

# COMMONWEALTH OF VIRGINIA WATER WELL COMPLETION REPORT

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

State Water Control Board  
P. O. Box 11143  
2111 North Hamilton St.  
Richmond, Va. 23230

(Certification of Completion/County Permit)

L+D Homes  
Carter Bailey  
1016 Bailey Court  
STAFFORD, VA 22554

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

189-89-232 <sup>6-22-89</sup> Karl Rudolph  
Tax Map I.D. No. 30-125-1A  
Subdivision Cobblestone  
Section 30N-14  
Block \_\_\_\_\_  
Lot 14  
Class Well. I \_\_\_\_\_ IIA \_\_\_\_\_  
IIB  IIA \_\_\_\_\_ IIB \_\_\_\_\_  
IIC \_\_\_\_\_ IID \_\_\_\_\_ IIE \_\_\_\_\_

- Virginia Plane Coordinates
  - N \_\_\_\_\_
  - E \_\_\_\_\_
- Latitude & Longitude
  - N \_\_\_\_\_
  - W \_\_\_\_\_
- Topo. Map No. 182B
- Elevation \_\_\_\_\_ ft.
- Formation \_\_\_\_\_
- Lithology \_\_\_\_\_
- River Basin \_\_\_\_\_
- Province \_\_\_\_\_
- Type Logs D. L.
- Cuttings N. A.
- Water Analysis \_\_\_\_\_
- Aquifer Test \_\_\_\_\_

- Owner \_\_\_\_\_
- Well Designation or Number \_\_\_\_\_
- Address \_\_\_\_\_
- Phone \_\_\_\_\_
- Drilling Contractor John L. Danielson, Jr., Inc.
- Address 4616 Hood Drive
- Fredericksburg, Virginia 22401
- Phone (703) 898-6025

WELL LOCATION: \_\_\_\_\_ (feet/miles \_\_\_\_\_ direction) of \_\_\_\_\_  
and 3/4 \_\_\_\_\_ (feet/miles E (direction) of #630 + Dent Lane  
(If possible please include map showing location marked)  
Date started 9-30-89 • Date completed 9-30-89 Type rig Air Rotary

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

- Total depth 140 ft.
- Depth to bedrock Sand well ft.
- Hole size (Also include reamed zones)
  - 10 inches from 0 to 69 ft.
  - 6 inches from 69 to 140 ft.
  - \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.
- Casing size (I.D.) and material
  - 6 1/4 inches from +1 to 69 ft.  
Material P.V.C. well casing  
Wt. per foot \_\_\_\_\_ or wall thickness \_\_\_\_\_ in.
  - 4 inches from 60 to 140 ft.  
Material P.V.C. Well Casing / Absorbent / including 4" P.V.C. Screen  
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 inches from 120 to 140 ft.
  - Mesh size 20/6 Type \_\_\_\_\_
  - \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.
  - Mesh size \_\_\_\_\_ Type \_\_\_\_\_
  - \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.
  - Mesh size \_\_\_\_\_ Type \_\_\_\_\_
  - \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.
  - Mesh size \_\_\_\_\_ Type \_\_\_\_\_

- Gravel pack
  - From \_\_\_\_\_ to \_\_\_\_\_ ft.
  - From \_\_\_\_\_ to \_\_\_\_\_ ft.
- Grout
  - From 0 to 50+ ft. Type Neat Cement
  - From \_\_\_\_\_ to \_\_\_\_\_ ft. Type \_\_\_\_\_

Watertight Cap installed  
Recommend hanging pump at 100' OVER

- Approximate Drawdown 40 feet.
- 2. WATER DATA • Water temperature \_\_\_\_\_ of \_\_\_\_\_
  - Static water level (unpumped level-measured) 40 ft.
  - Stabilized measured pumping water level 80 ft.
  - Stabilized yield 30 gpm after 1 hours
  - Natural Flow: Yes \_\_\_\_\_ No \_\_\_\_\_, flow rate \_\_\_\_\_ gpm
  - Comment on quality \_\_\_\_\_
- 3. WATER ZONES: From 122 To 135
  - 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 \_\_\_\_\_
  - Pump installed through L+D Homes

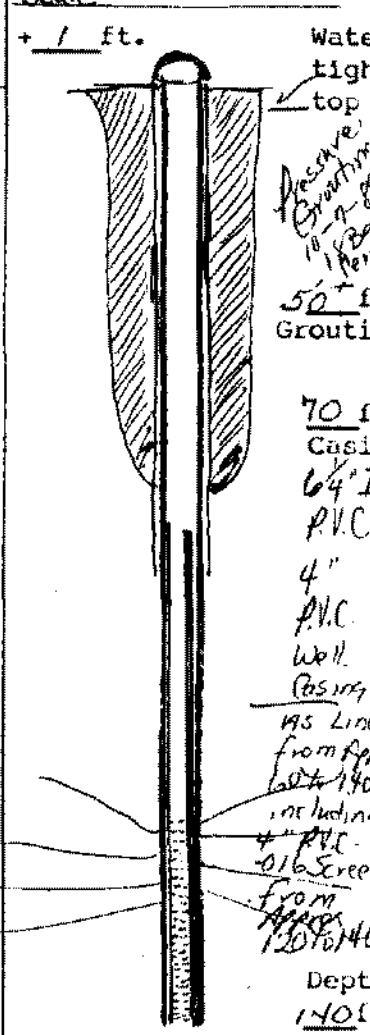
9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information 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	10	Red Clay	Approximate Water Zones  122 - 135
10	30	Red sandy dirt	
30	50	Yellow sand	
50	60	Grey sand	
60	69	Sand stone	
69	120	Blue clay	
120	135	Grey sand	
130	140	Brown clay	

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 \_\_\_\_\_

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  
3312 Peters Creek Road  
Roanoke, Va. 24019  
703-982-7432

Northern Virginia Reg. Off.  
5515 Charokee 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 ordinances and the laws and rules of the Commonwealth of Virginia.

Signature [Signature] Date 10/7/89  
(Well driller or authorized person) License No. \_\_\_\_\_