WWCR 51

Page 1 of 1	VDMR Well No: 1715
Date rec'd: September 19, 1966	Sample Interval: from 4 to 125
PROP: Pembroke Manor #6	Number of samples: 9
COMP: Layne Atlantic Company	Total Depth: 125 feet
COUNTY: Princess Anne	Oil or Gas: Water: XExploratory:

From-To	From-To	From-To	From-To
-	-	-	-
4 - 14	-	-	-
14 - 23	-	-	-
23 30	-	-	-
30 43	-	-	-
43 _ 52			
52 - 68	-	-	-
	-	-	-
68 - 84	-	-	-
84 - 104	-	-	-
104 - 125	-	-	-
_			
		-	-
_	_	_	-
_	_		-
_	_		_
		_	_
-	-	-	_
-	-	_	_
-	_	-	-
-	_	-	-
-	-	_	
-	-	-	-
-	-	-	-
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-	-		
_	-	-	-
-	-	-	-
-	-		-
-	-	-	-
-	-	-	-
-	-		-
11		and a second	

All intervals have both washed and unwashed samples

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 of 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 mediumgrained, 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.

ROCK UNIT

AGE

0-4 No sample

4 - 125 Yorktown Formation

Miocene

Virginia Division of Mineral Resources Robert H. Teifke, Geologist October 26, 1966