

however, probably penetrate the underlying Black Creek formation.

Assays and one analysis of waters from this county are given elsewhere in this report, as follows: Table 1, pp. 494, 495, assays Nos. 37-51; Table 2, pp. 504, 505, analysis No. 25. These are discussed on page 486.

Artesian Prospects.—The distribution of wells as indicated in the above discussion of water conditions and in the table leads one to the conviction that the prospects for obtaining potable water from deep sources are excellent throughout most of the county. At elevations not exceeding 65 or 70 feet above sea level natural flows may in most places be obtained. At greater elevations, except possibly in the case of wells tapping much deeper horizons than have yet been reached, the water will not rise above the surface, and it will be necessary to employ pumps. There is no reason, however, why the quality should not be as good as in the case of flowing wells. It is probable that much of the western and northwestern part of the county, except the lower lands bordering Lumber River and its tributaries, is too high for flowing wells to be possible. Likewise much of the county from Bolton eastward, except in the case of lowlands along the creeks, is at too great an elevation for flows to be obtained, as shown by the negative results of a number of attempts. In the extreme eastern part of the county in the region about Cronly and Newberlin, wells exceeding 200 feet in depth will obtain a slightly brackish water, and it is believed that over other parts of the county wells exceeding 300 or 400 feet would encounter water of a similar character.

COUNTY.

Yield per minute.		How obtained at surface.	Use.	Geologic horizon and character of water-beds.	Remarks.
Flow—gallons.	Pump—gallons.				
small.	-----	flows.	limited for	Peedee formation; sand.	
-----	2	force pump.	drink. purposes.	Peedee formation; coarse sand.	
-----	-----	-----	not used.	Peedee formation; sand, shells and blue marl.	Another horizon at 20 ft.
-----	fair.	force pump.	domestic.	Peedee formation; sand?	
-----	35 or 40	pump.	-----	Peedee formation; dark gray sand.	Another horizon at 160 ft.
12	-----	flows.	domestic.	Peedee formation; sand or gravel.	Other horizons at 40 and 130 ft.
7½	-----	flows.	domestic and drinking.	Peedee formation; sand.	
-----	-----	hand pump.	domestic.	Peedee formation; sand and shells.	
-----	-----	flows.	-----	Black Creek formation?	Flows a small stream 3 feet below surface.
3	-----	flows.	drinking.	Peedee formation; sand.	