



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1210246  
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<br>Recompletion Date | Date Reached TD | Completion Date or<br>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

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: \_\_\_\_\_



1210246

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<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>List All E. Logs Run: _____ | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>Name Top Datum |
|--|---|

| 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<br><input type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><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<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br><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 |
|----------------|-------|---------|------------|---|

|   |  |
|---|--|
| Date of First, Resumed Production, SWD or ENHR. | Producing Method:<br><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><br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | <b>METHOD OF COMPLETION:</b><br><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____<br><i>(Submit ACO-4)</i> | <b>PRODUCTION INTERVAL:</b><br>_____<br>_____ |
|--|---|---|

Douglas County, KS  
Well:Early AI-2  
Lease Owner:Altavista

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

Commenced Spudding:  
04/01/2014

WELL LOG

| Thickness of Strata | Formation      | Total Depth |
|---------------------|----------------|-------------|
| 0-7                 | soil           | 7           |
| 81                  | sand           | 88          |
| 123                 | shale          | 211         |
| 4                   | lime           | 215         |
| 8                   | sandy shale    | 223         |
| 13                  | lime           | 237         |
| 8                   | shale          | 245         |
| 7                   | lime           | 252         |
| 6                   | shale          | 258         |
| 20                  | lime           | 278         |
| 8                   | shale          | 286         |
| 12                  | sandy shale    | 298         |
| 8                   | shale          | 306         |
| 19                  | lime           | 325         |
| 4                   | sandy shale    | 329         |
| 8                   | sand           | 337         |
| 62                  | shale          | 399         |
| 22                  | lime           | 421         |
| 12                  | shale          | 433         |
| 6                   | shale and lime | 439         |
| 7                   | lime           | 446         |
| 15                  | shale          | 461         |
| 3                   | sandy shale    | 464         |
| 5                   | shale          | 469         |
| 17                  | lime           | 486         |
| 6                   | shale          | 492         |
| 1                   | lime           | 493         |
| 12                  | shale          | 505         |
| 6                   | lime           | 511         |
| 4                   | lime           | 515         |
| 13                  | lime           | 528         |
| 8                   | shale          | 536         |
| 3                   | shale and lime | 539         |
| 21                  | lime           | 560         |
| 5                   | shale          | 565         |
| 3                   | lime           | 568         |
| 4                   | shale          | 572         |
| 5                   | lime           | 577         |
| 7                   | shale          | 584         |
| 6                   | sandy shale    | 590         |



# 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. AI-2

Farm Early

KS Douglas  
(State) (County)

11 15 20  
(Section) (Township) (Range)

For Altavista Energy  
(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East  
Louisburg, KS 66053  
913-710-5400



| Thickness of Strata | Formation    | Total Depth | Remarks |
|---------------------|--------------|-------------|---------|
| 0-7                 | Soil         | 7           |         |
| 81                  | Sand         | 88          |         |
| 123                 | Shale        | 211         |         |
| 4                   | Lime         | 215         |         |
| 8                   | Sandy Shale  | 223         |         |
| 13                  | Lime         | 237         |         |
| 8                   | Shale        | 245         |         |
| 7                   | Lime         | 252         |         |
| 6                   | Shale        | 258         |         |
| 20                  | Lime         | 278         | Shells  |
| 8                   | Shale        | 286         |         |
| 12                  | Sandy Shale  | 298         | No Oil  |
| 8                   | Shale        | 306         |         |
| 19                  | Lime         | 325         | Shells  |
| 4                   | Sandy Shale  | 329         |         |
| 8                   | Sand         | 337         | No Oil  |
| 62                  | Shale        | 399         |         |
| 22                  | Lime         | 421         |         |
| 12                  | Shale        | 433         |         |
| 6                   | Shale & Lime | 439         |         |
| 7                   | Lime         | 446         |         |
| 15                  | Shale        | 461         |         |
| 3                   | Sandy Shale  | 464         |         |
| 5                   | Shale        | 469         |         |
| 17                  | Lime         | 486         |         |
| 6                   | Shale        | 492         |         |
| 1                   | Lime         | 493         |         |

