



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1244108  
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: \_\_\_\_\_



1244108

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: Owen AI-51  
 Lease Owner: Altavista Energy

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

Commenced Spudding:  
 1/22/15

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 10	Soil - Clay	10
1	Lime	11
4	Shale	15
2	Lime	17
41	Shale	58
14	Lime	72
10	Shale	82
29	Lime	111
8	Shale	119
25	Lime	144
5	Shale	149
3	Lime	152
3	Shale	155
6	Lime	161
22	Shale	183
37	Sand & Sandy Shale	220
40	Shale	260
4	Sand	264
28	Shale	292
5	Sandy Lime	297
5	Sandy Shale	302
13	Shale	315
9	Lime	324
52	Shale	376
7	Lime	383
11	Shale	394
3	Lime	397
14	Shale	411
7	Lime	418
26	Shale	444
8	Lime	452
4	Shale	456
14	Sand	470
15	Sandy Shale	485
72	Shale	557
1	Lime	558
15	Shale	573
2	Sand	575
5	Sand	580
6	Sand & Sandy Shale	586



# 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. AI-51

Farm Owen

KS  
(State)

Missi  
(County)

8  
(Section)

18  
(Township)

22  
(Range)

For Altavista Energy inc  
(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

OWEN Farm: Miami County  
KS State; Well No. AI-51  
 Elevation 886  
 Commenced Spuding 1-22 20 15  
 Finished Drilling 1-23 20 15  
 Driller's Name Wesley Dollard  
 Driller's Name \_\_\_\_\_  
 Driller's Name \_\_\_\_\_  
 Tool Dresser's Name Ryan Ward  
 Tool Dresser's Name \_\_\_\_\_  
 Tool Dresser's Name \_\_\_\_\_  
 Contractor's Name TOS  
8 18 22

(Section) (Township) (Range)  
 Distance from S line, 5115 ft.  
 Distance from E line, 2805 ft.  
 4 sacks Bonus well  
 9 hrs  
 5 5/8 base hole  
 2 7/8 casing

**CASING AND TUBING RECORD**

10" Set \_\_\_\_\_ 10" Pulled \_\_\_\_\_  
 8" Set \_\_\_\_\_ 8" Pulled \_\_\_\_\_  
 7 3/4" Set 20 6 1/4" Pulled \_\_\_\_\_  
 4" Set \_\_\_\_\_ 4" Pulled \_\_\_\_\_  
 2" Set \_\_\_\_\_ 2" Pulled \_\_\_\_\_

**CASING AND TUBING MEASUREMENTS**

Feet	In.	Feet	In.	Feet	In.
633.	60	Baffle			
665.	35	Flat			2 7/8
680	TD				

397

Thickness of Strata	Formation	Total Depth	Remarks
14	shale	411	
7	Lime	418	
26	Shale	444	
8	Lime	452	
4	shale	456	
14	Sand	470	broken - slight show
15	sandy shale	485	
72	shale	557	
1	Lime	558	
15	shale	573	
2	sand	575	broken - 25% oil
5	sand	580	mostly solid - good show
6	sand & sandy shale	586	broken - 50/50 - good show in sand
26	shale	612	
68	sand	680	water - TD



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# 803167

Invoice Date: 01/28/15 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC  
 4595 K-33 HIGHWAY  
 WELLSVILLE KS 66092  
 USA  
 7858834057

OWEN # AI-51

Part No	Description	Quantity	Unit Price	Discount(%)	Total
5401	Cement Pumper	1.000	1,085.0000	0.000	1,085.00
5406	Mileage Charge	25.000	4.2000	0.000	105.00
5402	Casing Footage	665.000	0.0000	0.000	0.00
5407	Min. Bulk Delivery Charge	1.000	368.0000	0.000	368.00
5502C	80 Vacuum Truck Cement	2.000	100.0000	0.000	200.00
1124	Poz Cement Mix	91.000	11.5000	30.000	732.55
1118B	Premium Gel / Bentonite	253.000	0.2200	30.000	38.96
1111	Sodium Chloride (Granulated Salt)	191.000	0.3900	30.000	52.14
1110A	Kol Seal (50# BAG)	455.000	0.4600	30.000	146.51
4402	2 1/2 Rubber Plug	1.000	29.5000	0.000	29.50
1401	HE 100 Polymer	0.500	47.2500	0.000	23.63

Subtotal 3,197.08  
 Discounted Amount 415.79  
 SubTotal After Discount 2,781.29

Amount Due 3,307.16 If paid after 02/27/15

Tax: 78.28  
 Total: 2,859.57





**CONSOLIDATED**  
Oil Well Services, LLC

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

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

1945  
/1889

Invoice #803167

TICKET NUMBER 50765

LOCATION Owens, KS

FOREMAN Cory Kennedy

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1/23/15	3244	Owens # AI-51	NE 8	18	22	L11
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Altavista Energy			729	Cas Ken	Safety	Waiting
MAILING ADDRESS			660	Kei Car		
PO Box 128			558	Bro Bic		
CITY	STATE	ZIP CODE	309	Mik Ha		
Wellsville	KS	66092				

JOB TYPE low string HOLE SIZE 5 7/8" HOLE DEPTH 1080' CASING SIZE & WEIGHT 2 7/8" EVE  
 CASING DEPTH 1065' DRILL PIPE -TUBING- 6 1/2" - 1033' OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 32'  
 DISPLACEMENT 3.6 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4.5 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 1/2 gal polymer, circulated well for 1 hr, to condition hole, mixed & pumped 1100 # gel followed by 10 bbls fresh water, mixed & pumped 91 sks 50/50 Pozmix cement w/ 2 1/2 gal, 5% salt, & 5 # Kal seal per sk, remount to surface, flushed pump clean, pumped 2 1/2" rubber plug to casing, 1000 # bbls w/ 3.6 bbls fresh water, pressured to 200 PSI, released pressure, shut in casing.

*BT*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00
5406	25 mi	MILEAGE		105.00
5402	665'	Casing footage		
5407	minimum	for mileage		368.00
5502c	2 hrs	80 Vac		200.00
1124	91 sks	50/50 Pozmix cement	1046.50	
1118B	253 #	Gel	55.66	
1111	191 #	Salt	74.49	
1110A	455 #	Kal seal	209.30	
		materials	1385.95	
		-30%	415.79	
		subtotal		970.16
4402	1	2 1/2" rubber plug		29.50
1401	1/2 gal	Polymer		23.63
			3307.17	
		7.65%	SALES TAX	78.28
			ESTIMATED TOTAL	2859.57

Ravin 3737

**Completed**  
Bryan Miller

AUTHORIZATION \_\_\_\_\_ 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.