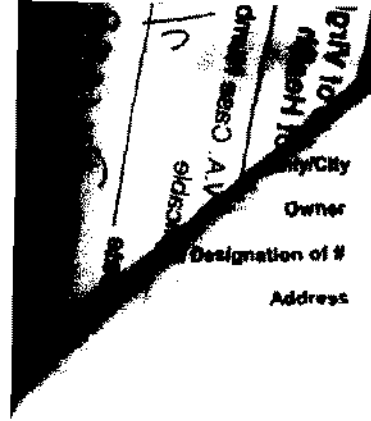


Lot 66

WATER WELL COMPLETION REPORT

(Certificate of Completion)



City/County: **Stafford**

Owner: **Piccard Homes**

Designation of #

Address: **1300 Piccard Drive**
Suite 205
Rockville, MD 20850

Phone: **301-848-9288**

PWS/ID #: **SWP-01-422**

Tax Map ID #: **38B-5-66**

Subdivision: **Willows**

Section/Block: **Section 5**

Lot/GPIN #: **Lot 66**

Long/Lat

Class/Well: **INB**

Drilling Contractor: **Artisan Water Wells, Inc**

Address: **11412 Gordon Road**
Fredericksburg, VA 22407

Phone: **(540) 785-8163**

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

Date Started: **06-25-02** Date Completed: **06-26-02** Type of Rig: **Air Rotary**

1. Well Data:

New Rework Deepened

Total Depth: **640** ft

Depth to Bedrock: **57** ft

Hole size (Also include reamed zones)

10 inches	0	to	83.5 ft
8.125 inches	83.5	to	640 ft
_____ inches	_____	to	_____ ft

Casing size (ID) and material

8.25 inches **+1.5** to **83.5** ft

Material: **PVC**

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

_____ inches _____ to _____ ft

Material: _____

Wt. per ft _____ or wall thickness _____ in

_____ inches _____ to _____ ft

Material: _____

Wt. per ft _____ or wall thickness _____ in

Screen size and mesh for each zone (where applicable)

_____ inches _____ to _____ ft

Mesh size _____ Type _____

_____ inches _____ to _____ ft

Mesh size _____ Type _____

_____ inches _____ to _____ ft

Mesh size _____ Type _____

Gravel Pack

Size _____ From _____ to _____ ft

Size _____ From _____ to _____ ft

Grout

From **83.5** to **0** ft. Type **Bentonite**

From _____ to _____ ft. Type _____

2. Water Data: Water Temperature

Static water level (unpumped level-measured) **60** ft

Stabilized measured pumping water level _____ ft

Stabilized yield **1** gpm after **1** hours

Natural Flow: Yes No Flow rate _____ gpm

Comment on Quality: **Clear**

3. Water Zones: From **430** To **450**

From _____ To _____ From _____ To _____

4. Pump Data: Type _____ Rated H.P. _____

Intake depth _____ Capacity _____ at _____ TD 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

8 Homes

Log (Use Additional Sheets if Necessary)

Depth (Feet)		Type of Rock or Soil (Color, Material, Fossils, Hardness, Etc.)	Diagram of Well Construction	
From	To	Remarks (Water, Geyers, Cavities, Broken, Core, Shot, Etc.)		
0	60	Brown Clay/Mica	<p>REG. WELL</p> <p>Water Tight Cap</p> <p>10" Hole 0 - 63.5'</p> <p>6.125" Hole 63.5' - 640'</p>	
60	640	Hard Grey Rock		
430	450	Water @ 1 GPM	<p>Not to Scale</p> <p>Press. Grout 63.5' - 0</p> <p>7"OD PVC +1.5' - 63.5'</p>	

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. Duff (Seal), Date 7-3-02 License No. 2705-040112
(Well Driller or Authorized Person)