

# ARTESIAN WATER WELLS COMPLETION REPORT

## (Certificate of Completion)



Drilling Contractor **Shannon Jenkins**  
 Designation of # **c/o RLB Homes, LLC**  
 Address **81 Chesterwood Lane**  
**Stafford County**  
 Phone **540-373-8503**

PWS/ID # **SWP-02-347**  
 Tax Map ID # **27C-1**  
 Subdivision **Chesterwood**  
 Section/Block  
 Lot/GPIN # **Lot 1**  
 Long/Lat  
 Class/Well **III-B**

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

Date Started **01-30-03**      Date Completed **01-31-03**      Type of Rig **air rotary**

**1. Well Data:**

New       Rework       Deepened

Total Depth **260'**

Depth to Bedrock **80'**

**Hole size (Also include reamed zones)**

**10** inches **0'** to **68.5'** ft  
**6.125** inches **68.5'** to **260'** ft  
 \_\_\_\_\_ inches \_\_\_\_\_ to \_\_\_\_\_ ft

**Gravel Pack**

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

**Grout**

Fro **68.5'** to **0'** ft, Type **bentonite**  
 Fro \_\_\_\_\_ to \_\_\_\_\_ ft, Type \_\_\_\_\_

**Casing size (ID) and material**

**6.25** inches **+1.5'** to **68.5'** ft  
 Material **pvc**  
 Wt. per ft **3.433** or wall thickness **.250** in  
**4.0** inches **40'** to **240'** ft  
 Material **pvc**  
 Wt. per ft **2.084** or wall thickness **.237** in  
 \_\_\_\_\_ inches \_\_\_\_\_ to \_\_\_\_\_ ft  
 Material \_\_\_\_\_  
 Wt. per ft \_\_\_\_\_ or wall thickness \_\_\_\_\_ in

**2. Water Data:**

**Water Temperature**

Static water level (unpumped level-measured) **30'** ft  
 Stabilized measured pumping water level \_\_\_\_\_ ft  
 Stabilized yield **12** gpm after **1** hours  
 Natural Flow?: Yes  No  Flow rate \_\_\_\_\_ gpm  
 Comment on Quality \_\_\_\_\_

**3. Water Zones:**

From **160'** to **170'** ft From **245'**  
 to **250'** ft From \_\_\_\_\_ to \_\_\_\_\_ ft

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

**4.0** inches **140'** to **180'** ft  
 Mesh size **.020** Type **pvc**  
**4.0** inches **200'** to **220'** ft  
 Mesh size **.020** Type **pvc**  
**4.0** inches **240'** to **260'** ft  
 Mesh size **.020** Type **pvc**  
 \_\_\_\_\_ inches \_\_\_\_\_ to \_\_\_\_\_ ft  
 Mesh size \_\_\_\_\_ Type \_\_\_\_\_

**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

Depth (Feet)		Type of Rock or Soil (Color, Material, Fossils, Hardness, Etc.)	Remarks (Water, Vaving, Vacities, Broken, Core, Shot, Etc.)	Diagram of Well Construction Not to Scale	SCREEN WELL
From	To				
0'	30'	brown tan sandy clay			
30'	65'	brown sand w/ quartz			
65'	260'	grey granite		Press. Grout 68.5'-0'	10' Hole 0'-68.5'
				7"OD PVC +1.5'-68.5'	
				4.2" Casing Front Sheet	
				4.2" Screen Front Sheet	6.125" Hole 68.5'-260'
245'	250'	water @ 12 gpm			

8. Use Data

Type of use: Drinking  Livestock Watering  Irrigation  Food Processing  Household  Fire Safety   
 Manufacturing  Injection  Cleaning  Recreation  Aesthetic  Cooling or Heating   
 Other \_\_\_\_\_

Type of Facility: Domestic  Public Water Supply  Public Institution  Farm  Industry  Commercial   
 Other \_\_\_\_\_

9. Wellhead: Type well seal  watertight 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 \_\_\_\_\_ ft.  
 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. [Signature] (Seal), Date 02-12-03 License No. 2705-046112  
 (Well Driller or Authorized Person)