

feet, the water will in all cases rise within reach of force or suction pumps.

So far as known, no wells obtain a supply from the Miocene, but it is probable that over parts of the county water could be obtained from this source. Because of their shell content, water derived from Miocene beds would probably be hard in many cases.

COUNTY.

Yield per minute.		How obtained at surface.	Use.	Geologic horizon and character of water-beds.	Remarks.
Flow—gallons.	Pump—gallons.				
					No water obtained. Basement rocks entered at about 200 ft.
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				Patuxent formation; sand.	Horizons at 115-125 and 180-190 ft. Basement rocks entered at 328. Supply not sufficient and well abandoned. See section, p. 104.
5	20	gasoline pump.	city supply and boilers.	Patuxent formation; gravel and sand.	Another horizon at 42 ft. Two other similar wells used in connection with this one for city supply. See water assay No. 88, table 1, pp. 496, 497.
2		windmill.	domestic.	Patuxent formation; sand.	Flows in pit 2½ ft. below surface. See water assay No. 85, table 1, pp. 496, 497.
		pump.	domestic.	Patuxent formation; sand.	
3		flows.	domestic.	Patuxent formation; micaceous fine white sand.	See water assay No. 86, table 1, pp. 496, 497.
1-9		flows.	domestic.	Patuxent formation; fine white sand.	Flow has decreased. Another horizon at 14-25 ft.
			not used.		

face materials over almost the entire area. These rest upon sands, clays, and shell marls of Miocene age. The thickness of the latter is unknown, but it is believed to be something like 400 feet in the extreme west and perhaps 600 feet in the extreme east. The Miocene beds rest unconformably upon the buried surface of Cretaceous beds.

Water Resources.—No deep wells have been drilled in this county. The water-bearing sand beds in the lower part of the Pleistocene formations yield an abundant supply of water which is obtained by means of shallow open and driven wells 6 to 20 feet in depth, which are in common use. A few wells have been driven to depths of from 36 to 60 feet at Gatesville, Hobbsville, Reynoldson, Sunbury, and Trotville, obtaining water from Miocene beds. As far as known, no overflow wells exist within the county limits.

One assay of a water from this county is given in Table 1, pp. 496, 497, assay No. 89. This is discussed on page 487.

Artesian Prospects.—The sandy beds of the underlying Miocene in all probability carry abundant supplies of water. It is just possible