

At Elpaso the wells range to a depth of 40 feet, and in the deeper wells the water is probably derived from the Eocene.

At Malmo water is obtained from nonflowing wells at various depths down to 54 feet. In those exceeding 25 feet the water probably comes from the Peedee sand.

In the western part of the county a well is reported at Excelsior 160 feet in depth, one at Ash 200 feet, and one at Iredell 280 feet. These all penetrate Peedee horizons.

Assays and analyses of waters from this county are given elsewhere in this report, as follows: Table 1, pp. 492, 493, assays Nos. 23-28; Table 2, analyses Nos. 8-23, pp. 504, 505. These are discussed on p. 485.

*Artesian Prospects.*—Throughout the greater part of the county water for domestic purposes may be obtained by drilling to depths not exceeding 300 to 400 feet. Over most of the county wells exceeding 30 or 40 feet in depth will penetrate the Peedee beds. In the southeast, however, where these beds pass under the Eocene the depth at which they will be reached increases, and in the extreme southeast it will amount to from 200 to 250 feet.

The deepest horizon yet discovered yielding a potable water is that penetrated in the Quarantine Station well at a depth of 400 feet. As regards the quality of waters from depths exceeding 400 feet, a sufficient number of tests have not been made to justify a sweeping statement; but from such as have been made it seems probable that from horizons exceeding this depth all waters will be too salty to be of use for domestic or manufacturing purposes. At Fort Caswell several attempts have been made to obtain potable water (see table, pp. 66, 67), but without success. The briny water of the present sea penetrates the loose sands to a depth of at least 30 feet and possibly to the base of the Pleistocene at 78 feet. (See section, p. 168.) Below the depth indicated there seems to be no strong flow of water until the salty waters of the Peedee sand are reached, the first of which was encountered at a depth of 365 feet. All horizons below this depth to bedrock at 1,540 feet furnish a highly saline water.