

COMMONWEALTH OF VIRGINIA  
WATER WELL COMPLETION REPORT

BWCM No.

40-21-B

(Certification of Completion/County Permit)

Control Board  
1143  
North Hamilton St.  
Roanoke, Va. 23230

County/City Stafford

SWCB Permit \_\_\_\_\_  
County Permit 076002

Certification of inspecting official:  
This well does \_\_\_\_\_ does not \_\_\_\_\_  
meet code/low requirements.  
S. \_\_\_\_\_  
Date \_\_\_\_\_

For Office Use

• Virginia Plane Coordinates  
N \_\_\_\_\_  
E \_\_\_\_\_  
Latitude & Longitude  
N \_\_\_\_\_  
W \_\_\_\_\_

• Topo. Map No. \_\_\_\_\_  
• Elevation \_\_\_\_\_ ft.  
• Formation \_\_\_\_\_  
• Lithology \_\_\_\_\_  
• River Basin \_\_\_\_\_  
• Province \_\_\_\_\_  
• Type Logs Driller  
• Cuttings yes  
• Water Analysis \_\_\_\_\_  
• Aquifer Test \_\_\_\_\_

County/City Stamp  
Merritt

• Owner Larry Merritt  
• Well Designation or Number \_\_\_\_\_  
Address Stafford, Va.  
Phone \_\_\_\_\_

• Drilling Contractor  
Address KING GEORGE DRILLING SERVICES, INC.  
RT. 1 BOX 117  
COLONIAL BEACH, VA. 22449  
Phone \_\_\_\_\_

Tax Map I.D. No. \_\_\_\_\_  
Subdivision \_\_\_\_\_  
Section \_\_\_\_\_  
Block \_\_\_\_\_  
Lot \_\_\_\_\_  
Class Well: I \_\_\_\_\_ IIA   
IIB \_\_\_\_\_ IIIA \_\_\_\_\_ IIIB \_\_\_\_\_  
IIC \_\_\_\_\_ IIID \_\_\_\_\_ IIIE \_\_\_\_\_

WELL LOCATION: 1.0 (east) miles east direction of Rt. 629  
and 210 (west) miles no. (direction) of Rt. 608  
(If possible please include map showing location marked)

Date started 5-6-86 • Date completed 5-7-86 Type rig Rotary

1. WELL DATA: New  Reworked \_\_\_\_\_ Deepened \_\_\_\_\_

• Total depth 242 ft.  
• Depth to bedrock \_\_\_\_\_ ft.

• Hole size (Also include reamed zones)  
• 10 inches from 0 to 20 ft.  
• 8 inches from 20 to 212 ft.  
• 3 1/4 inches from 212 to 242 ft.

• Casing size (I.D.) and material  
• 4 inches from +1 to 212 ft.  
Material galv.  
Wt. per foot \_\_\_\_\_ or wall thickness .188 in.  
• 2 inches from 212 to 232 ft.  
Material galv.  
Wt. per foot \_\_\_\_\_ or wall thickness .188 in.  
• \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Material \_\_\_\_\_  
Wt. per foot \_\_\_\_\_ or wall thickness \_\_\_\_\_ in.

• Screen size and mesh for each zone (where applicable)  
• 2 inches from 232 to 242 ft.  
• Mesh size 20 Type S. Steel  
• \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.  
• Mesh size \_\_\_\_\_ Type \_\_\_\_\_  
• \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.  
• Mesh size \_\_\_\_\_ Type \_\_\_\_\_  
• \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.  
• Mesh size \_\_\_\_\_ Type \_\_\_\_\_

• Gravel pack  
• From X to \_\_\_\_\_ ft.  
• From \_\_\_\_\_ to \_\_\_\_\_ ft.

