

COUNTY—CONTINUED.

Yield per minute.		How obtained at surface.	Use.	Geologic horizon and character of water-beds.	Remarks.
Flow— gallons.	Pump— gallons.				
1½	-----	flows.	domestic.	Peedee formation; sand.	Supply has increased from ½ to 1½ gallons.
1	-----	flows.	boiler and drinking.	Peedee formation; light yellow sand.	Tapped 7 ft. below surface and flows 6 gals. per minute. Another horizon at 85 ft.
½	-----	flows.	domestic.	Peedee formation.	
-----	-----	pitcher pump.	domestic.	Peedee formation.	Flowed at first, but flow weakened and is now pumped.
-----	-----	suction pump.	domestic.	Peedee formation; sand and gravel.	Another horizon at 40 ft.
1½	-----	flows.	drinking, etc.	Peedee formation; gray sand.	Another horizon at 64 ft.
3	-----	flows.	domestic and drinking.	Peedee formation; sand.	See water assay No. 49, table 1, pp. 494, 495.
10	-----	flows.	domestic.	Peedee formation.	
3	-----	flows.	domestic.	Peedee formation; sand.	
22?	-----	flows.	domestic.	Peedee formation; sand and gravel.	Flow has decreased.
1	-----	flows.	domestic.	Peedee formation.	Flow has decreased.
10	-----	flows.	domestic.	Peedee formation; shell beds.	
2	-----	flows.	domestic.	Peedee formation.	
1	-----	flows.	domestic.	Peedee formation; sand.	Flow has decreased.
2	-----	flows.	domestic.	Peedee formation; sand.	Another horizon at 100 ft.
½	-----	flows.	domestic.	Black Creek formation? sand.	Flows in pit 3 ft. below surface.
-----	-----	flows.	domestic.	Black Creek formation?	Another horizon at 120 ft.
-----	25	gasoline pump.	laundry.	Peedee formation; sand.	
-----	1,800	steam pump.	manufacture of ice.	Peedee formation; sand.	

the latter exists. All older formations are covered by thin, surficial Pleistocene deposits consisting of sands, sandy loams, and clays belonging to the Wicomico, Chowan, and Pamlico formations. The whole county is underlain beneath the Eocene and other Tertiary beds by Cretaceous marine sands and clays of the Peedee ("Burches Ferry") formation. These exist at depths perhaps not exceeding 100 feet in the northwestern part of the county, but become deeper and deeper below the surface toward the coast.

Water Resources.—The inhabitants of the smaller villages of the county and most of the farmers obtain their water supplies from shallow open and driven wells tapping the water-bearing sandy beds in the lower portion of the Pleistocene deposits. These wells range from 6 to 24 feet in depth. The driven wells average a little deeper than the dug wells. The water from some of the former is reported as ferruginous. In the larger towns there are but few open wells. Driven and drilled wells are by far the most abundant. In James City, which is situated