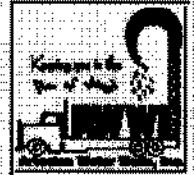


# WATER WELL COMPLETION REPORT

(Certificate of Completion)



County/City **Stafford**

Owner **Richmond American Homes**

Well Designation of #

Address **3701 Fender Drive**

**Fairfax, VA 22030**

Phone **703-293-8541**

Drilling Contractor **Artesian Water Wells, Inc**

Address **11412 Gordon Road**

**Fredericksburg, VA 22407**

Phone **(540) 785-8163**

PWS/ID # **SWP-01-480**

Tax Map ID # **40B-24**

Subdivision **Poplar Hills**

Section/Block

Lot/UPIN # **Lot 24**

Long/Lat

Class/Well **III B**

Well Location: \_\_\_\_\_ (feet/miles) \_\_\_\_\_ (direction) of \_\_\_\_\_ and \_\_\_\_\_ feet/miles \_\_\_\_\_ (direction) of \_\_\_\_\_  
(If possible please include map showing location marked)

Date Started **3-22-02**

Date Completed **3-22-02**

Type of Rig **Air Rotary**

### 1. Well Data:

New  Rework  Deepened

Total Depth **180** ft

Depth to Bedrock **130** ft

Hole size (Also include reamed zones)

|                     |              |    |                 |
|---------------------|--------------|----|-----------------|
| <b>10</b> inches    | <b>0</b>     | to | <b>128.5</b> ft |
| <b>6.125</b> inches | <b>128.5</b> | to | <b>180</b> ft   |
| _____ inches        | _____        | to | _____ ft        |

