

**COMMONWEALTH OF VIRGINIA  
WATER WELL COMPLETION REPORT**

• BWCM No. \_\_\_\_\_

*(Certification of Completion/County Permit)*

J. W. Dalkow  
815 Kellogg Mill Road  
Dalmonth, Va. 22405  
659-2052

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

*For Office Use*

189-87-470 <sup>1987</sup> Karl Rudolph  
Tax Map I.D. No. 25A-30  
Subdivision Stone House Road B  
Section \_\_\_\_\_  
Block \_\_\_\_\_  
Lot #30  
Class Well I \_\_\_\_\_ IIA \_\_\_\_\_  
IIB  IIIA \_\_\_\_\_ IIIB \_\_\_\_\_  
IIIC \_\_\_\_\_ IIID \_\_\_\_\_ IIIE \_\_\_\_\_

City Stafford

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

• Topo Map No. 183D  
• Elevation \_\_\_\_\_ ft.  
• Formation \_\_\_\_\_  
• Lithology \_\_\_\_\_  
• River Basin \_\_\_\_\_  
• Province \_\_\_\_\_  
• Type Logs D. L.  
• Cuttings No.  
• Water Analysis \_\_\_\_\_  
• Aquifer Test \_\_\_\_\_

County/City Stamp  
*Permit issued to:*

• Owner William J. Broder  
• Well Designation or Number \_\_\_\_\_  
Address 14504 Duren Drive  
Dale City, Va. 22193  
Phone 1-703-670-22153

• Drilling Contractor John L. Danielson, Jr., Inc.  
Address 4616 Hood Drive  
Fredericksburg, Virginia 22401  
Phone (703) 898-6025

WELL LOCATION: 1 (feet/miles) South (direction) of Intersection 612 & 614  
and \_\_\_\_\_ (feet/miles) (direction) of Meadow Road  
(If possible please include map showing location marked)

Date started 10/21/87 • Date completed 10/21/87 Type rig Air Rotary

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

• Total depth 200 ft.  
• Depth to bedrock \_\_\_\_\_ ft.  
• Hole size (Also include reamed zones)  
• 10 inches from 0 to 90 ft.  
• 6 1/8 inches from 90 to 200 ft.  
• \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.  
• Casing size (I.D.) and material  
• 6 1/4 inches from 71 to 90 ft.  
Material Steel  
Wt. per foot 1316 or wall thickness 1.88 in.  
• \_\_\_\_\_ 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)  
• \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.  
• Mesh size \_\_\_\_\_ 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 60+ ft. Type Pressure Grouting  
• From \_\_\_\_\_ to \_\_\_\_\_ ft. Type \_\_\_\_\_

approximate drawdown 75 feet.

2. WATER DATA • Water temperature \_\_\_\_\_ °F  
• Static water level (unpumped level measured) 60 ft.  
• Stabilized measured pumping water level 135 ft.  
• Stabilized yield 5 gpm after \_\_\_\_\_ hours  
Natural Flow Yes \_\_\_\_\_ No  flow rate \_\_\_\_\_ gpm  
Comment on quality \_\_\_\_\_

3. WATER ZONES: From 185 To 186  
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 \_\_\_\_\_ gpm 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 J.W. Dalkow

*Installed waterstop top  
Suggest with by pump @ approx 180'  
OVER*

Owner J. W. Dahlgren  
Wellington J. Broder  
Stone House Wooded Est #30

Seal of the State of Virginia  
 Department of Health  
 Division of Environmental Health  
 License No. \_\_\_\_\_  
 New

9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells intended for water, or any other non-exempt well. This information must be submitted whether the well is completed or not. Information required includes an accurately and completely prepared water well completion report, full data from cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill may be required. Some counties require submission of a water well completion report. The Virginia State Health Department requires a report for public supply wells.

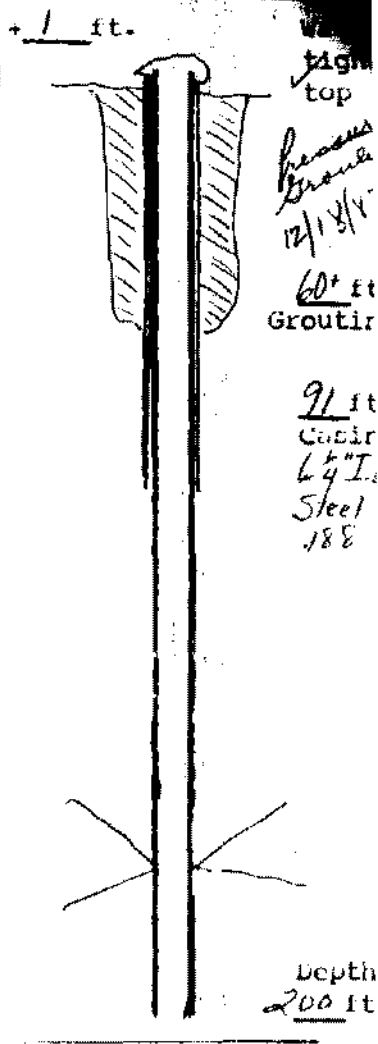
10. DRILLERS LOG (use additional Sheets if necessary)

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 clay	
20	60	Mucaceous formation brown	
60	90	sft brown rock	
90	200	hard black rock	

approximate water zones  
 185 to 186

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
  - Southwest Reg. Off.  
408 East Main Street  
P. O. Box 476  
Abingdon, Va. 24210  
703 828 5183
  - West Central Reg. Off.  
Executive Park  
5312 Peters Creek Road  
Pembroke, Va. 24019  
703-982-7432
  - Piedmont Reg. Off.  
4010 West Broad Street  
P. O. Box 6616  
Richmond, Va. 23230  
804 257 1006
  - Tidewater Reg. Off.  
287 Pembroke Office Park  
Suite 310 Pembroke No. 2  
Va Beach, Va. 23462  
804 499 8742
  - Northern Virginia Reg. Off.  
5515 Cherokee Avenue  
Suite 404  
Alexandria, Va. 22312  
703 750 9111

Signature [Signature] (Seal), Date 12/2/87  
 (Well driller or authorized person) License No. \_\_\_\_\_