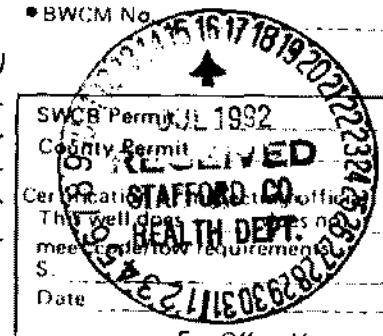


COMMONWEALTH OF VIRGINIA
WATER WELL COMPLETION REPORT

(Certification of Completion/County Permit)

BWCM No.

Control Board
1143
North Hamilton St.
Roanoke, Va. 23230



County/City Stafford

County/City Stamp

- Virginia Plane Coordinates
- Latitude & Longitude
- Topo Map No. 183A
- Elevation
- Formation
- Lithology
- River Basin
- Province
- Type Logs D. L.
- Cuttings N. A.
- Water Analysis
- Aquifer Test

• Owner Michael Conner
 • Well Designation or Number
 Address 44 De Shields Lane
Stafford, Va.
 Phone 659-2687
443-8981
444-8991
 • Drilling Contractor John L. Danielson, Jr., Inc.
 Address 4616 Hood Drive
Fredericksburg, Virginia 22406
 Phone (703) 898-6025

SWCB Permit 1992
 County Permit RECEIVED
 Certification of Completion
 This well meets or exceeds the requirements of the Virginia Well Construction Code
 Date 4/23/92
 For Office Use
W 12 33 2-25 Rob Simpson
2-26 T T Thompson
 Tax Map I.D. No. 19-2678
 Subdivision
 Section
 Block
 Lot
 Class Well I IIA
 IIB IIIA IIB
 IIC IIID IIE

WELL LOCATION: 3/4 (feet/miles) S direction of 610 ft De Shields Lane
 and 44 De Shields Lane (direction) of
 (If possible please include map showing location marked)
 Date started 4/23/92 • Date completed 4/23/92 Type rig AIR ROTARY

WELL DATA New Reworked _____ Deepened _____

- Total depth 180 ft.
- Depth to bedrock 70 ft.
- Hole size (Also include reamed zones)
 - 19 1/8 inches from 0 to 70 ft.
 - 6 3/4 inches from 70 to 180 ft.
 - _____ inches from _____ to _____ ft.
- Casing size (I.D.) and material
 - 6 3/4 inches from +1 to 70 ft.
 - Material P.V.C.
 - Wt per foot _____ or wall thickness _____ in.
 - _____ inches from _____ to SDR 27 ft.
 - Material _____
 - Wt per foot _____ or wall thickness _____ in.
 - 4 inches from 67 to 160 ft.
 - Material P.V.C.
 - Wt per foot _____ or wall thickness Schedule 40 in.
- Screen size and mesh for each zone (where applicable)
 - 4 inches from 160 to 180 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 _____
- Gravel pack
 - From _____ to _____ ft.
 - From _____ to _____ ft.
- Grout
 - From 0 to 50 ft. Type Pressure Grouting
 - From _____ to _____ ft. Type Neat Cement
 - From _____ to _____ ft. Type Portland Cement

Approximate Drawdown 110 feet.

2. WATER DATA • Water temperature _____ °F

- Static water level (unpumped level measured) 30 ft.
- Stabilized measured pumping water level 140 ft.
- Stabilized yield 15 gpm after 1 hours
- Natural Flow Yes _____ No Flow rate _____ gpm
- Comment on quality _____

3. WATER ZONES From 160 to 161

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 Submersible Rated H.P. _____

- Intake depth 160 • Capacity _____ at _____ head

6. WELL HEAD: Type well seal _____

- Pressure tank 44 gal. Loc. Basement
- 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 5/20/92 yes _____ no _____

- Date 5/20/92 Disinfectant used HTH
- Amount _____ Hours used _____

8. ABANDONMENT (where applicable) • yes _____ no _____

- Casing pulled yes _____ no _____ not applicable _____
- Plugging grout From _____ to _____ material _____
- Pump installed through _____

Installed Waterlight Cap
 Suggest getting pump @ approx 160'
 Suggest keeping torque OVER arrestors & Centralizers out of 4' casing

Michael Conner

Owner

BWCM No. _____

44 De Shields Lane

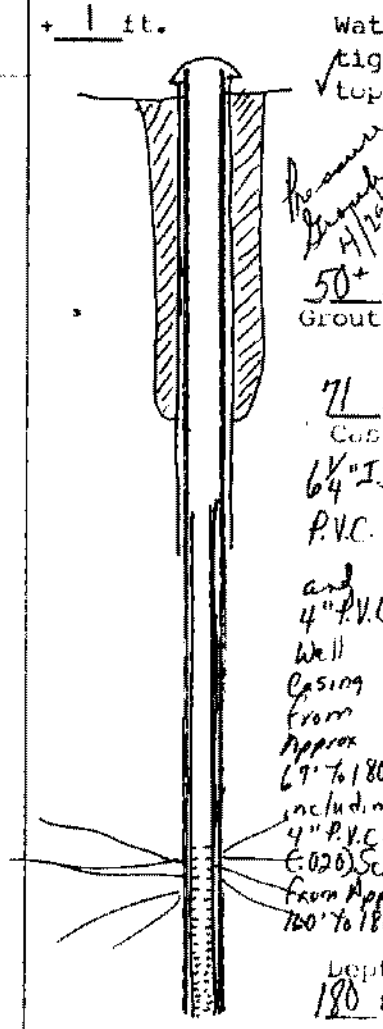
off 610 near Orleans

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, (etc.))	Drilling Time (Min.)
From	To			
0	10	Sandy Red Clay		
10	30	Micaceous formation / Red		
30	60	Micaceous formation / Brown		
60	78	Soft Brown Shale		
70	180	Blue Shale	→ set 4" P.V.C. casing & screen due to soft area	
			Approximate Water Zones 160 to 161	

11. Not 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 _____

- 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
703-628-5183
 - 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 ordinances and the laws and rules of the Commonwealth of Virginia.

Signature Arnold Turner (Seal), Date 5/20/92
 License No. _____