149.73

Subtotal 3,171.15  
 Discounted Amount 951.35  
 SubTotal After Discount 2,219.80

Amount Due 3,281.47 If paid after 05/17/15

Tax: 77.22  
 Total: 2,297.02



**CONSOLIDATED**  
Oil Well Services, LLC

2682  
2612

TICKET NUMBER 50938  
LOCATION Ottawa KS  
FOREMAN Fred Maden

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**INVOICE #8405**  
**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-15-15	3244	Barkis # A-14	NW 17	16	22	M
CUSTOMER Alta Vista Energy			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS P.O. Box 128			712	FrcMadt		
CITY Wellsville			495	Harbec		
STATE KS			675	Kai Det		
ZIP CODE 66092			548	Ar1McD		

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 740' CASING SIZE & WEIGHT 2 7/8 EUF  
CASING DEPTH 712 DRILL PIPE \_\_\_\_\_ TUBING 6 5/8 681' OTHER \_\_\_\_\_  
SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 31' + Plug  
DISPLACEMENT 3.96 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 BPM

REMARKS: Hold Safety meeting. Establish pump rate. Mix + Pump 100# Gel Flush. Mix + Pump 93 sks 50/50 Por Mix Cement 2% Gel 5% Salt 5# Kol 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 Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085 <sup>00</sup>
5406	30 mi	MILEAGE	495	126 <sup>00</sup>
5402	712	Casing Footage	N/C	
5407	Minimum	Ten Miles	548	368 <sup>00</sup>
5502C	1 1/2 hr	80 BBL Vac Truck	675	150 <sup>00</sup>
		Sub Total		1729 <sup>00</sup>
		Less 30%		518 <sup>20</sup>
				1210 <sup>80</sup>
1124	93 sks	50/50 Por Mix Cement		1069 <sup>50</sup>
1118B	256 #	Premium Gel		56 <sup>32</sup>
1111	187 #	Granulated Salt		72 <sup>23</sup>
1110A	465 #	Kol Seal		213 <sup>20</sup>
		Material		1412 <sup>65</sup>
4402	1	2 1/2" Rubber Plug		29 <sup>50</sup>
		Less 30%		-432 <sup>65</sup>
		Total		1009 <sup>50</sup>
		7.65%	SALES TAX	77 <sup>23</sup>
			ESTIMATED TOTAL	2297 <sup>02</sup>

AVS  
Ravin 3737  
AUTHORIZATION Bryan Hill TITLE \_\_\_\_\_ DATE 328147

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.