

Miocene (Yorktown) :

3. Shell marl in a matrix of gravel and sand. The following forms, probably all Miocene, were recognized: *Glycymeris aratus* Conrad, *Venericardia granulata*, spines and portions of tests of *Echinoderms*, *Leda* (?), several *Gastropods* and several *Pelecypods*..... 50- 54

Eocene (Castle Hayne and Trent) :

4. White, medium to coarse-grained, loose sand with numerous fragments of *Pelecypod* shells and some *Bryozoans*. The former are probably Miocene fallen down from above, while the latter are Eocene..... 54- 57
5. Driller's description: hard rock. Consists largely of fragments of *Bryozoa* and other fossils with much sand, and fragments of gray, sandy, limestone rock..... 57- 60
6. Similar to No. 5, but contains a larger percentage of lime in form of fossil fragments and a correspondingly less amount of sand..... 60- 75
7. Clean, loose, coarse, gravelly sand, with a few *Bryozoan* remains 75- 78
8. Driller's description: hard rock. White sandy limestone with numerous *Bryozoan* remains. Many of the rock fragments tinged with green, probably due to phosphate. 78- 83

Marine Cretaceous:

9. Dark green, calcareous, finely arenaceous and micaceous, and slightly glauconitic clay. Assigned to marine Cretaceous because of its lithologic resemblance to material of that age in this region..... 83- 88
- Total depth..... 140

SECTION OF WELL AT GREENVILLE SOUND, 6 MILES SOUTHEAST OF WILMINGTON.

Pleistocene (?) :

- No samples..... 1- 35

Eocene (Castle Hayne and Trent) :

1. Gray, medium to coarse-grained, calcareous sand (described as rock by driller and probably indurated), with numerous fragments of bivalve shells and branching and encrusting *Bryozoans*. (This sample may be a mixture of Eocene and Miocene)..... 35- 38
2. Driller's description: soft rock and sand. White arenaceous limestone rock, consisting largely of fragments of *Bryozoans*, branching and encrusting forms..... 38- 50
3. Similar to sample No. 2, but containing a much larger percentage of sand, in coarse grains, and, in addition to *Bryozoa*, contains bivalve fragments, *Echinoderm* fragments, and one small *Gastropod*..... 50- 53
- 4-6. Rather dark gray, very fine-grained, calcareous and slightly glauconitic sand, with fragments of *Bryozoans* and *Pelecypods*. Lithologically resembles Cretaceous..... 53- 100