

Form GW-2
1978-10,000

COMMONWEALTH OF VIRGINIA WATER WELL COMPLETION REPORT

BWCM No. _____

(Certification of Completion/County Permit)

60-73B

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

County/City Stafford

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

Permit issued to County/City Stafford
 Owner Nomad Development/ Wayne Bourne
 Well Designation or Number Comfort Heating & Cooling, Inc
 Address 5136 Leeburn Pike 317 Butler Rd / P.O. Box 547
Also address: Va. 22408 Fredericksburg, Va 22408
 Phone 391 8830 373-8471
F 373-8373
 Drilling Contractor John L. Danielson, Jr., Inc.
 Address 4616 Hood Drive
Fredericksburg, Virginia 22408
 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
 Tax Map I.D. No. WS-91-32 5/20/91
5/20/91
 Subdivision _____
 Section _____
 Block _____
 Lot _____
 Class Well: I _____, IIA _____
 IIB _____, IIIA _____, IIIB
 IIIC _____, IIID _____, IIIE _____

WELL LOCATION: 1 (feet/miles) DN (direction) of 601 E #3
 and 50 (feet/miles) E (direction) of 601
 (If possible please include map showing location marked)
 Date started 10/22/91 • Date completed 10/25/91 Type rig Air Rotary

WELL DATA: New Reworked _____ Deepened _____
 • Total depth 280 ft.
 • Depth to bedrock _____ ft.
 • Hole size (Also include reamed zones)
 • 7 7/8 inches from 0 to 280 ft.
 • _____ inches from _____ to _____ ft.
 • _____ inches from _____ to _____ ft.
 • Casing size (I.D.) and material
 • 4 1/2 inches from +1 to 240 ft.
 Material P.V.C.
 Wt. per foot _____ or wall thickness SDR 17 in.
 • 4 1/2 inches from 260 to 280 ft.
 Material P.V.C.
 Wt. per foot _____ or wall thickness SDR 17 in.
 • _____ inches from _____ to _____ ft.
 Material _____
 Wt. per foot _____ or wall thickness _____ in.
 • Screen size and mesh for each zone (where applicable)
 • 4 1/2 inches from 240 to 260 ft.
 • Mesh size .016 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 50 to 280 ft. 10/25
 • From _____ to _____ ft. Washed Gravel
 • From _____ to _____ ft.
 • Grout 0 to 50 ft. Type Pressure Grouting
Neat Cement 10/24/91
 • From _____ to _____ ft. Type _____
Installed watertight top

Approximate Drawdown 70 feet.
 2. WATER DATA • Water temperature _____ °F
 • Static water level (unpumped level measured) 50 ft.
 • Stabilized measured pumping water level 120 ft.
 • Stabilized yield 60 gpm after 1 hours
 Natural Flow: Yes _____ No flow rate _____ gpm
 Comment on quality _____
 3. WATER ZONES: From 290 to 270
 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 _____ Rate/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 _____

Owner Wagner Bourne
Stafford #601

BWCM No. _____

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)

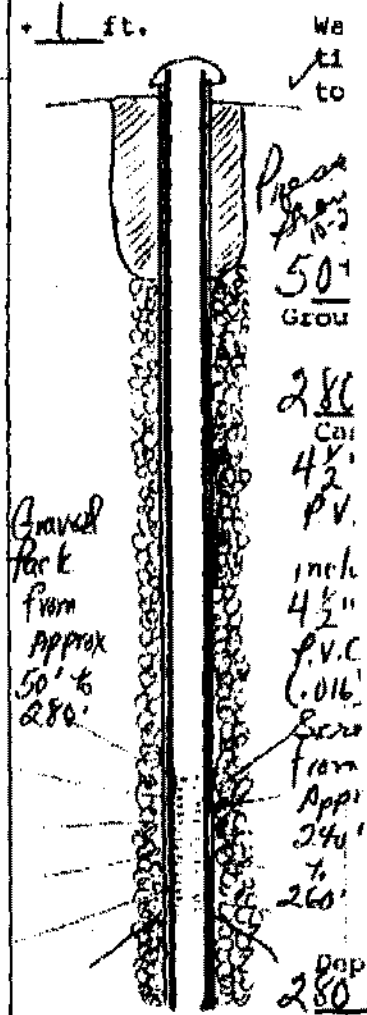
DEPTH (feet)		TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, etc.)
From	To		
0	10	Red clay	
10	20	Sand & Gravel	
20	180	Black Sand & Shells	
180	200	Brown Clay	
200	220	Grey Clay	
220	230	Grey Sandy Clay	
230	270	Grey Sand	
270	280	Grey Clay	

Approximate Water Zones
230 to 270

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.

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.
4010 West Broad Street
P. O. Box 6616
Richmond, Va. 23230
804 257 1006

Southwest Reg. Off.
408 East Main Street
P. O. Box 478
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
9312 Peters Creek Road
Blacksburg, Va. 24019
703 882 7432

Northern Virginia Reg. Off.
6515 Cherokee Avenue
Suite 404
Alexandria, Va. 22312
703 750 9111

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 John Danielson (Seal), Date 10/28/91
(Well driller or authorized person) License No. _____