

Several water-bearing beds were encountered. Several other deep wells have been drilled in different parts of the county, all of which failed to obtain a sufficient supply of water. At Jackson the basement rocks were encountered 260 feet below the surface. At 140 feet a gravel bed yielded a small amount of water which rose to within a few feet of the surface. Shells were reported in this well at depths of from 39 to 79 feet.

About 10 years ago two attempts to obtain artesian water were made at Rich Square. A depth of 160 feet was attained in the deepest, but no water was found below 40 feet in either well.

In a well at Garysburg, at the plant of the Garysburg Manufacturing Company, a supply of water is obtained at a depth of 67 feet. The casing was originally driven to a depth of 140 feet, but failing to obtain a supply, it was withdrawn sufficiently to admit the water from the 67-foot horizon.

Recently two deep wells have been drilled at Seaboard, but only small amounts of water were obtained.

Detailed information concerning several of the deep wells are given in the table below.

Assays of waters from this county are given in Table 1, pp. 500, 501, assays Nos. 138, 139. These are discussed on page 489.

*Artesian Prospects.*—The sandy beds of the Miocene will in most places furnish a good supply of potable water. Owing to the presence of shells, it will at some places be high in calcium carbonate and therefore hard; in some localities it may also be ferruginous. The more sandy, porous beds of the Patuxent formation which underlies the Miocene at depths about on a level with the water in Roanoke River in the central part of the county, and becoming deeper to the eastward, may be expected to furnish good supplies. Overflows are not to be expected except in the lower lands bordering the large streams. It appears that several of the deeper wells have been abandoned, not because of failure to obtain water, but because of failure to obtain flows at the surface.