



**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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- 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

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

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

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

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

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

Total 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**

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



1100447

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

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

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

|   |   |
|---|---|
| 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>Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(If no, Submit Copy)</i><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 |
| _____ Perforate<br>_____ Protect Casing<br>_____ Plug Back TD<br>_____ Plug Off Zone |                  |                |              |                            |
|  |                  |                |              |                            |

| 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:  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><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><input type="checkbox"/> Other <i>(Specify)</i> _____ | <b>PRODUCTION INTERVAL:</b><br>_____<br>_____ |
|--|---|---|

Douglas County, KS  
Well: Baldwin West AI-1  
Lease Owner: AltaVista

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

Commenced Spudding:  
9/17/2012

WELL LOG

| Thickness of Strata | Formation    | Total Depth |
|---------------------|--------------|-------------|
| 0-20                | Soil-Clay    | 20          |
| 2                   | Lime         | 22          |
| 147                 | Shale        | 169         |
| 7                   | Lime         | 176         |
| 9                   | Shale        | 185         |
| 13                  | Lime         | 198         |
| 10                  | Shale        | 208         |
| 7                   | Lime         | 215         |
| 5                   | Shale        | 220         |
| 26                  | Lime         | 246         |
| 21                  | Shale        | 267         |
| 18                  | Lime         | 285         |
| 4                   | Shale        | 289         |
| 2                   | Lime         | 291         |
| 67                  | Shale        | 358         |
| 21                  | Lime         | 379         |
| 20                  | Shale        | 399         |
| 7                   | Lime         | 406         |
| 22                  | Shale        | 428         |
| 21                  | Lime         | 449         |
| 16                  | Shale        | 465         |
| 24                  | Lime         | 489         |
| 8                   | Shale        | 497         |
| 23                  | Lime         | 520         |
| 4                   | Shale        | 524         |
| 5                   | Lime         | 529         |
| 3                   | Shale        | 532         |
| 6                   | Lime         | 538         |
| 171                 | Shale        | 709         |
| 6                   | Lime         | 715         |
| 17                  | Shale        | 732         |
| 4                   | Lime         | 736         |
| 19                  | Shale        | 755         |
| 3                   | Lime         | 758         |
| 45                  | Shale & Lime | 803         |
| 2                   | Lime         | 805         |
| 6                   | Shale        | 811         |
| 1                   | Sand         | 812         |
| 17                  | Core         | 829         |
| 91                  | Sandy Shale  | 920-TD      |



| Core |             |       |
|------|-------------|-------|
|      |             | 812   |
| 9    | Sand        | 821   |
| 1.5  | Sand        | 822.5 |
| 2.5  | Sand        | 825   |
| 4    | Sandy Shale | 829   |
|      |             |       |
|      |             |       |
|      |             |       |
|      |             |       |
|      |             |       |
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|      |             |       |

# Short Cuts

## TANK CAPACITY

BBL.S. (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-1

Farm Baldwin West

KS Douglas  
(State) (County)

2 15 20  
(Section) (Township) (Range)

For Altavista Energy  
(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Baldwin West Farm: Douglas County

KS State; Well No. AI-1

Elevation 1045

Commenced Spuding Sept 17, 2012

Finished Drilling Sept 19, 2012

Driller's Name Wesley Dollard

Driller's Name

Driller's Name

Tool Dresser's Name Ryan Ward

Tool Dresser's Name Colt Stone

Tool Dresser's Name

Contractor's Name TOS

(Section) (Township) (Range)

Distance from S line, 2475 ft.

Distance from E line, 245 ft.

5 sacks

1 core

14 hrs

CASING AND TUBING RECORD

10" Set \_\_\_\_\_ 10" Pulled \_\_\_\_\_

8" Set \_\_\_\_\_ 8" Pulled \_\_\_\_\_

7 7/8" Set 42 6 1/2" Pulled \_\_\_\_\_

4" Set \_\_\_\_\_ 4" Pulled \_\_\_\_\_

2" Set \_\_\_\_\_ 2" Pulled \_\_\_\_\_

CASING AND TUBING MEASUREMENTS

Table with 6 columns: Feet, In., Feet, In., Feet, In. and 20 rows of data.

| Thickness of Strata | Formation | Total Depth | Remarks |
|---------------------|-----------|-------------|---------|
| 0-20                | Soil-clay | 20          |         |
| 2                   | Lime      | 22          |         |
| 147                 | Shale     | 169         |         |
| 7                   | Lime      | 176         |         |
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| 23                  | Lime      | 520         |         |
| 4                   | Shale     | 524         |         |
| 5                   | Lime      | 529         |         |
| 3                   | Shale     | 532         |         |









**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 # 253045

=====  
Invoice Date: 09/21/2012      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

