



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1210247  
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: \_\_\_\_\_

1210247

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> _____
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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> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Douglas County, KS  
 Well: Early AI-3  
 Lease Owner: Altavista

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

Commenced Spudding:  
 04/18/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-8	soil-clay	8
90	sand	98
113	shale	211
5	lime	216
6	shale	224
15	lime	239
7	shale	246
8	lime	252
7	shale	259
20	lime	279
12	shale	291
14	sand and sandy shale	305
2	shale	307
19	lime	326
4	shandy shale	330
13	sand and sandy shale	343
55	shale	398
22	lime	420
12	shale	4732
7	shale and lime	439
6	lime	445
17	shale	462
7	sand	469
18	lime	488
3	shale	491
1	lime	492
13	shale	505
6	lime	511
1	lime and crystal	512
16	lime	528
9	shale	537
22	lime	559
4	shale	563
4	lime	567
3	shale	570
6	lime	576
5	shale	581
14	sandy shale	595
97	shale	692
16	sand	708



# 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. AJ-3

Farm Early

KS

(State)

Douglas

(County)

11

(Section)

15

(Township)

20

(Range)

For Altavista  
(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400





Thickness of Strata	Formation	Total Depth	Remarks
0-8	Soil-clay	8	
40	Sand	98	
113	Shale	211	
5	Lime	216	
6	Shale	224	
15	Lime	239	
7	Shale	246	
8	Lime	252	
7	Shale	259	
20	Lime	279	Shells
12	Shale	291	
14	Sand & Sandy Shale	305	No Oil
2	Shale	307	
19	Lime	326	Shells
4	Sandy Shale	330	
13	Sand & Sandy Shale	343	No Oil
55	Shale	398	
22	Lime	420	
12	Shale	432	
7	Shale & Lime	439	
6	Lime	445	
17	Shale	462	
7	Sand	469	No Oil
18	Lime	488	
3	Shale	491	
1	Lime	492	
13	Shale	505	

605

Thickness of Strata	Formation	Total Depth	Remarks
6	Lime	511	
1	Lime & Crystal	512	No Oil
16	Lime	528	
9	Shale	537	
22	Lime	559	
4	Shale	563	
4	Lime	567	
3	Shale	570	
6	Lime	576	
5	Shale	581	Hertha
14	Sandy Shale	595	
97	Shale	692	
16	Sand	708	No Oil
36	Shale	744	
10	Lime	754	
5	Shale	759	
2	Lime	761	
12	Shale	773	
5	Lime	778	
14	Shale	792	
3	Lime	795	
12	Shale	807	
3	Lime	810	
2	Shale	812	
4	Lime	816	
14	Shale	830	
1	Lime	831	







**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 # 267527

Invoice Date: 04/23/2014 Terms: 0/30/10,n/30

Page 1

ALTAVISTA ENERGY INC  
4595 K-33 HIGHWAY  
P.O. BOX 128  
WELLSVILLE KS 66092  
(785) 883-4057

EARLY AI-3  
47077  
NE 11-15-20  
04-18-2014  
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	45.00	11.5000	517.50
1118B	PREMIUM GEL / BENTONITE	76.00	.2200	16.72
1111	SODIUM CHLORIDE (GRANULA	87.00	.3900	33.93
1110A	KOL SEAL (50# BAG)	225.00	.4600	103.50

Sublet Performed	Description	Total
9996-120	CEMENT MATERIAL DISCOUNT	-201.50

Description	Hours	Unit Price	Total
368 CEMENT PUMP (SURFACE)	1.00	870.00	870.00
368 EQUIPMENT MILEAGE (ONE WAY)	.00	4.20	.00
368 CASING FOOTAGE	115.70	.00	.00
503 MIN. BULK DELIVERY	.50	368.00	184.00
675 80 BBL VACUUM TRUCK (CEMENT)	1.50	100.00	150.00

Amount Due 1923.68 if paid after 05/03/2014

Parts:	671.65	Freight:	.00	Tax:	33.62	AR	1707.77
Labor:	.00	Misc:	.00	Total:	1707.77		
Sublt:	-201.50	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

267527

TICKET NUMBER 47077  
LOCATION Ottawa  
FOREMAN Alan 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
4-18-14	3244	Early AI-3	NE 11	15	20	OG

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

TRUCK #	DRIVER	TRUCK #	DRIVER
730	Almad	Safety	Meat
368	Almad		
675	Ke: Det		
503	Ke: Car		

JOB TYPE Surface HOLE SIZE 9 7/8 HOLE DEPTH 118 CASING SIZE & WEIGHT 7"  
CASING DEPTH 115.7 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING yes  
DISPLACEMENT 4 3/4 DISPLACEMENT PSI 100 MIX PSI \_\_\_\_\_ RATE 46pm

REMARKS: Held meeting. Established rate. Mixal pumped 45 sk 50/50 cement plus 2% gel, 5% salt, 5# kalseal per sack. Circulated cement. Displaced casing with clean water. Closed valve.

