

# WATER WELL COMPLETION REPORT

(Certificate of Completion)



Well ID # Stafford  
Owner Richmond American Homes  
Designation of #   
Address 11290 Balls Ford Road  
  
Manassas, VA 20109  
Phone

PWS/ID # SWP-02-48  
Tax Map ID # 40B-31  
Subdivision Poplar Hills  
Section/Block   
Lot/GPIN # Lot 31  
Long/Lat   
Class/Well IIIB

Drilling Contractor Artesian Water Wells, Inc  
Address 11412 Gordon Road  
Fredericksburg, VA 22407  
Phone (540) 785-8163

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

Date Started 08.09.02 Date Completed 08.12.02 Type of Rig Air Rotary

### 1. Well Data:

New  Rework  Deepened

Total Depth 220 ft  
Depth to Bedrock 65 ft  
Hole size (Also include reamed zones)  
10 inches 0 to 68.5 ft  
6.125 inches 68.5 to 220 ft  
 inches  to  ft

Gravel Pack  
Size  From  to  ft  
Size  From  to  ft

Grout  
From 68.5 to 0 ft., Type Bentonite  
From  to  ft., Type

Casing size (ID) and material  
6.25 inches +1.5 to 68.5 ft  
Material PVC  
Wt. per ft 3.491 or wall thickness .250 in  
4.2 inches 20 to 180 ft  
Material PVC  
Wt. per ft 2.788 or wall thickness .291 in  
 inches  to  ft  
Material   
Wt. per ft  or wall thickness  in

2. Water Data: Water Temperature  
Static water level (unpumped level-measured) 75 ft  
Stabilized measured pumping water level  ft  
Stabilized yield 50+ gpm after 1 hours  
Natural Flow: Yes  No  Flow rate  gpm  
Comment on Quality Clear

3. Water Zones: From 190 To 220  
From  To  From  To

4. Pump Data: Type  Rated H.P.   
Intake depth  Capacity  at  TD head  
Model No.

Screen size and mesh for each zone (where applicable)  
4.2 inches 180 to 220 ft  
Mesh size .020 Type PVC  
 inches  to  ft  
Mesh size  Type   
 inches  to  ft  
Mesh size  Type   
 inches  to  ft  
Mesh size  Type

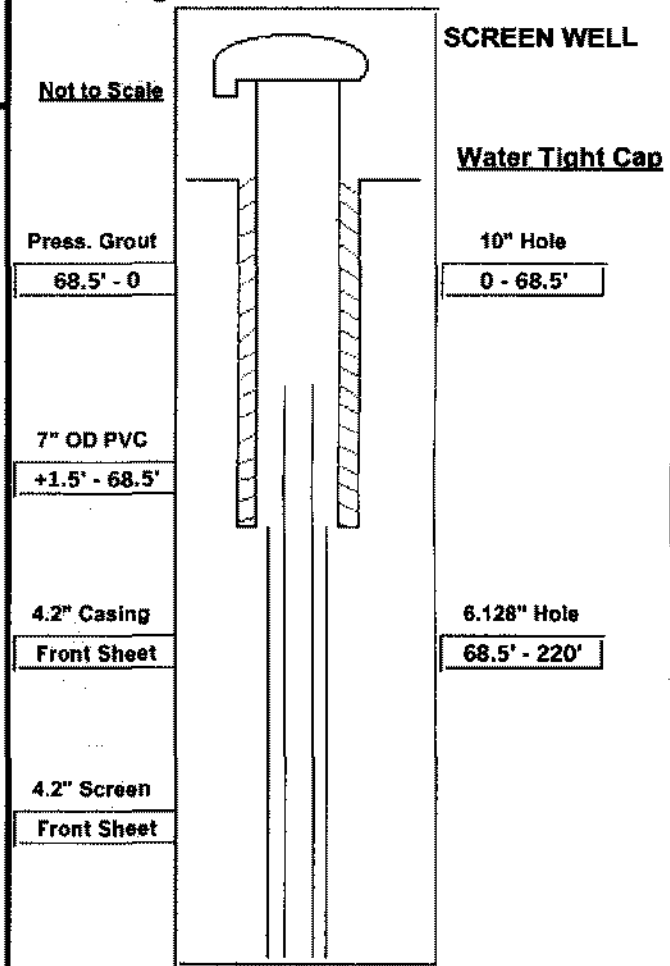
5. Disinfection: Well disinfected?  Yes  No  
Date  Disinfectant used   
Amount  Hours used

6. Abandonment: Date  Casing pulled?   
Chlorinated well (explain method)   
  
Plugging grout From  to  material

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	50	Brown Sandy Clay	
50	65	Tan Sand	
65	90	Grey Rock	
90	190	Grey Clay	
190	220	White Sand	
190	220	Water @ 50+ GPM	

Diagram of Well Construction



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 A. Smith (Seal), Date 08.29.02 License No. 2705-046112  
 (Well Driller or Authorized Person)