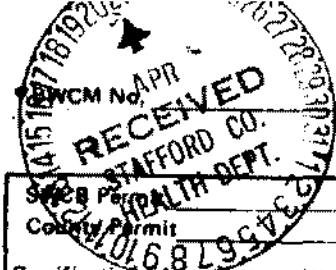


COMMONWEALTH OF VIRGINIA  
**WELL COMPLETION REPORT**  
 (Certification of Completion/County Permit)



County/City Stafford

County/City Stamp

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

- 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 Ronald G. Clark Jr.  
 • Well Designation or Number \_\_\_\_\_  
 Address 1701 Meadow Drive  
Fredericksburg Va. 22405  
 Phone 371-3526  
W 1-448-7600 Pager  
 • Drilling Contractor John L. Danielson, Jr., Inc.  
 Address 4616 Hood Drive  
Fredericksburg, Virginia 22401  
 Phone (703) 898-6025

For Office Use  
SD-86-514 10-22-87  
Eric B. Mandrake

Tax Map I.D. No. 37-3-1  
 Subdivision Rose Run  
 Section Parcel 3  
 Block \_\_\_\_\_  
 Lot 1  
 Class Well: I \_\_\_\_\_, IIA \_\_\_\_\_  
 IIB \_\_\_\_\_, IIIA \_\_\_\_\_, IIIB \_\_\_\_\_  
 IIIC \_\_\_\_\_, IIID \_\_\_\_\_, IIIE \_\_\_\_\_

WELL LOCATION: \_\_\_\_\_ (feet/miles) \_\_\_\_\_ (direction) of \_\_\_\_\_  
 and \_\_\_\_\_ (feet/miles) \_\_\_\_\_ (direction) of \_\_\_\_\_  
 (If possible please include map showing location marked) Abel Lake #651  
 Date started 5/12/87 • Date completed 5/13/87 Type rig Air Rotary

Approximate Drawdown 50 feet.

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

- Total depth \_\_\_\_\_ 220 ft.
- Depth to bedrock \_\_\_\_\_ 59 ft.
- Hole size (Also include reamed zones)
  - 10 inches from 0 to 59 ft.
  - 6 1/2 inches from 59 to 220 ft.
  - \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.
- Casing size (I.D.) and material
  - 6 1/4 inches from +1 to 59 ft.  
Material steel  
Wt. per foot 13.16 or wall thickness \_\_\_\_\_ in.
  - \_\_\_\_\_ inches from \_\_\_\_\_ to 188 ft.  
Material \_\_\_\_\_  
Wt. per foot \_\_\_\_\_ or wall thickness \_\_\_\_\_ in.
  - 4 inches from 50 to 220 ft.  
Material PVC Well Casing - Liner - Slotted Screen Approx 90% 2.10  
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 \_\_\_\_\_

- 2. WATER DATA • Water temperature \_\_\_\_\_ of \_\_\_\_\_
- Static water level (unpumped level-measured) \_\_\_\_\_ ft.
- Stabilized measured pumping water level \_\_\_\_\_ ft.
- Stabilized yield 17 gpm after \_\_\_\_\_ hour
- Natural Flow: Yes \_\_\_\_\_ No  , flow rate \_\_\_\_\_ gpm
- Comment on quality \_\_\_\_\_

3. WATER ZONES: From 85 To 87  
 From 202 To 203 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 Mr. Clark

• Gravel pack  
 • From \_\_\_\_\_ to \_\_\_\_\_ ft.  
 • From \_\_\_\_\_ to \_\_\_\_\_ ft.  
 • Grout  
 • From 0 to 50+ ft. Type Pressure Grouting 5/14/87  
12 bags cement  
 • From \_\_\_\_\_ to \_\_\_\_\_ ft. Type Neat Cement  
 - Installed Water tight Cap  
 - Suggest setting pump @ approx 180'  
 - Pumped in GPM @ 180' on 5/13/87 OVER

(Keep top of casing/casing/casing/casing  
 out of 4" diam. well encounter  
 liner @ approx. 50 ft.)

Owner

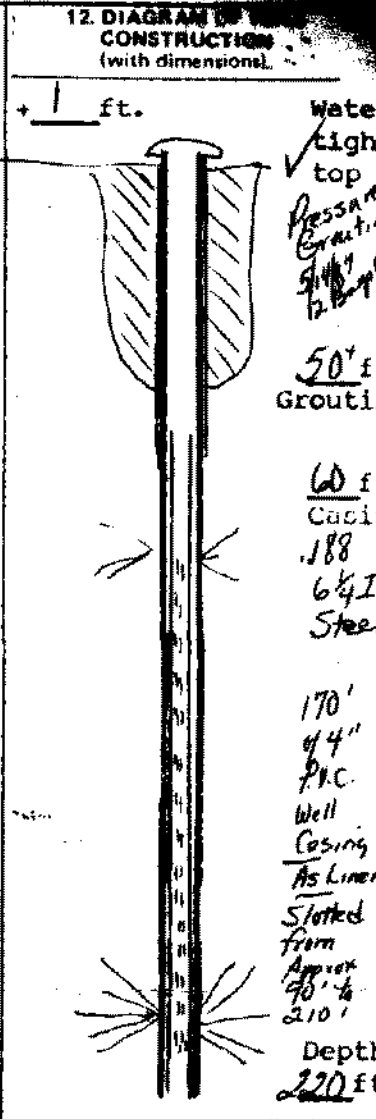
Ronald J. Clark  
Abel Lake 6/5/81 - Rose Run #1

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... pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill... the state. 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)

PROJECT  
138 C OLDE GREENWICH DRIVE  
W. W. ...

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	red clay		
10	30	brown micaceous formation		
30	59	brown rock		
59	220	graphite	inserted liner	



Approximate Water Zones  
85' to 89'  
and  
202' to 203'

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

Signature Archie D. Davison (Seal), Date 5/14/89  
(Well driller or authorized person)

License No. \_\_\_\_\_

State Water Control Board Regional Offices

Valley Reg. Off.  
116 North Main Street  
P. O. Box 268  
Bridgewater, Va. 22812  
703-628-2595

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  
703-982-7452

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