493

| Thickness of Strata | Formation    | Total Depth | Remarks           |
|---------------------|--------------|-------------|-------------------|
| 12                  | Shale        | 505         |                   |
| 6                   | Lime         | 511         |                   |
| 4                   | Lime         | 515         |                   |
| 13                  | Lime         | 528         | Oil - Heavy Bleed |
| 8                   | Shale        | 536         |                   |
| 3                   | Shale & Lime | 539         |                   |
| 21                  | Lime         | 560         |                   |
| 5                   | Shale        | 565         |                   |
| 3                   | Lime         | 568         |                   |
| 4                   | Shale        | 572         |                   |
| 5                   | Lime         | 577         | Hertha            |
| 7                   | Shale        | 584         |                   |
| 6                   | Sandy Shale  | 590         |                   |
| 105                 | Shale        | 695         |                   |
| 10                  | Sand         | 705         | No Oil            |
| 31                  | Shale        | 736         |                   |
| 3                   | Lime         | 739         |                   |
| 11                  | Shale        | 750         |                   |
| 7                   | Lime         | 757         |                   |
| 7                   | Shale        | 764         |                   |
| 5                   | Lime         | 769         |                   |
| 6                   | Shale        | 775         |                   |
| 2                   | Lime         | 777         |                   |
| 9                   | Shale & Lime | 786         |                   |
| 11                  | Shale        | 797         |                   |
| 3                   | Lime         | 800         |                   |
| 11                  | Shale        | 811         |                   |







**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 # 267098

Invoice Date: 04/07/2014 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-2  
42761  
NE 11-15-20  
04-01-2014  
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  |

| Sublet Performed | Description              | Total   |
|------------------|--------------------------|---------|
| 9996-120         | CEMENT MATERIAL DISCOUNT | -160.27 |

| Description                      | Hours | Unit Price | Total  |
|----------------------------------|-------|------------|--------|
| 548 MIN. BULK DELIVERY           | 1.00  | 368.00     | 368.00 |
| 666 CEMENT PUMP (SURFACE)        | 1.00  | 870.00     | 870.00 |
| 666 EQUIPMENT MILEAGE (ONE WAY)  | 20.00 | 4.20       | 84.00  |
| 666 CASING FOOTAGE               | 91.00 | .00        | .00    |
| 675 80 BBL VACUUM TRUCK (CEMENT) | 2.00  | 100.00     | 200.00 |

Amount Due 2094.42 if paid after 04/17/2014

|        |         |           |     |         |         |    |         |
|--------|---------|-----------|-----|---------|---------|----|---------|
| Parts: | 534.22  | Freight:  | .00 | Tax:    | 26.74   | AR | 1922.69 |
| Labor: | .00     | Misc:     | .00 | Total:  | 1922.69 |    |         |
| Sublt: | -160.27 | Supplies: | .00 | Change: | .00     |    |         |

Signed \_\_\_\_\_ Date \_\_\_\_\_





**CONSOLIDATED**  
Oil Well Services, LLC

**PAID 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 # 267205

Invoice Date: 04/08/2014 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-2  
42775  
SE 3-15-20  
04-07-2014  
KS

| Part Number                      | Description              | Qty        | Unit Price | Total   |
|----------------------------------|--------------------------|------------|------------|---------|
| 1124                             | 50/50 POZ CEMENT MIX     | 127.00     | 11.5000    | 1460.50 |
| 1118B                            | PREMIUM GEL / BENTONITE  | 313.00     | .2200      | 68.86   |
| 1111                             | SODIUM CHLORIDE (GRANULA | 245.00     | .3900      | 95.55   |
| 1110A                            | KOL SEAL (50# BAG)       | 635.00     | .4600      | 292.10  |
| 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 |            |            | -575.10 |
| Description                      | Hours                    | Unit Price | Total      |         |
| 368 CEMENT PUMP                  | 1.00                     | 1085.00    | 1085.00    |         |
| 368 EQUIPMENT MILEAGE (ONE WAY)  | 20.00                    | 4.20       | 84.00      |         |
| 368 CASING FOOTAGE               | 931.00                   | .00        | .00        |         |
| 369 80 BBL VACUUM TRUCK (CEMENT) | 2.50                     | 100.00     | 250.00     |         |
| 548 MIN. BULK DELIVERY           | .50                      | 368.00     | 184.00     |         |

