

P. O. Box 1150  
2111 North Hamilton St.  
Richmond, Va. 23230

Certification of Completion/County Permit

HPINCO  
P.O. Box 1150  
Stafford, Va. 22558  
659-1581

County/City Stafford

County/City Stamp

SWCB Permit  
County Permit  
Certification of inspecting official:  
This well does \_\_\_\_\_ does not  
meet code/low requirements.  
S. \_\_\_\_\_  
Date \_\_\_\_\_  
For Office Use

189-89-21 Richard Smith  
Tax Map I.D. No. 39-45-3  
Subdivision Brookleigh  
Section \_\_\_\_\_  
Block \_\_\_\_\_  
Lot #3  
Class Well: I \_\_\_\_\_, IIA \_\_\_\_\_  
IIB , IIIA \_\_\_\_\_, IIIB \_\_\_\_\_  
IIIC \_\_\_\_\_, IIID \_\_\_\_\_, IIIE \_\_\_\_\_

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 \_\_\_\_\_

Owner \_\_\_\_\_  
Well Designation or Number \_\_\_\_\_  
Address \_\_\_\_\_  
Phone \_\_\_\_\_  
Drilling Contractor John L. Danielson, Jr., Inc.  
Address 4616 Hood Drive  
Fredericksburg, Virginia 22401  
Phone (703) 898-6025

WELL LOCATION: \_\_\_\_\_ (feet/miles \_\_\_\_\_ direction) of \_\_\_\_\_  
and \_\_\_\_\_ (feet/miles \_\_\_\_\_ direction) of \_\_\_\_\_  
(If possible please include map showing location marked) 1/2 Mi. E of 608 P622  
Date started 4/24/90 Date completed 4/26/90 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 68 ft.  
6 1/2 inches from 68 to 140 ft.  
Casing size (I.D.) and material  
6 1/4 inches from 71 to 68 ft. Material PVC  
Wt. per foot \_\_\_\_\_ or wall thickness SDR 27 in.  
4 inches from 60 to 100 ft. Material PVC  
Wt. per foot \_\_\_\_\_ or wall thickness Sch 40 in.  
4 inches from 120 to 140 ft. Material PVC  
Wt. per foot \_\_\_\_\_ or wall thickness Schedule 40 in.  
Screen size and mesh for each zone (where applicable)  
4 inches from 100 to 120 ft.  
Mesh size .016 Type PVC  
Gravel pack  
From \_\_\_\_\_ to \_\_\_\_\_ ft.  
From \_\_\_\_\_ to \_\_\_\_\_ ft.  
Grout  
From 0 to 50 ft. Type Pressure Grouting  
From \_\_\_\_\_ to \_\_\_\_\_ ft. Type Neat Cement

Approximate Drawdown 20 feet.  
2. WATER DATA \* Water temperature \_\_\_\_\_  
Static water level (unpumped level measured) 80  
Stabilized measured pumping water level 100  
Stabilized yield 20 gpm after \_\_\_\_\_ hou  
Natural Flow. Yes \_\_\_\_\_ No  flow rate \_\_\_\_\_ gpi  
Comment on quality \_\_\_\_\_  
3. WATER ZONES: From 100 To 120  
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 \_\_\_\_\_  
Installed Waterjet Top  
Suspect setting pump @ approx 120'  
Eol well encounter 4" later @ approx 60' (Suspect Keeping torque arrows of 4 passes)

**Howco**

owner For Sale  
Brookleigh #3

BWCM No. \_\_\_\_\_

§ 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.

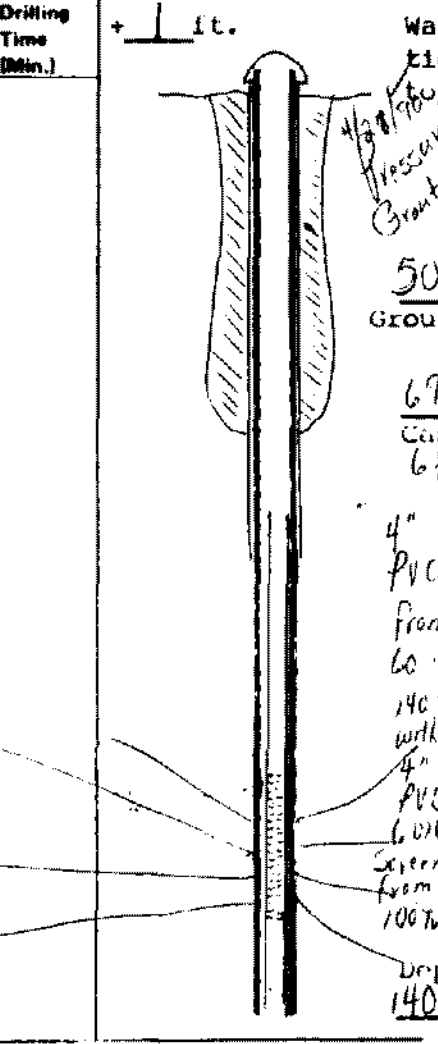
**10. DRILLERS LOG (use additional Sheets if necessary)**

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	30	yellow sand	
30	45	gravel & sand	
45	68	sandstone	
68	110	Blue clay	
100	120	grey sand	
120	140	blue & red clay	



Approximate  
Water Zones  
100 to 120

**11. Net 12. DIAGRAM OF WELL To 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 [Signature] (Seal), Date 4/24/90  
 (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  
 703-828-2595

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 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  
 3912 Peters Creek Road  
 Roanoke, Va. 24019  
 703-982-7452

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

OUT