

OWNER: City of Newport News
Bacons Castle Test #2
DRILLER: Layne-Atlantic
COUNTY: Surry

W#: 231
C#: 55
TOTAL DEPTH: 799'

GEOLOGIC LOG

Depth
(feet)

0-291 NO SAMPLES.

NANJEMOY FORMATION (291-300⁺)

291 Sand - brown; medium to coarse grained; subrounded to rounded; moderately sorted; 70% glauconite (brown); quartz; 7% limestone and shell fragments (inc. gastropod); forams (inc. Nonion and Siphogenerina); pyrite.

292-300 NO SAMPLE.

300 Sand - gray; abundant clay; fine to very coarse grained; subangular to rounded; poorly sorted; quartz; 35% glauconite; 20% limestone fragments; forams (inc. Quinqueloculina) scarce.

301-378 NO SAMPLE.

MATTIPONI FORMATION (378⁺)

378 Sand - dark greenish gray; very fine to medium grained; subangular to rounded; moderately sorted; quartz; 40% glauconite; 3% shell and limestone fragments; some forams (inc. Nonion, Discorbis, Dentalina and Marginulina); spines; pyrite; bone fragments.

379-395 NO SAMPLE.

PATUXENT FORMATION (395-410⁺)

395 Sand - light gray; slightly clayey; slightly medium to very coarse grained; subangular; moderately well sorted; quartz; feldspar; few grains of glauconite and garnet.

396-410 NO SAMPLE.

410 As 395 plus trace of glauconite; garnet.

411-799 NO SAMPLE.

Note - samples are noted as "washed and floated".

GEOLOGIC SUMMARY

<u>Thickness (feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
291	NO SAMPLE	
9 ⁺	Nanjemoy Formation	Eocene
78	NO SAMPLE	
1 ⁺	Mattiponi Formation	Eocene-Cretaceous
16	NO SAMPLE	
15 ⁺	Patuxent Formation	Cretaceous

Virginia Division of Mineral Resources
 David A. Hubbard, Jr., Geologist
 June 21, 1978