

	FEET.
7. Driller's description: sand and thin layer of rock similar to Nos. 4-6, but contains a larger percentage of lime in form of fossil fragments and is lighter in color.....	100- 120
8-9. Driller's description: rock and sand, similar to No. 7, but a still larger percentage of lime.....	120- 150
10. Driller's description: sand and thin layers of rock. White calcareous sand and small sand-rock fragments, containing small <i>Bryozoans</i>	150- 170
Total depth.....	170

SECTION OF WELL AT MASONBORO SOUND, 7 OR 8 MILES SOUTHEAST OF WILMINGTON.

<i>Pleistocene</i> :	FEET.
1. Medium-grained, clean white quartz sand.....	0- 15
<i>Eocene</i> (Castle Hayne and Trent) :	
2-3. Coarse, clean white quartz sand, with some rose-colored grains and occasional white grains of calcium carbonate.	25- 45
4. Very coarse, clean quartz sand, with some grains of rose quartz, numerous coarse grains of glauconite, occasional fragments of shells and fragments of two species of <i>Bryozoans</i>	45- 58
5. Soft white limestone rock, consisting principally of fragments of <i>Bryozoans</i> . Very pure calcium carbonate.....	58- 78
6. Medium hard white limestone rock, consisting largely of <i>Bryozoan</i> remains, branching and encrusting forms.....	78- 85
7. Soft sandy white limestone rock, with a few imperfect <i>Bryozoan</i> remains.....	85- 95
8. Hard white limestone rock, slightly sandy, containing <i>Bryozoans</i> , both encrusting and branching forms, in considerable numbers, and one small specimen of <i>Gastropod</i>	95- 105
9. Loose, fine-grained, calcareous, slightly micaceous and slightly glauconitic gray sand.....	105- 125
10. Loose, fine-grained, calcareous, slightly micaceous sand, a little darker than the preceding. A few branching <i>Bryozoans</i>	125- 135
11. Same as sample No. 10, but darker gray.....	135- 155
<i>Cretaceous</i> (?) :	
12. Coarse, gray, calcareous sand and rock (presumably in alternate layers), containing many fragments of shells, probably for the most part <i>Ostrea</i> and a few <i>Bryozoans</i> , which may have fallen down from above. Lithologically resembles Cretaceous.....	155- 165
Total depth.....	187 (?)

SECTION OF WELL AT FORT CASWELL NEAR THE MOUTH OF CAPE FEAR RIVER, N. C., FROM SAMPLES FURNISHED BY THE OFFICER IN CHARGE.

<i>Pleistocene</i> :	FEET.
1. Loose beach sand, with small shell fragments.....	0- 30
2-3. Gray, calcareous, sandy clay, with well-preserved Pleistocene fossils, <i>Barnea</i> , <i>Crepidula</i> , <i>Nassa</i> , etc.....	30- 45