

## MARTIN COUNTY.

*Topography.*—Two Pleistocene terrace plains form the surface over the greater part of this county. The Chowan plain covers much of the area east of Sweetwater Creek which enters Roanoke River near Williamston; its elevations range from about 30 to about 40 feet. The Wicomico plain spreads over all the area to the west of Sweetwater Creek at elevations ranging from 60 to 90 feet. The two terraces are separated by a well-defined sea-facing scarp. Both are somewhat dissected by stream erosion. The Pamlico plain, the youngest and lowest of the Pleistocene terraces, has a limited development along Roanoke River.

*Geology.*—Miocene deposits consisting of beds of greenish or gray sands, bluish-drab clays, and shell marls underlie the entire county beneath a thin covering of Pleistocene terrace deposits. In the extreme western part of the county the compact sands and clays of the Patuxent formation underlie the Miocene at depths of about 80 to 100 feet. These pass coastward unconformably beneath the Miocene, becoming deeper. In the eastern two-thirds of the county it is probable that beds of the Cretaceous Black Creek and Peedee formations intervene between the Patuxent and Miocene beds at depths of several hundred feet beneath the surface. The Patuxent beds rest upon basement rocks which are estimated to lie at a depth of 600 feet below the surface in the western part of the county, and at about 1,400 feet in the eastern part.

*Water Resources.*—The inhabitants of this county obtain an abundant supply of water for domestic use from shallow open and driven

## MARTIN

| Number. | Location.          | Owner.                           | Date completed. | Elevation of surface above datum—feet. | Datum.     | Depth—feet. | Diameter—inches. | Depth to principal water supply—feet. | Height of water, $\pm$ surface—feet. |
|---------|--------------------|----------------------------------|-----------------|----------------------------------------|------------|-------------|------------------|---------------------------------------|--------------------------------------|
| 1       | Robersonville..... | R. H. Hargrove and R. J. Nelson. | 1906            | 60                                     | sea level. | 175         | 2                | 175                                   | —14                                  |
| 2       | Everetts.....      | G. P. McNaughton.....            | 1906            | 60                                     | sea level. | 200         | 2                | 200                                   | —18                                  |
| 3       | Jamesville.....    | Jamesville.....                  | 1903            | -----                                  | -----      | 280         | 4?               | 280                                   | —10                                  |

## MOORE COUNTY.

*Topography.*—The surface of this county is made up of rolling hills. The southeastern portion comes within the well-known sandhill belt with maximum elevations probably exceeding 500 feet. The remainder is within the Piedmont region and presents a relief peculiar to that region.