



OWNER: Pembroke Manor, well #6  
DRILLER: Layne Atlantic Company  
COUNTY: Princess Anne

VDMR: 1715  
WWCR: 51  
TOTAL DEPTH: 125'

### GEOLOGIC LOG

Depth (feet)

0 - 4 No sample.

#### YORKTOWN FORMATION ( 4-125')

- 4 - 14 Sand — tan, trace of clay, a few granules; coarse- to very coarse-grained, well-sorted, subrounded; very slightly feldspathic.
- 14 - 23 Sand — buff, clean; fine- to medium-grained, well-sorted, subangular; accessory magnetite.
- 23 - 30 Sand — gray, clean; medium- to coarse-grained, well-sorted (skewed fine), subangular to subrounded; noticeable amount magnetite in finest fraction.
- 30 - 43 " accessory magnetite.
- 43 - 52 Sand — speckled gray and orange-brown (ferric oxide-staining), slightly clayey; medium-grained, well-sorted, subangular; traces of feldspar and muscovite; accessory magnetite.
- 52 - 68 Sand — gray, trace of clay; fine- to medium-grained, well-sorted, subangular to subrounded; accessory magnetite and feldspar, trace of kyanite; scattered pelecypod and gastropod shell fragments.
- 68 - 84 Sand — gray, very slightly clayey; fine- to very coarse-grained, moderately sorted (skewed coarse), subangular to rounded; slightly feldspathic; scattered pelecypod and scaphopod shell fragments.
- 84 - 104 Sand — gray, very slightly clayey, a few granules; fine- to medium-grained, well-sorted, angular to subangular; very slightly feldspathic; 2 to 5% abraded shell fragments.
- 104 - 125 " 5-10% shell fragments, and a few foraminifers and ostracods.

	<u>ROCK UNIT</u>	<u>AGE</u>
0 - 4	No sample	
4 - 125	Yorktown Formation	Miocene

Virginia Division of Mineral Resources  
Robert H. Teifke, Geologist  
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