



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1193593  
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: \_\_\_\_\_

1193593

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____						
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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Douglas County, KS  
Well: Jim Bell A-9  
Lease Owner: AltaVista

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

Commenced Spudding:  
12/12/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-13	Soil-Clay	13
11	Shale	24
2	Lime	26
8	Shale	34
4	Lime	38
135	Shale	173
7	Lime	180
8	Shale	188
14	Lime	202
8	Shale	210
7	Lime	217
6	Shale	223
26	Lime	249
1	Shale	250
39	Lime	289
68	Shale	357
19	Lime	376
1	Shale	377
4	Lime	381
17	Shale	398
6	Lime	404
15	Shale	419
10	Sand	429
20	Lime	449
16	Shale	465
25	Lime	490
6	Shale	496
24	Lime	520
4	Shale	524
4	Lime	528
4	Shale	532
6	Lime	538
173	Shale	711
6	Lime	717
16	Shale	733
9	Lime	742
13	Shale	755
3	Lime	758
39	Shale	797
1	Lime	798



# 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-9

Farm Jim Bell

KS Douglas  
(State) (County)

1 15 20  
(Section) (Township) (Range)

For Altavista Energy  
(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-9

### CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
506.	75	2nd	ni	301-	e
836.	35	3rd	ni		e
564.	95	FL	ont		
					27/8

Elevation 1051  
Commenced Spuding Dec 12 2013  
Finished Drilling Dec 13 2013  
Driller's Name Wesley Dellard  
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  
1 15 20

(Section) (Township) (Range)  
Distance from S line, 5115 ft.  
Distance from E line, 4455 ft.

7 sacks  
8 hrs

### CASING AND TUBING RECORD

10" Set \_\_\_\_\_ 10" Pulled \_\_\_\_\_  
8" Set \_\_\_\_\_ 8" Pulled \_\_\_\_\_  
7 3/4" Set 46 6 3/4" Pulled \_\_\_\_\_  
4" Set \_\_\_\_\_ 4" Pulled \_\_\_\_\_  
2" Set \_\_\_\_\_ 2" Pulled \_\_\_\_\_

Thickness of Strata	Formation	Total Depth	Remarks
0-13	soil. clay	13	
11	shale	24	
2	lime	26	
8	shale	34	
4	lime	38	
135	shale	173	
7	lime	180	
8	shale	188	
14	lime	202	
8	shale	210	
7	lime	217	
6	shale	223	
26	lime	249	
1	shale	250	
39	lime	289	
68	shale	357	
19	lime	376	
1	shale	377	
4	lime	381	
17	shale	398	
6	lime	404	
15	shale	419	
10	sand	429	no oil
20	lime	449	
16	shale	465	
25	lime	490	
6	shale	496	

496

Thickness of Strata	Formation	Total Depth	Remarks
24	Lime	520	
4	Shale	524	
4	Lime	528	
4	Shale	532	
6	Lime	538	Heather
173	Shale	711	
6	Lime	717	
16	Shale	733	
9	Lime	742	
13	Shale	755	
3	Lime	758	
39	Shale	797	
1	Lime	798	
10	Shale	808	
1	Sand	809	no oil - odor
13	Sand	822	mostly solid poor saturation
3	Sand	825	broken oil
75	sandy shale	900	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 # 264870

Invoice Date: 12/19/2013 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

JIM BELL A-9  
44920  
NW 1-15-20  
12-13-2013  
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	118.00	11.5000	1357.00
1118B	PREMIUM GEL / BENTONITE	398.00	.2200	87.56
1111	SODIUM CHLORIDE (GRANULA	228.00	.3900	88.92
1110A	KOL SEAL (50# BAG)	590.00	.4600	271.40
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50
Description		Hours	Unit Price	Total
558	MIN. BULK DELIVERY	1.00	368.00	368.00
675	80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00
57	CEMENT PUMP	1.00	1085.00	1085.00
57	EQUIPMENT MILEAGE (ONE WAY)	20.00	4.20	84.00
57	CASING FOOTAGE	874.00	.00	.00

Parts: 1834.38 Freight: .00 Tax: 131.17 AR 3682.55  
Labor: .00 Misc: .00 Total: 3682.55  
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

264890

TICKET NUMBER: 44920

LOCATION: Atowa, KS

FOREMAN: Casen Kennedy

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
12/13/13	3244	Jim Bell # A-9	NW 1	15	20	DG

  

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
AltaVista Energy MAILING ADDRESS PO Box 128 CITY: Wellsville STATE: KS ZIP CODE: 66092	729	Cas Ken	✓ Safety Meeting	
	57	Gar Moo	✓	
	558	Mat Coc	✓	
	675	Kei Det	✓	

JOB TYPE: longstring HOLE SIZE: 5 5/8" HOLE DEPTH: 900' CASING SIZE & WEIGHT: 2 7/8" EUE  
 CASING DEPTH: 874' DRILL PIPE: \_\_\_\_\_ TUBING: baffle - 8 3/8' OTHER: \_\_\_\_\_  
 SLURRY WEIGHT: \_\_\_\_\_ SLURRY VOL: \_\_\_\_\_ WATER gal/sk: \_\_\_\_\_ CEMENT LEFT in CASING: 36'  
 DISPLACEMENT: 4.85 bbl/s DISPLACEMENT PSI: \_\_\_\_\_ MIX PSI: \_\_\_\_\_ RATE: 4.5 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 200 # Premium Gel followed by 10 bbls fresh water, mixed & pumped 118 sks 50/50 Pozmix cement w/ 2% gel, 5% salt, + 5 # Kalseal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 4.85 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

*[Handwritten signature]*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00 ✓
5406	20 mi	MILEAGE		84.00 ✓
5402	874'	casing footage		
5407	minimum	ton mileage		368.00 ✓
5502C	2 hrs	∞ Vac		180.00 ✓
1124	118 sks	50/50 Pozmix cement		1357.90 ✓
1118B	398 #	Premium Gel		87.56 ✓
1111	228 #	Salt		88.92 ✓
1110A	590 #	Kalseal		271.40 ✓
4402	1	2 1/2" rubber plug		29.50 ✓

completed

SALES TAX 7.15% 131.17  
 ESTIMATED TOTAL 3682.55 ✓  
 AUTHORIZATION: [Signature] 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.