Amount Due 3714.01 if paid after 04/18/2014

|        |         |           |     |         |         |    |         |
|--------|---------|-----------|-----|---------|---------|----|---------|
| Parts: | 1970.14 | Freight:  | .00 | Tax:    | 99.75   | AR | 3097.79 |
| Labor: | .00     | Misc:     | .00 | Total:  | 3097.79 |    |         |
| Sublt: | -575.10 | Supplies: | .00 | Change: | .00     |    |         |

Signed \_\_\_\_\_ Date \_\_\_\_\_



**CONSOLIDATED**  
Oil Well Services, LLC

267205

TICKET NUMBER 42775

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 |
|--|------------|--------------------|-------------------------------|----------|--------|--------|
| 4-7-14                                     | 3244       | Early # AI-2       | SE 3                          | 15       | 20     | Dg     |
| CUSTOMER<br>Alta Vista                     |            |                    | TRUCK # DRIVER TRUCK # DRIVER |          |        |        |
| MAILING ADDRESS<br>P.O. Box 128            |            |                    | 730                           | Ala Mad  | Safety | Meat   |
| CITY STATE ZIP CODE<br>Wellsville KS 66092 |            |                    | 368                           | Al Mad   |        |        |
|  |            |                    | 369                           | Dev Mas  |        |        |
|  |            |                    | 548                           | Mik Hag  |        |        |

JOB TYPE long string HOLE SIZE 5 5/8 HOLE DEPTH 960 CASING SIZE & WEIGHT 2 7/8  
 CASING DEPTH 931 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER 899 bf  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING yes  
 DISPLACEMENT 5.23 DISPLACEMENT PSI 800 MIX PSI 200 RATE 4 bpm

REMARKS: Held meeting. Established rate. Mixed & pumped 1/2 gal polymer. Circulated into clean pit to condition hole. Mixed & pumped 100# gel followed by 127 gal 50/50 cement plus 27 gal 50% salt, 5# Kol seal per sack. Circulated cement to surface. Flushed pump. Pumped plug to baffle. Well held 800 PSI. Set float. Closed valve.

TOS. Was? Greg

Alan Mader

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL   |
|--------------|-------------------|------------------------------------|------------|---------|
| 5401         | 1                 | PUMP CHARGE                        | 368        | 1085.00 |
| 5406         | 20                | MILEAGE                            | 368        | 84.00   |
| 5402         | 931               | casing footage                     | 368        |         |
| 5407         | 1/2 mi            | Trip miles                         | 548        | 184.00  |
| 5502L        | 2 1/2             | 80 gal                             | 369        | 250.00  |
| 1127         | 127               | 50/50 cement                       | 146.50     |         |
| 1118B        | 313 #             | gel                                | 68.86      |         |
| 1111         | 245 #             | salt                               | 95.55      |         |
| 1110A        | 635 #             | Kol seal                           | 292.10     |         |
|              |                   | Material sub                       | 1917.01    |         |
|              |                   | less 30% -                         | 575.10     |         |
|              |                   | Material total                     |            | 1341.91 |
| 4402         | 1                 | 2 1/2 plug                         |            | 29.50   |
| 1401         | 1/2 gal           | poly                               |            | 23.63   |
|              |                   |                                    | 3741.00    |         |
|              |                   |                                    | SALES TAX  | 99.75   |
|              |                   |                                    | ESTIMATED  |         |
|              |                   |                                    | TOTAL      | 3097.79 |

**completed**

Revin 3737

AUTHORIZATION Bryan Miller

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.