

	THICKNESS IN FEET.
10. Gray, very calcareous, arenaceous clay, with a tinge of yellow	140-150
11. Greenish-gray, very calcareous, arenaceous clay and pieces of hard, gray, calcareous sandstone.....	150-160
12. Gray, very calcareous, argillaceous clay.....	160-180
13. Greenish-gray, calcareous, argillaceous sand.....	180-200
14. Clean, loose, fine-grained, glauconitic, micaceous, slightly calcareous sand	200-220

At Newberlin the Peedee formation was encountered at a depth of 40 feet, as shown by the following section, which was prepared from samples furnished by the owner:

SECTION OF WELL AT NEWBERLIN, N. C., FARM No. 24, OWNED BY THE
CAROLINA TRUCKING DEVELOPMENT COMPANY.

	THICKNESS IN FEET.
<i>Pleistocene:</i>	
1. Red, sandy clay.....	0- 10
2. Buff, coarse, argillaceous sand.....	10- 20
3. Coarse, yellow sand.....	20- 30
<i>Miocene? (Pliocene?):</i>	
4. Coarse sand and gravel with numerous fragments of shells.	30- 40
<i>Cretaceous (Peedee sand):</i>	
5-22. Dark gray clay, more or less sandy and finely micaceous in the different samples. In samples 17 and 19 there are concretions of iron pyrites and in sample No. 19 a phosphate nodule	40-220
(There is no sample representing materials from 220 to 232 feet.)	
23A. Gray, calcareous sandstone.....	232-234
23B. Loose, fine-grained, very glauconitic sand, water-bearing.	234-236
24. Coarse, rather clean sand with small fragments of shells.	236-238

Section of well at St. Helena, 2½ miles south of Burgaw, Pender County, N. C. (Italian colony near A. C. L. Railroad), from samples furnished by the Carolina Trucking Development Company, Wilmington, N. C.

	THICKNESS IN FEET.
<i>Pleistocene:</i>	
1. Gray clay	0- 10
<i>Miocene:</i>	
2-6. Shell marl and gray or greenish-gray, fossiliferous sand...	10- 60
<i>Cretaceous (Peedee sand):</i>	
7. Dark gray, finely micaceous, glauconitic sand and sandy clay, apparently laminated.....	60- 70
8. Fine, loose, light gray, micaceous, glauconitic sand.....	70- 80
9. Same as preceding, but darker gray.....	80- 90
10. Dark gray, slightly argillaceous, finely micaceous, glauconitic sand	90-100