

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

(Continuation of Completion/County Permit)

County/City Stafford

Permit No. 4566
 County Permit
 Verification of inspecting official:
 This well does not meet code requirements.
 Date 7/11/91
 Inspector TT Thompson
 Tax Map I.D. No. 30-130-2g
 Subdivision Autumn Springs
 Section _____
 Block _____
 Lot 2
 Class Well: I _____ IIA _____
 IIB _____ IIIA _____ IIIB
 IIIC _____ IIID _____ IIIE _____

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

County/City Stamp Stafford Va
 Owner M.A. Ravell
 Well Designation or Number _____
 Address P.O. Box 122
 Phone 659-3126
 Drilling Contractor John L. Danielson, Jr., Inc.
 Address 4616 Hood Drive
 Phone (703) 898-6025

WELL LOCATION: 1/4 (feet/miles East direction) of Mourning Dove & Julian Court
 and _____ feet/miles (direction) of _____
 (If possible please include map showing location marked)
 Date started 7/10/91 Date completed 7/11/91
 Type rig Air Rotary

WELL DATA: New Reworked _____ Deepened _____
 • Total depth 140 ft.
 • Depth to bedrock _____ ft.
 • Hole size (Also include reamed zones)
 • 10 inches from 0 to 67 ft.
 • 6 3/8 inches from 67 to 140 ft.
 • _____ inches from _____ to _____ ft.
 • Casing size (I.D.) and material
 • 6 3/4 inches from +1 to 67 ft.
 Material P.V.C.
 Wt. per foot _____ or wall thickness SDR 27 in.
 • 4 inches from 60 to 100 ft.
 Material P.V.C.
 Wt. per foot _____ or wall thickness Sch 40 in.
 • 4 inches from 120 to 140 ft.
 Material P.V.C.
 Wt. per foot _____ or wall thickness Sch 40 in.
 • Screen size and mesh for each zone (where applicable)
 • 4 inches from 100 to 120 ft.
 • Mesh size .020 Type P.V.C.
 • _____ inches from _____ to _____ ft.
 • Mesh size _____ Type _____
 • _____ inches from _____ to _____ ft.
 • Mesh size _____ Type _____
 • _____ inches from _____ to _____ ft.
 • Mesh size _____ Type _____

Approximate Drawdown 30 feet.
 2. WATER DATA • Water temperature _____ of _____
 • Static water level (unpumped level-measured) 50 ft.
 • Stabilized measured pumping water level 80 ft.
 • Stabilized yield 25 gpm after 1 hour
 Natural Flow: Yes _____ No flow rate _____ gpm
 Comment on quality _____

3. WATER ZONES: From 105 To 120
 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 installation through _____
 Suggest keeping torque arresters out of well pumped 150' @ 100' on 7/11/91

• Gravel pack
 • From _____ to _____ ft.
 • From _____ to _____ ft.
 • Grout
 • From 0 to 60 ft. Type Neat Cement
 • From _____ to _____ ft. Type _____
 Installed water tight top
 Suggest setting pump @ approx 100'
 Well telescopes to 4" @ approx 60'
 OVER

9. State law requires submitting to the Virginia State Water Control Board a log for wells 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)

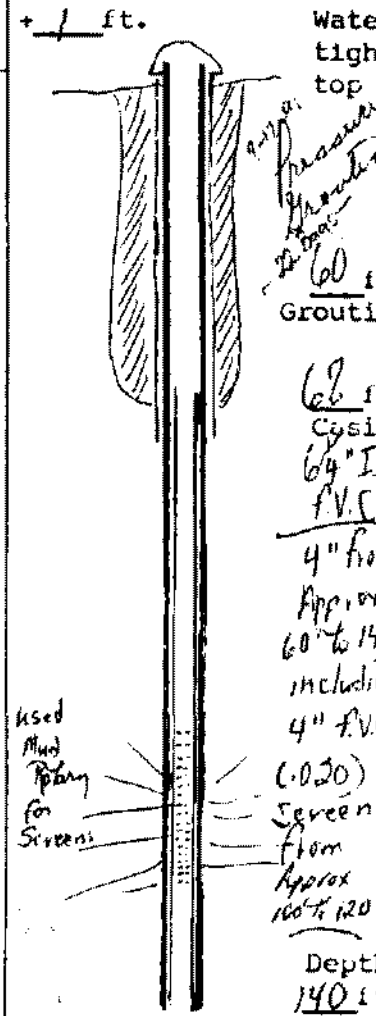
DEPTH (feet)		TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, (etc.))
From	To		
0	10	Sandy Red. clay	
10	30	yellow Sand	
30	69	Sandstone	
69	90	Blue clay	
90	100	Large Gravel	
100	105	Blue clay	
105	120	Grey Sand → water zone	
120	140	Brown clay	

Approximate
Water zones
105' to 120'

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.

Signature _____ Date 7/12/91
 (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
 3312 Peters Creek Road
 Roanoke, Va. 24019
 703-982-7432

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