

104; Table 2, pp. 506, 507, analysis No. 36. These are discussed on page 488.

Artesian Prospects.—Over the greater part of this county water is obtainable from wells drilled in basement slates or phyllites and associated rocks at depths ranging from 100 to 300 feet. The water from this source will in most cases rise within a few feet of the surface.

The only possible source of deep-well water in Coastal Plain materials is the Patuxent formation in the southeastern part of the county. The uneven character of the rock surface on which the Patuxent beds rest, however, renders the thickness present at any one place uncertain, but it is probable that it does not exceed 100 feet in many places. Flowing wells from this source are believed to be possible on the lowlands along Neuse River and its tributaries. The water carried by the Patuxent beds is probably everywhere of excellent character.

COUNTY.

Yield per minute.		How obtained at surface.	Use.	Geologic horizon and character of water-beds.	Remarks.
Flow—gallons.	Pump—gallons.				
-----	-----	steam pump.	boiler.	basement rocks.	Entered basement rock at 20 ft.
-----	-----	force pump.	domestic.	basement rocks.	Entered basement rock at 45 ft. Another horizon in Coastal Plain materials at 30 ft. See water assay No. 104, table 1, pp. 498, 499. Entered basement rock at 60 ft.
-----	-----	steam pump.	domestic.	basement rocks.	See water assay No. 102, table 1, pp. 498, 499. Entered basement rock at about 20 ft.
-----	-----	force pump.	public.	basement rocks.	
-----	-----	force pump.	domestic.	basement rocks.	Entered basement rock at about 55 ft.
-----	-----	windmill.	domestic.	basement rocks.	Entered basement rock at 26 ft. Lowered 10 ft. by pumping. Another horizon at 135 ft. Depth to basement rock, 30 ft. Lowered 13 ft. by pumping. Entered basement rock at 30 ft.
-----	-----	force pump.	domestic.	basement rocks.	
-----	9	force pump.	boiler.	basement rocks.	Entered basement rock at 30 ft.
-----	50?	steam pump.	boiler.	basement rocks.	
-----	-----	steam jet.	boiler.	basement rocks.	Entered basement rock at 30 ft.
-----	-----	-----	-----	basement rocks.	Entered basement rock at 20 ft.
-----	-----	-----	-----	basement rocks.	Entered basement rock at 30 ft.
-----	-----	-----	-----	basement rocks.	Entered basement rock at 20 ft.
-----	-----	-----	-----	basement rocks.	Entered basement rock at 70 ft. and no water obtained. Entered basement rock at 20 ft. Lowered 9 ft. by pumping. Other horizons at 12, 116, 130 and 180 ft.
-----	-----	-----	-----	basement rocks.	
-----	-----	-----	-----	basement rocks.	
-----	-----	-----	-----	basement rocks.	
-----	-----	-----	-----	basement rocks.	
-----	-----	steam pump.	domestic and manufacturing.	basement rocks.	