

**COMMONWEALTH OF VIRGINIA**  
**WATER WELL COMPLETION REPORT**  
 (Certification of Completion/County Permit)

• BWCM No. \_\_\_\_\_

\_\_\_\_\_ St.  
 No. 23230

County/City \_\_\_\_\_

*Stafford*

County/City Stamp

SWCB Permit \_\_\_\_\_  
 County Permit \_\_\_\_\_  
 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. 182C  
 • Elevation \_\_\_\_\_ ft.  
 • Formation \_\_\_\_\_  
 • Lithology \_\_\_\_\_  
 • River Basin \_\_\_\_\_  
 • Province \_\_\_\_\_  
 • Type Logs D. L.  
 • Cuttings N. A.  
 • Water Analysis \_\_\_\_\_  
 • Aquifer Test \_\_\_\_\_

• Owner Russell Newton  
 • Well Designation or Number \_\_\_\_\_  
 Address 207 Brooke Road  
Stafford, Va. 22554  
 Phone 371-9480  
 • Drilling Contractor John L. Danielson, Jr., Inc.  
 Address 4616 Hood Drive  
Fredericksburg, Virginia 22401  
 Phone (703) 898-6025

189-88-333 *Karl Ray*  
 Tax Map I.D. No. 56-169  
 Subdivision \_\_\_\_\_  
 Section \_\_\_\_\_  
 Block \_\_\_\_\_  
 Lot \_\_\_\_\_  
 Class Well I \_\_\_\_\_ IIA \_\_\_\_\_  
 IIB \_\_\_\_\_ IIIA \_\_\_\_\_ IIIB \_\_\_\_\_  
 IIIC \_\_\_\_\_ IIID \_\_\_\_\_ IIIE \_\_\_\_\_

WELL LOCATION: \_\_\_\_\_ (feet/miles \_\_\_\_\_ direction) of \_\_\_\_\_  
 and \_\_\_\_\_ feet/miles E (direction) of \_\_\_\_\_  
 (If possible please include map showing location marked) 1/4 Miles S.W. of 600  
 Date started 10/31/89 • Date completed 11/1/89 Type rig air rotary  
 approximate drawdown 65 feet.

- I. WELL DATA: New  Reworked \_\_\_\_\_ Deepened \_\_\_\_\_
- Total depth 195 ft.
  - Depth to bedrock \_\_\_\_\_ ft.
  - Hole size (Also include reamed zones)
    - 7 7/8 inches from 0 to 195 ft.
    - \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.
    - \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.
  - Casing size (I.D.) and material
    - 4 1/2 inches from 41 to 195 ft.  
 Material PVC Certainteed - including Screen  
 Wt. per foot \_\_\_\_\_ or wall thickness SDR 17 in. From 155 to 195
    - \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.  
 Material \_\_\_\_\_  
 Wt. per foot \_\_\_\_\_ or wall thickness \_\_\_\_\_ in.
    - \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.  
 Material \_\_\_\_\_  
 Wt. per foot \_\_\_\_\_ or wall thickness \_\_\_\_\_ in.
  - Screen size and mesh for each zone (where applicable)
    - 4 1/2 inches from 155 to 195 ft.
    - Mesh size .016 Type P.V.C.
    - \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.
    - Mesh size \_\_\_\_\_ Type \_\_\_\_\_
    - \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.
    - Mesh size \_\_\_\_\_ Type \_\_\_\_\_
    - \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.
    - Mesh size \_\_\_\_\_ Type \_\_\_\_\_
  - Gravel pack
    - From 55 to 195 ft. washed gravel
    - From \_\_\_\_\_ to \_\_\_\_\_ ft.
  - Grout
    - From 0 to 50 ft. Type Pressure Grouting
    - From \_\_\_\_\_ to \_\_\_\_\_ ft. Type Neat Cement

2. WATER DATA • Water temperature \_\_\_\_\_
- Static water level (unpumped level measured) 75
  - Stabilized measured pumping water level 140
  - Stabilized yield 20 gpm after \_\_\_\_\_
  - Natural Flow. Yes \_\_\_\_\_ No \_\_\_\_\_ flow rate \_\_\_\_\_
  - Comment on quality \_\_\_\_\_
3. WATER ZONES: From 155 To 195
- |            |          |            |          |
|------------|----------|------------|----------|
| 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 \_\_\_\_\_ • Rated H.P. \_\_\_\_\_  
 • Intake depth \_\_\_\_\_ • Capacity \_\_\_\_\_ at \_\_\_\_\_ head \_\_\_\_\_
6. WELLHEAD: Type well seal \_\_\_\_\_  
 Pressure tank \_\_\_\_\_ gal. Loc. \_\_\_\_\_  
 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 \_\_\_\_\_ Disinfectant used \_\_\_\_\_  
 Amount \_\_\_\_\_ Hours used \_\_\_\_\_
8. ABANDONMENT (where applicable) • yes \_\_\_\_\_ no \_\_\_\_\_  
 Casing pulled yes \_\_\_\_\_ no \_\_\_\_\_ not applicable \_\_\_\_\_  
 Plugging grout From \_\_\_\_\_ to \_\_\_\_\_ material \_\_\_\_\_  
 Installed through Russell Newton

OVER

Russell Newton

Owner

Stafford #712 off 600 off 2/18

BWCM No.

178-10,000

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)

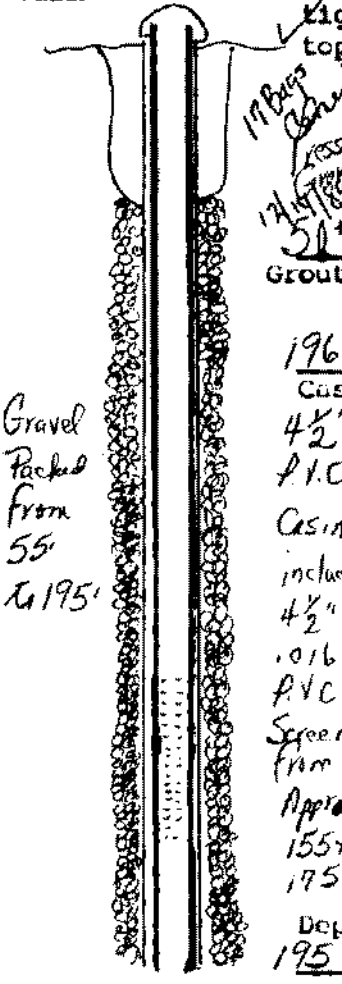
11.

12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)

DEPTH (feet)		TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, saving, cavities, broken, core, shot, etc.)
From	To		
0	10	Brown sandy soil	Approximate Water zones  155-195
10	30	yellow sand	
30	80	blue marl	
80	120	black sand	
120	155	blue clay	
155	175	grey sand	
175	195	Brown clay	

Drilling Time (Min.)

Scale



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 \_\_\_\_\_

State Water Control Board Regional Offices

Valley Reg. Off.  
116 North Main Street  
P. O. Box 268  
Bridgewater, Va. 22612  
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

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 ordinance and the laws and rules of the Commonwealth of Virginia.

Signature Charles Danielson Date 12/14/89  
(Well driller or authorized person)

License No.