

COMMONWEALTH OF VIRGINIA  
WATER WELL COMPLETION REPORT

BWCM No. \_\_\_\_\_  
SWCB Permit \_\_\_\_\_  
County Permit \_\_\_\_\_  
Certification of inspecting official:  
This well does \_\_\_\_\_ does not \_\_\_\_\_  
meet code/flow requirements.  
S. \_\_\_\_\_  
Date \_\_\_\_\_  
For Office Use

(Certification of Completion/County Permit)

Mr. Robert Drench  
Lower Construction  
2600 Jefferson Davis Highway  
Stafford, Va. 22554  
659-6224

County/City Stafford

County/City Stamp

• 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 Alfred A. Mac Gregor  
• Well Designation or Number \_\_\_\_\_  
Address 168 Mac Gregor Ridge Rd.  
Stafford, Va. 22554  
Phone 659-5704

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

SD-8-455 Dr. M. Conway  
Tax Map I.D. No. 30-170 W  
Subdivision \_\_\_\_\_  
Section \_\_\_\_\_  
Block \_\_\_\_\_  
Lot \_\_\_\_\_  
Class Well I \_\_\_\_\_ IIA \_\_\_\_\_  
IIB  IIA \_\_\_\_\_ IIB \_\_\_\_\_  
IIC \_\_\_\_\_ IID \_\_\_\_\_ IIE \_\_\_\_\_

WELL LOCATION: 3/4 (feet/feet) E (direction) of intersection of 689 & 1306  
and \_\_\_\_\_ (direction) of \_\_\_\_\_  
(If possible please include map showing location marked)  
Date started 4/13/87 • Date completed 4/14/87 Type rig Air Rotary  
Approximate Drawdown 50 feet.

I. WELL DATA: New  Reworked \_\_\_\_\_ Deepened \_\_\_\_\_  
• Total depth 200 ft.  
• Depth to bedrock \_\_\_\_\_ ft.  
• Hole size (Also include reamed zones)  
• 10 inches from 0 to 55 ft.  
• 8 inches from 55 to 104 ft.  
• 6 inches from 104 to 200 ft.  
• Casing size (I.D.) and material  
• 6 1/4 inches from +1 to 104 ft.  
Material Steel  
Wt. per foot 13.6 or wall thickness .188 in.  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Material \_\_\_\_\_  
Wt. per foot \_\_\_\_\_ or wall thickness \_\_\_\_\_ in.  
105' • 5 1/2 inches from 95 to 200 ft.  
Material Steel Casing - As Lined - Slotted from 175 to 190  
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 50 ft. Type Neat Cement  
• From \_\_\_\_\_ to \_\_\_\_\_ ft. Type \_\_\_\_\_

2. WATER DATA • Water temperature \_\_\_\_\_ of \_\_\_\_\_  
• Static water level (unpumped level measured) 70 ft.  
• Stabilized measured pumping water level 120 ft.  
• Stabilized yield 17 gpm after \_\_\_\_\_ hour  
Natural Flow: Yes \_\_\_\_\_ No  flow rate \_\_\_\_\_ gpm  
Comment on quality \_\_\_\_\_  
3. WATER ZONES: From 180 To 190  
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 Lower Construction

Installed Water Right Cap, 1 1/2" diameter  
sumped approx 10 g.p.m. @ 170 on 4/14/87  
Well encounter level approx 95' OVER

Robert Innesch - 1 very Construction  
 Alfred Max Meyer

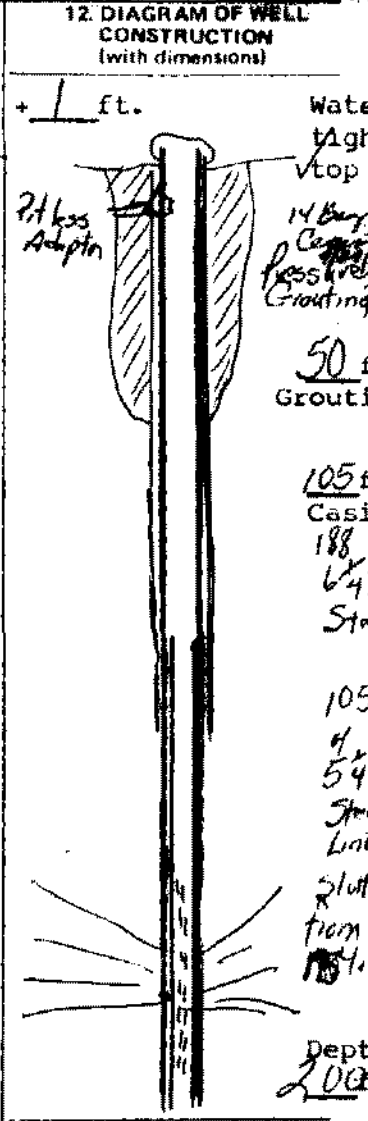
Record of Inspector

9. State law requires submitting to the Virginia State Water Control Board information about groundwater intended for water, or any other non-exempt well. This information must be submitted whether the well is... 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... the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well 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.)	Drilling Time (Min.)
From	To			
0	10	rocks & boulders		
10	50	sandy clay		
50	60	hard sandstone		
60	90	blue clay		
90	140	red clay		
140	160	sandstone		
160	175	brown clay		
175	190	brown sand		
190	200	brown clay		

Approximate Water Zones  
 180' to 190'



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  
Hidgewater, Va. 22812  
703 828 2595
  - Southwest Reg. Off.  
408 East Main Street  
P. O. Box 476  
Abingdon, Va. 24210  
703 628-5183
  - West Central Reg. Off.  
Executive Park  
5312 Peters Creek Road  
Roanoke, 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

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 Robert Innesch (Well driller or authorized person), Date 4/20/87  
 License No. \_\_\_\_\_