• Grout  
• From 0 to 20 ft. Type Cement  
• From \_\_\_\_\_ to \_\_\_\_\_ ft. Type \_\_\_\_\_

2. WATER DATA • Water temperature \_\_\_\_\_

• Static water level (unpumped level-measured) 95  
• Stabilized measured pumping water level 110  
• Stabilized yield 35 gpm after 4 hrs. flow rate \_\_\_\_\_ g p  
Natural Flow: Yes \_\_\_\_\_ No \_\_\_\_\_ flow rate \_\_\_\_\_ g p  
Comment on quality iron

3. WATER ZONES: From 235 To 242  
From \_\_\_\_\_ To \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
From \_\_\_\_\_ To \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

4. USE DATA:  
Type of use: Drinking  Livestock Watering \_\_\_\_\_  
Irrigation \_\_\_\_\_ Food processing \_\_\_\_\_ Household   
Manufacturing \_\_\_\_\_ Fire safety \_\_\_\_\_ Cleaning \_\_\_\_\_  
Recreation \_\_\_\_\_ Aesthetic \_\_\_\_\_ Cooling or heating \_\_\_\_\_  
Injection \_\_\_\_\_ Other \_\_\_\_\_

• Type of facility: Domestic  Public water supply \_\_\_\_\_  
Public institution \_\_\_\_\_ Farm \_\_\_\_\_ Industry \_\_\_\_\_  
Commercial \_\_\_\_\_ Other \_\_\_\_\_

5. PUMP DATA: Type Sub • Rated H.P. 3/4  
• Intake depth 187 • Capacity \_\_\_\_\_ at \_\_\_\_\_ head

6. WELLHEAD: Type well seal Hardwood w/UC nut  
Pressure tank 20 gal., Loc. Treatment 200  
Sample tap  Measurement port   
Well vent  Pressure relief valve   
Gate valve  Check valve (when required)   
Electrical disconnect switch on power supply

7. DISINFECTION: Well disinfected  yes \_\_\_\_\_ no \_\_\_\_\_  
Date 5-7-86, Disinfectant used Chlorine  
Amount 50 P/M, Hours used 24

8. ABANDONMENT (where applicable) • yes \_\_\_\_\_ no \_\_\_\_\_  
Casing pulled yes \_\_\_\_\_ no \_\_\_\_\_ not applicable \_\_\_\_\_  
Plugging grout From X to \_\_\_\_\_ material \_\_\_\_\_

Owner \_\_\_\_\_

BWCM No. \_\_\_\_\_

Richmond, Va. 23226  
 111 North Main Street  
 State Water Control Board

9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion report for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)

DEPTH (feet)		TYPE OF ROCK OR SOIL [color, material, fossils, hardness, etc.]	REMARKS (water, caving, cavities, broken, core, shot, [etc.])
From	To		
0	20	red, br. & yellow sand	
20	60	yellow + br. sand	
60	80	black sand + shells	
80	160	green + br. clay	
160	180	br. + white sand	
180	212	white pasty sand	
212	225	white pasty sand	
225	242	white, blue + grey sand	

11.

Drilling Time (Min.)

12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)

13. Well lot dedicated? \_\_\_\_\_; Size \_\_\_\_\_ ft. X \_\_\_\_\_ ft.; Well house? \_\_\_\_\_  
 Distance to nearest pollutant source \_\_\_\_\_ ft., Type \_\_\_\_\_  
 Distance to nearest property line \_\_\_\_\_ ft., Building \_\_\_\_\_ ft.

14. WATER SERVICE PIPE: Checked under \_\_\_\_\_ p.s.i. for \_\_\_\_\_ minutes. Pipe size \_\_\_\_\_ inches, Material \_\_\_\_\_  
 Installer \_\_\_\_\_  
 Date \_\_\_\_\_

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

State Water Control Board Regional Offices

Valley Reg. Off.  
 116 North Main Street  
 P. O. Box 268  
 Bridgewater, Va. 22812  
 703-828-2595

Piedmont Reg. Off.  
 4010 West Broad Street  
 P. O. Box 6616  
 Richmond, Va. 23230  
 804-257-1006

Southwest Reg. Off.  
 408 East Main Street  
 P. O. Box 476  
 Abingdon, Va. 24210  
 703-628-5183

Tidewater Reg. Off.  
 287 Pembroke Office Park,  
 Suite 310 Pembroke No. 2  
 Va. Beach, Va. 23462  
 804-499-8742

West Central Reg. Off.  
 Executive Park  
 5312 Peters Creek Road  
 Roanoke, Va. 24019  
 703-982-7432

Northern Virginia Reg. Off.  
 5515 Cherokee Avenue  
 Suite 404  
 Alexandria, Va. 22312  
 703-750-9111

Signature C. E. Keahey (Seal, Date 5-9-86  
 (Well driller or authorized person) License No. Wa. 023065

md. - 299