TDS Greg

Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	368	870.00 ✓
5406		MILEAGE	368	_____ ✓
5402	115.7	casing footage	368	_____ ✓
5407	1/2 min	ten miles	503	184.00 ✓
5502C	1 1/2	80 vac	675	150.00 ✓
1124	45	50/50 cement	517.50	✓
1118B	76#	gel	16.72	✓
1111	87#	salt	33.93	✓
1110A	225	kalseal	103.50	✓
		material sub	671.65	
		less 30% -	201.50	✓
		material total	470.15	
			1923.68	



**completed**

SALES TAX	33.62
ESTIMATED TOTAL	1707.77

Ravin 3737

AUTHORIZATION Bryan Hill 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.



**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 # 267594

Invoice Date: 04/24/2014 Terms: 0/30/10,n/30

Page 1

ALTAVISTA ENERGY INC  
4595 K-33 HIGHWAY  
P.O. BOX 128  
WELLSVILLE KS 66092  
(785) 883-4057

EARLY AI-3  
47065  
NE 11-15-20  
04-21-2014  
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	145.00	11.5000	1667.50
1118B	PREMIUM GEL / BENTONITE	344.00	.2200	75.68
1111	SODIUM CHLORIDE (GRANULA	281.00	.3900	109.59
1110A	KOL SEAL (50# BAG)	725.00	.4600	333.50
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50
1401	HE 100 POLYMER	.50	47.2500	23.63

Sublet Performed	Description	Total
9996-120	CEMENT MATERIAL DISCOUNT	-655.88

Description	Hours	Unit Price	Total
369 80 BBL VACUUM TRUCK (CEMENT)	2.00	100.00	200.00
495 CEMENT PUMP	1.00	1085.00	1085.00
495 EQUIPMENT MILEAGE (ONE WAY)	25.00	4.20	105.00
495 CASING FOOTAGE	989.00	.00	.00
548 MIN. BULK DELIVERY	.50	368.00	184.00

Amount Due 3973.53 if paid after 05/04/2014

Parts:	2239.40	Freight:	.00	Tax:	113.23	AR	3270.75
Labor:	.00	Misc:	.00	Total:	3270.75		
Sublt:	-655.88	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

267594

TICKET NUMBER 47065

LOCATION Ottawa KS.

FOREMAN Fred Madar

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
4/21/14	3244	Early # A I-3	NE-11	15	20	DG.
CUSTOMER Alta Vista Energy Inc			TRUCK #			
MAILING ADDRESS P.O. Box 128			DRIVER			
CITY Wellsville		STATE KS	ZIP CODE 66092		TRUCK #	
			DRIVER			
			712 Fvs Mad			
			495 Har Bac			
			369 Der Mas			
			548 M. K. H. Co			

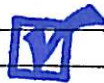
JOB TYPE Long string HOLE SIZE \_\_\_\_\_ HOLE DEPTH 1000' CASING SIZE & WEIGHT 2 7/8 EVF  
 CASING DEPTH 989' DRILL PIPE Baffle in tubing @ 957' OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 30' Plug  
 DISPLACEMENT 5.56 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5 BPM

REMARKS: Hold crew safety meeting. Establish pump rate. Pump 1/2 Gal HE-100 Polymer. Circulate to condition hole. Mix & Pump 100# Gel Flush. Mix & Pump 5ks 50/50 Poz Mix Cement 2% Gel 5% Salt 5# Kal Seal/sk. Cement to surface. Flush pump & lines clean. Displace 2 1/2" Rubber plug to bottom casing. Pressure to 800# PSI. Release pressure to set float valve. Shut in casing.

TOS Drilling. Greg

Fred Madar

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085 <sup>00</sup>
5406	25 mi	MILEAGE	485	105 <sup>13</sup>
5402	989	Casing Footage		N/K
5407	Minimum	Ton Miles	548	184 <sup>00</sup>
5502C	2 hrs	80 BBL Vac Truck	369	200 <sup>00</sup>
1124	145 sks	50/50 Poz Mix Cement	1667 <sup>50</sup>	
1118B	344#	Premium Gel	75 <sup>68</sup>	
1111	281#	Granulated Salt	109 <sup>59</sup>	
1110A	725#	Kal Seal	333 <sup>50</sup>	
		Material	2186 <sup>27</sup>	
		Less 30%	-655 <sup>85</sup>	
		Total Material		1530 <sup>39</sup>
4402	1	2 1/2" Rubber Plug		29 <sup>50</sup>
1401	1/2 Gal	HE-100 Polymer		23 <sup>63</sup>
			3973.53	
			7.85%	
		SALES TAX		113 <sup>23</sup>
		ESTIMATED TOTAL		3270 <sup>75</sup>



**completed**

Revin 3737

AUTHORIZATION

Bryan Hill

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 for