

	FEET.
69. Clean, loose, slightly calcareous sand.....	1237-1253
70. Sample missing.....	1253-1259
71. Light gray calcareous clay.....	1259
72-73. Light to dark pinkish or reddish finely laminated clay....	1259-1322
74. Light gray calcareous clay, with an admixture of small quartz pebbles as large as birdshot.....	1226-1334
75. Coarse, argillaceous, calcareous sand.....	1342-1365
76-76a. Coarse sand and gravel, with pebbles up to $\frac{1}{3}$ inch in diameter. Also, piece of gray calcareous sand-rock and pieces of shells.....	1365-1380
77-78. Very coarse sand, many of the grains as large as birdshot, with small particles of gray calcareous clay, and with numerous fragments of shells.....	1380-1405
79-80. Coarse sand, with a large percentage of small particles of gray calcareous clay, scattered grains of glauconite, and numerous shell fragments, among them encrusting <i>Bryozoans</i>	1405-1440
Total	1440

The drilling of the above well was started on September 9, 1905, and the last sample was taken April 16, 1906.

SECTION OF WELL AT QUARANTINE STATION, LOCATED ABOUT 1 MILE EAST OF SOUTHPORT, N. C., IN CENTER OF CAPE FEAR RIVER ESTUARY.*

Pleistocene:

	FEET.
1-5. Loose beach sand, with shells and fragments of shells, prob- ably Pleistocene. Sample No. 4 is quite argillaceous.....	15- 40
6. Light bluish-gray, iron-stained coquina rock, consisting of shells in very fragmentary condition, cemented with lime.	40- 45
7-9. Loose beach sand, with shells and fragments of shells similar to samples Nos. 1-5.....	45- 60
10-11. Chunks of gray calcareous clay, pieces of light blue coquina rock and numerous well-preserved shells of Pleistocene age.	60- 70

Eocene (Castle Hayne and Trent) :

12-15. Bluish-gray, sandy coquina rock, the shells in a finely com- minuted condition and cemented with lime. Samples Nos. 14 and 15 contain fragments of branching <i>Bryozoans</i> sim- ilar to those found in the vicinity of Wilmington. The rock is also similar lithologically to the material in which those forms occur.....	70- 95
16-28. Cream colored to light bluish-gray, chalky limestone, more or less sandy in the different samples, containing <i>Bryozoan</i> forms similar to those found in the Eocene at Wilmington and vicinity.....	95-160
29-34. Bluish-gray coquina-like rock consisting of comminuted frag- ments of <i>Bryozoans</i> and other forms cemented with lime..	160-190

*From samples furnished by the North Carolina Geological Survey.