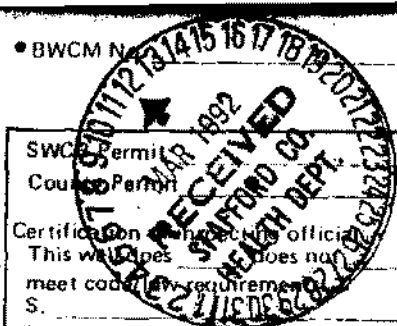


# WATER WELL COMPLETION REPORT

BWCM N

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

(Certification of Completion/County Permit)  
Rick W. Loy Co. Loy's Enterprises  
9 Sandy Level Drive  
STAFFORD, Va. 22554 659-4147  
752-0520  
B. 372-5326



County/City Stafford

Permit issued by County/City Stamp

• Virginia Plane Coordinates

N \_\_\_\_\_

E \_\_\_\_\_

Latitude & Longitude

N \_\_\_\_\_

W \_\_\_\_\_

• Topo. Map No. L83D

• Elevation \_\_\_\_\_ ft.

• Formation \_\_\_\_\_

• Lithology \_\_\_\_\_

• River Basin \_\_\_\_\_

• Province \_\_\_\_\_

• Type Logs D. L.

• Cuttings N. A.

• Water Analysis \_\_\_\_\_

• Aquifer Test \_\_\_\_\_

• Owner Va. Dynamics

• Well Designation or Number \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_

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

Address 4616 Hood Drive  
Fredericksburg, Virginia 22408

Phone (703) 898-6025

For Office Use

WS-91-213 9/25/91 Road Rds 1st  
10/1/91 F.F. Thompson

Tax Map I.D. (No. 43C-2-23)

Subdivision Holly Corner Est

Section 2

Block \_\_\_\_\_

Lot 23

Class Well: I \_\_\_\_\_, II A \_\_\_\_\_, II B \_\_\_\_\_, II C \_\_\_\_\_, II D \_\_\_\_\_, II E \_\_\_\_\_

WELL LOCATION: \_\_\_\_\_ (feet/miles \_\_\_\_\_ direction) of \_\_\_\_\_

and \_\_\_\_\_ (feet/miles \_\_\_\_\_ direction) of \_\_\_\_\_

(If possible please include map showing location marked) 3/4 m. to N. of 655 & Holly Corner Est  
→ 17 → 655 - Holly Corner Est

Date started 3/4/92 • Date completed 3/4/92 Type rig Air Rotary

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

• Total depth 200 ft.

• Depth to bedrock 79 ft.

• Hole size (Also include reamed zones)

• 10 inches from 0 to 60 ft.

• 8 inches from 60 to 79 ft.

• 6 1/4 inches from 79 to 200 ft.

• Casing size (I.D.) and material

• 6 1/4 inches from + 1 to 59 ft.

Material P.V.C.

Wt. per foot \_\_\_\_\_ or wall thickness SDR 27 in.

• 6 1/8 inches from 59 to 79 ft.

Material P.V.C.

Wt. per foot \_\_\_\_\_ or wall thickness SDR 21 in.

• 4 inches from 75 to 60 and 200 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 160 to 180 ft.

• Mesh size 0.020 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 80 feet.

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

• Static water level (unpumped level-measured) 46 ft.

• Stabilized measured pumping water level 120 ft.

• Stabilized yield 20 gpm after 1 hour

Natural Flow: Yes \_\_\_\_\_ No  flow rate \_\_\_\_\_ gpm

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

3. WATER ZONES: From 176 To 177

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 \_\_\_\_\_

B. ABANDONMENT (where applicable) • yes \_\_\_\_\_ no \_\_\_\_\_

Casing pulled yes \_\_\_\_\_ no \_\_\_\_\_ not applicable \_\_\_\_\_

Plugging grout From \_\_\_\_\_ to \_\_\_\_\_ material \_\_\_\_\_

Pump installed through Lox

Suggest keeping torque around 4" casing = 4" casing bear

• Gravel pack

• From \_\_\_\_\_ to \_\_\_\_\_ ft.

• From \_\_\_\_\_ to \_\_\_\_\_ ft.

• Grout

• From 0 to 60 ft. Type Pressure Grouting Neat Cement 3/6/92

• From \_\_\_\_\_ to \_\_\_\_\_ ft. Type \_\_\_\_\_

Installed Water Tight Cap

Suggest setting pump @ approx 140 FT

Well pumped 120 gpm @ 140' on 3/4/92 OVER

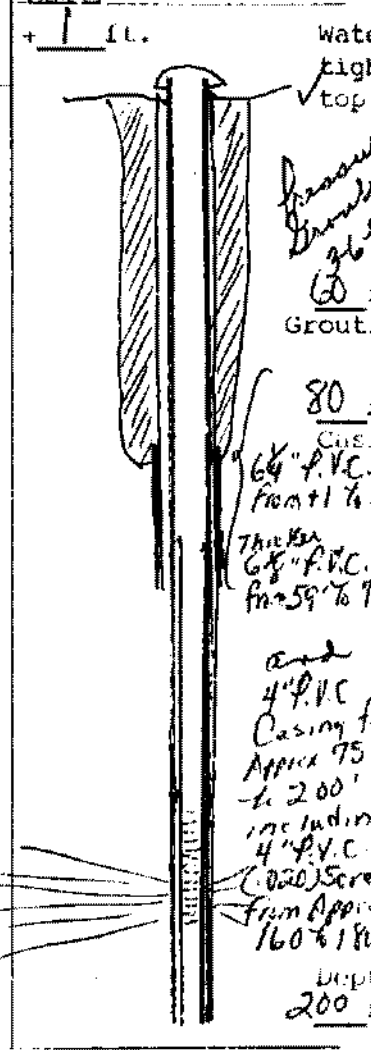
9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information 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, etc.)	Drilling Time (Min.)
From	To			
0	10	Red Clay		
10	30	Micaceous formation/Red		
30	60	Micaceous formation/Brown		
60	79	Soft Brown Shale	soft areas bet 4" P.V.C. Well Casing P.V.C. Screen	
79	200	Soft Blue Shale		

Approximate  
water zones  
176 to 177

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.

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  
Arlington, 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  
703-982-7432

Northern Virginia Reg. Off.  
5515 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 Anna T. Danielson Date 3/6/92  
 (Well driller or authorized person) License No \_\_\_\_\_