### Gravel Pack

Size \_\_\_\_\_ From \_\_\_\_\_ to \_\_\_\_\_ ft

Size \_\_\_\_\_ From \_\_\_\_\_ to \_\_\_\_\_ ft

### Grout

From **80** to **0** ft., Type **Bentonite**

From **128.5** to **80** ft., Type **Natural Caveln**

### Casing size (ID) and material

**6.25** inches **+1.5** to **128.5** ft

Material **PVC**

Wt. per ft **3.491** or wall thickness **.250** in

**4.2** inches **100** to **140** ft

Material **PVC**

Wt. per ft **2.788** or wall thickness **.291** in

\_\_\_\_\_ inches \_\_\_\_\_ to \_\_\_\_\_ ft

Material \_\_\_\_\_

Wt. per ft \_\_\_\_\_ or wall thickness \_\_\_\_\_ in

### Screen size and mesh for each zone (where applicable)

**4.2** inches **140** to **180** ft

Mesh size **.020** Type **PVC**

\_\_\_\_\_ inches \_\_\_\_\_ to \_\_\_\_\_ ft

Mesh size \_\_\_\_\_ Type \_\_\_\_\_

\_\_\_\_\_ inches \_\_\_\_\_ to \_\_\_\_\_ ft

Mesh size \_\_\_\_\_ Type \_\_\_\_\_

\_\_\_\_\_ inches \_\_\_\_\_ to \_\_\_\_\_ ft

Mesh size \_\_\_\_\_ Type \_\_\_\_\_

### 2. Water Data: Water Temperature

Static water level (unpumped level-measured) **55** ft

Stabilized measured pumping water level \_\_\_\_\_ ft

Stabilized yield **30+** gpm after **1** hours

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

Comment on Quality **Clear**

### 3. Water Zones: From **160** To **180**

From \_\_\_\_\_ To \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

### 4. Pump Data: Type \_\_\_\_\_ Rated H.P. \_\_\_\_\_

Intake depth \_\_\_\_\_ Capacity \_\_\_\_\_ at \_\_\_\_\_ head

Model No. \_\_\_\_\_

### 5. Disinfection: Well disinfected? Yes No

Date \_\_\_\_\_ Disinfectant used \_\_\_\_\_

Amount \_\_\_\_\_ Hours used \_\_\_\_\_

### 6. Abandonment: Date \_\_\_\_\_ Casing pulled?

Chlorinated well (explain method) \_\_\_\_\_

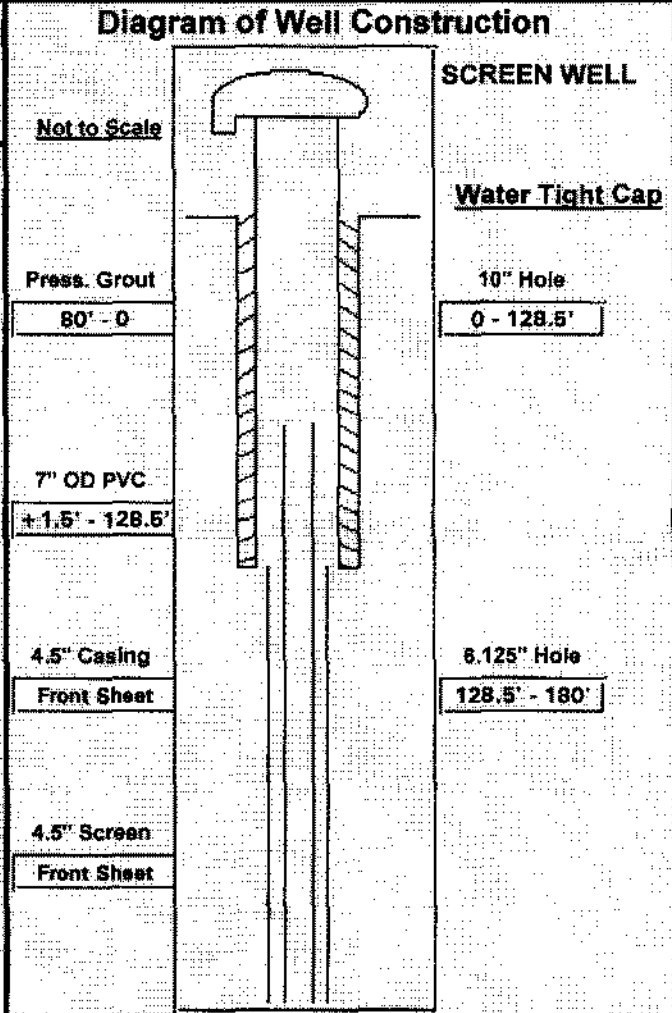
\_\_\_\_\_

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

Owner Richmond Homes

7. Drillers Log (Use Additional Sheets If Necessary)

| Depth (Feet) |     | Type of Rock or Soil<br>(Color, Material, Fossils, Hardness, Etc.) | Remarks<br>(Water, Caving, Cavities, Broken, Core, Shot, Etc.) |
|--------------|-----|--|--|
| From         | To  |  |  |
| 0            | 30  | Brown Sandy Clay   |  |
| 30           | 50  | Grey Sandy Clay  |  |
| 50           | 130 | Grey Black Sandy Clay w/ Shells                                    |  |
| 130          | 160 | Grey Clay  |  |
| 160          | 180 | White Sand   |  |
|              |     |  |  |
|              |     |  |  |
|              |     |  |  |
|              |     |  |  |
| 160          | 180 | Water @ 30+ GPM  |  |



8. 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

9. Wellhead: Type well seal Water Tight Cap 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

10. Well lot dedicated?  Size  ft. x  ft. Well house?  Distance to nearest pollutant source   
 Type  Distance to nearest property line  ft. Building  ft.

11. Water Service Pipe: Checked under  P.S.I. for  minutes. Pipe size  inches. Material   
 Installer  Date

12. I certify that the information contained herein is true and correct and that this well has been installed and constructed in accordance with the requirements for well constructions specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

Signature Wade N. Jolly (Seal), Date 4-10-02 License No. 2705-046112  
 (Well Driller or Authorized Person)