

COMMONWEALTH OF VIRGINIA  
WATER WELL COMPLETION REPORT

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

(Certification of Completion/County Permit)

Water Control Board  
Box 11143  
471 North Hamilton St.  
Richmond, Va. 23230

County/City Stafford

Howard Tolson  
P.O. Box 1233  
Stafford, Va 22534

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  
SD-84-384 Newman  
12-11-84

Tax Map I.D. No. 8-4  
Subdivision Melbrook  
Section 1  
Block \_\_\_\_\_  
Lot 4  
Class Well I \_\_\_\_\_ IIA \_\_\_\_\_  
IIB  IIA \_\_\_\_\_ IIB \_\_\_\_\_  
IIC \_\_\_\_\_ IID \_\_\_\_\_ IIE \_\_\_\_\_

Virginia Plane Coordinates  
N \_\_\_\_\_  
E \_\_\_\_\_  
Latitude & Longitude  
N \_\_\_\_\_  
W \_\_\_\_\_

Topo Map No 183A  
Elevation \_\_\_\_\_ ft.  
Formation \_\_\_\_\_  
Lithology \_\_\_\_\_  
River Basin \_\_\_\_\_  
Province \_\_\_\_\_  
Type Loys D. L.  
Cuttings N. A.  
Water Analysis \_\_\_\_\_  
Aquifer Test \_\_\_\_\_

Owner Leston Keys - Rural Home Builders  
(For Sale)  
Well Designation or Number \_\_\_\_\_  
Address owner David Risher  
49 H Lake Arrowhead  
Stafford, Va. 22534  
752-0073  
Phone \_\_\_\_\_  
Drilling Contractor John L. Danielson, Jr., Inc.  
Address 4616 Hood Drive  
Fredericksburg, Virginia 22401  
Phone (703) 898-6025

WELL LOCATION 5 miles S (direction) of Melbrook  
and 40 feet N (direction) of Melbrook  
(If possible please include map showing location marked)

Date started 9-20-85 Date completed 9-21-85 Type rig Air Rotary

I. WELL DATA New  Reworked \_\_\_\_\_ Deepened \_\_\_\_\_

Total depth 205 ft.  
Depth to bedrock 60 ft.  
Hole size (Also include reamed zones)  
• 10 inches from +1 to 60 ft.  
• 6 inches from 60 to 205 ft.  
Casing size (I.D.) and material  
• 6 1/4 inches from +1 to 60 ft.  
Material Steel  
Wt. per foot 13 1/2 or wall thickness .188 in.  
• \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Material \_\_\_\_\_  
Wt. per foot \_\_\_\_\_ or wall thickness \_\_\_\_\_ in.  
• \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.  
Material \_\_\_\_\_  
Wt. per foot \_\_\_\_\_ or wall thickness \_\_\_\_\_ in.  
Screen size and mesh for each zone (where applicable)  
• \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ ft.  
• Mesh size \_\_\_\_\_ Type \_\_\_\_\_  
• \_\_\_\_\_ 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 Neat Cement  
• From \_\_\_\_\_ to \_\_\_\_\_ ft. Type \_\_\_\_\_

Approximate drawdown 50 feet.

2. WATER DATA • Water temperature \_\_\_\_\_  
• Static water level (unpumped level measured) \_\_\_\_\_  
• Stabilized measured pumping water level \_\_\_\_\_  
• Stabilized yield 20 gpm after \_\_\_\_\_  
Natural Flow Yes \_\_\_\_\_ No  flow rate \_\_\_\_\_ gpd  
Comment on quality \_\_\_\_\_

3. WATER ZONES: From 143 To 145  
From 186 To 188 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 \_\_\_\_\_ es \_\_\_\_\_ no \_\_\_\_\_ not applicable  
Plugging gro \_\_\_\_\_ om \_\_\_\_\_ to \_\_\_\_\_ material \_\_\_\_\_  
Pump installed through Leston Keys  
Hand Pump

Pressure Grouting  
10/16/85  
Neat Cement

(Install Water Tight Case)  
OVER

Owner

*Edward Tolson*  
*John Kays - Mulbrook # 4*  
*David Parker*

BWCM

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)			11.	12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)	
DEPTH (feet)		TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, casing, cavities, broken, core, shot, (etc.))	Drilling Time (Min.)	
From	To				
0	10	Red Clay			
10	30	Mica			
30	60	Shale + broken Rock			
60	205	Blue Granite			
			Approximate Water Zones 143-145 186-188		

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 *Anna T. Danielson* (Seal), Date *10/16/85*  
 (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  
 703 680 1183

Tidewater Reg. Off.  
 287 Pembroke Office Park  
 Suite 110 Pembroke No. 2  
 Va Beach, Va. 23462  
 804 499 8742

West Central Reg. Off.  
 Executive Park  
 5312 Peters Creek Road  
 Manassas, Va. 24019  
 703 982 7432

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