BALDWIN WEST AI-1  
34928  
1-15-20  
09-19-2012  
KS

| Part Number | Description              | Qty    | Unit Price | Total   |
|-------------|--------------------------|--------|------------|---------|
| 1124        | 50/50 POZ CEMENT MIX     | 115.00 | 10.9500    | 1259.25 |
| 1118B       | PREMIUM GEL / BENTONITE  | 293.00 | .2100      | 61.53   |
| 1111        | SODIUM CHLORIDE (GRANULA | 222.00 | .3700      | 82.14   |
| 1110A       | KOL SEAL (50# BAG)       | 575.00 | .4600      | 264.50  |
| 1401        | HE 100 POLYMER           | .50    | 47.2500    | 23.63   |
| 4402        | 2 1/2" RUBBER PLUG       | 1.00   | 28.0000    | 28.00   |

| Description                      | Hours  | Unit Price | Total   |
|----------------------------------|--------|------------|---------|
| 503 MIN. BULK DELIVERY           | 1.00   | 350.00     | 350.00  |
| 666 CEMENT PUMP                  | 1.00   | 1030.00    | 1030.00 |
| 666 EQUIPMENT MILEAGE (ONE WAY)  | 20.00  | 4.00       | 80.00   |
| 666 CASING FOOTAGE               | 881.00 | .00        | .00     |
| 675 80 BBL VACUUM TRUCK (CEMENT) | 2.00   | 90.00      | 180.00  |

=====  
Parts: 1719.05      Freight: .00      Tax: 125.50      AR      3484.55  
Labor: .00      Misc: .00      Total: 3484.55  
Subt: .00      Supplies: .00      Change: .00  
=====

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



**CONSOLIDATED**  
Oil Well Services, LLC

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

TICKET NUMBER 34928

LOCATION Ottawa

FOREMAN Alan Mader

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

| DATE                                   | CUSTOMER #                  | WELL NAME & NUMBER       | SECTION                           | TOWNSHIP       | RANGE         | COUNTY      |
|--|-----------------------------|--------------------------|-----------------------------------|----------------|---------------|-------------|
| 9-19-12                                | 3244                        | Baldwin West A1-1        | SW 1                              | 15             | 20            | DG          |
| CUSTOMER<br><u>Altavista Energy</u>    |                             | TRUCK #                  |                                   | DRIVER         | TRUCK #       | DRIVER      |
| MAILING ADDRESS<br><u>P.O. Box 128</u> |                             | 516                      |                                   | <u>AlaMad</u>  | <u>Safety</u> | <u>Meat</u> |
| CITY<br><u>Wellsville</u>              | STATE<br><u>KS</u>          | ZIP CODE<br><u>66092</u> | 666                               | <u>Kei Car</u> | <u>KC</u>     |             |
| JOB TYPE <u>long string</u>            | HOLE SIZE <u>5 7/8</u>      | HOLE DEPTH <u>940</u>    | 675                               | <u>Kei Det</u> | <u>KD</u>     |             |
| CASING DEPTH <u>881</u>                | DRILL PIPE                  | TUBING                   | 503                               | <u>Dan Det</u> | <u>DD</u>     |             |
| SLURRY WEIGHT                          | SLURRY VOL                  | WATER gal/sk             | CASING SIZE & WEIGHT <u>2 7/8</u> |                |               |             |
| DISPLACEMENT <u>4.9</u>                | DISPLACEMENT PSI <u>800</u> | MIX PSI <u>200</u>       | OTHER <u>baffle 850</u>           |                |               |             |
| CEMENT LEFT IN CASING <u>yes</u>       |                             | RATE <u>5 bpm</u>        |                                   |                |               |             |

REMARKS: Held meeting. Established rate. Mixed + pumped 1/2 gal polymer to condition hole followed by 100# gel. Mixed + pumped 115 sk 50/50 cement plus 2 7/8 gal 5% salt, 5# Kolseal per sack. Circulated cement. Flushed pump. Pumped plug to casing baffle. Well held 800 PSI. Set float. Closed valve.

TOS, wes

Alan Mader

| ACCOUNT CODE    | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL   |
|-----------------|-------------------|------------------------------------|------------|---------|
| 5401            | 1                 | PUMP CHARGE                        | 666        | 1030.00 |
| 5406            | 20                | MILEAGE                            | 666        | 80.00   |
| 5402            | 881               | casing footage                     | 666        |         |
| 5407            | min               | ten miles                          | 503        | 350.00  |
| 55026           | 2                 | 80 gal                             | 675        | 180.00  |
| 1124            | 115               | 50/50 cement                       |            | 1259.25 |
| 1118B           | 293 #             | gel                                |            | 61.53   |
| 1111            | 222 #             | salt                               |            | 83.14   |
| 1110A           | 575 #             | Kolseal                            |            | 264.53  |
| 1401            | 1/2 gal           | polymer                            |            | 23.63   |
| 1402            | 1                 | 2 1/2 plug                         |            | 28.00   |
|                 |                   |                                    |            |         |
| SALES TAX       |                   |                                    |            | 125.50  |
| ESTIMATED TOTAL |                   |                                    |            | 3484.55 |

Ravin 3737

no company rep  
Jim Old

253045

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 for