

# WATER WELL COMPLETION REPORT

• BWCM No. \_\_\_\_\_

(Certification of Completion/County Permit)

9-6-1

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

County/City Stafford

Virginia Plane Coordinates

N \_\_\_\_\_

E \_\_\_\_\_

Latitude & Longitude \_\_\_\_\_

N \_\_\_\_\_

W \_\_\_\_\_

Topo. Map No. 183A

Elevation \_\_\_\_\_ ft.

Formation \_\_\_\_\_

Lithology \_\_\_\_\_

River Basin \_\_\_\_\_

Province \_\_\_\_\_

Type Logs D. L.

Cuttings N. A.

Water Analysis \_\_\_\_\_

Aquifer Test \_\_\_\_\_

County/City Stamp

• Owner Clayton Embrey

• Well Designation or Number 3111

Address Staffordville Rd Stafford Va. 22554

Phone 752-0045

• Drilling Contractor John L. Danielson, Jr., Inc.

Address 4516 Hood Drive

Fredericksburg, Virginia 22401

Phone (703) 898-6025

SWCB Permit \_\_\_\_\_

County Permit \_\_\_\_\_

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

For Office Use

189-89-436 1/190

Tax Map I.D. No. Group

Subdivision Embrey

Section 1

Block \_\_\_\_\_

Lot 1

Class Well I \_\_\_\_\_ IIIA \_\_\_\_\_

II B  IIIA \_\_\_\_\_ III B \_\_\_\_\_

III C \_\_\_\_\_ III D \_\_\_\_\_ III E \_\_\_\_\_

WELL LOCATION: \_\_\_\_\_ (feet/miles \_\_\_\_\_ direction) of \_\_\_\_\_  
 and \_\_\_\_\_ feet/miles \_\_\_\_\_ (direction) of \_\_\_\_\_  
 (If possible please include map showing location marked) 1/4 Mile N. of 644 & 610

Date started 3/24/90 • Date completed 3/26/90 Type Air Rotary

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

Total depth 320 ft.

Depth to bedrock 75 ft.

Hole size (Also include reamed zones)

- 10 inches from 0 to 75 ft.
- 6 1/4 inches from 75 to 320 ft.
- \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.

Casing size (I.D.) and material

- 6 1/4 inches from +1 to 75 ft.
- Material PVC
- Wt per foot \_\_\_\_\_ or wall thickness SDR 27 in.
- 6 1/4 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.

Sealant

- From 0 to 60 ft. Type Neat Cement
- From \_\_\_\_\_ to \_\_\_\_\_ ft. Type \_\_\_\_\_

Approximate drawdown 210 feet.

2. WATER DATA • Water temperature \_\_\_\_\_ of \_\_\_\_\_

- Static water level (unpumped level measured) 70 ft
- Stabilized measured pumping water level 280 ft
- Stabilized yield 32 gpm after \_\_\_\_\_ hours
- Natural Flow: Yes \_\_\_\_\_ No  Flow rate \_\_\_\_\_ gpm

Comment on quality \_\_\_\_\_

3. WATER ZONES: From 200 To 201

From 300 To 301 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 \_\_\_\_\_

Pressure Grouting

Installed watertight cap

Suggest setting spinner @ approx 300'

3/30/90

OVER

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)

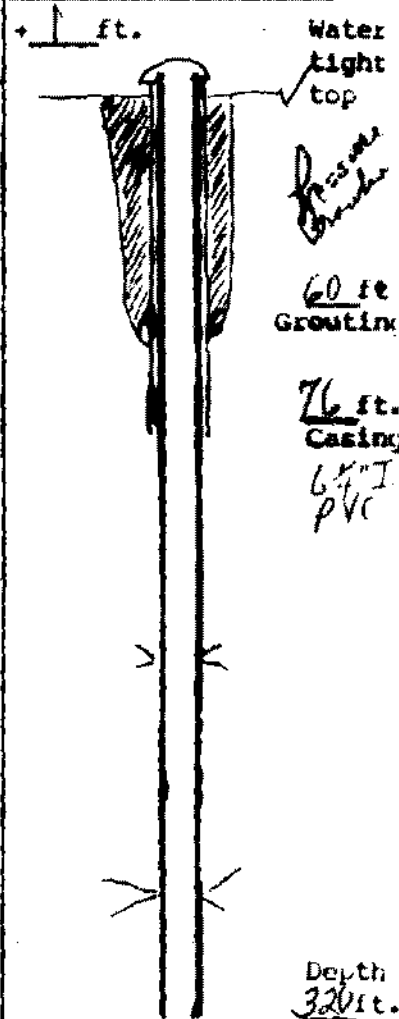
DEPTH (feet)		TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, loss.)
From	To		
0	10	Red clay	
10	30	Mucaceous formation red	
30	70	Mucaceous formation brown	
70	75	soft brown rock	
75	320	Hard blue rock	

Approximate  
Water Zones  
200 to 201  
and  
300 to 301

11.

Drilling  
Time  
(Min.)

12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)



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.  
4810 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  
703-780-9111

13. Well for 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.

Signature Paul T. Desaulniers (Seal), Date 4/1/90  
(Well Driller or authorized person) License No. \_\_\_\_\_