

INTERVAL SHEET WWCR: 335

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VDMR Well No: 2216

Date rec'd: 8/7/68

Sample Interval: from 0 to: 282'

PROP: Town of Onancock
(Town Well #2)

Number of samples: 28

COMP: Sydnor Hydrodynamics, Inc.

Total Depth: 282'

COUNTY: Accomack (Onancock)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
0 - 10	-	-	-
10 - 20	-	-	-
20 - 30	-	-	-
30 - 40	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
110 - 120	-	-	-
120 - 130	-	-	-
130 - 140	-	-	-
140 - 150	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-
250 - 260	-	-	-
260 - 270	-	-	-
270 - 282	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Town of Onancock, Well #2
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Accomack (Onancock)

VDMR: 2216
WWCR: 335
TOTAL DEPTH: 282'

GEOLOGIC LOG

Depth in
feet

COLUMBIA GROUP (0-20')

- 0-10 Sand — brown, slightly clayey, a few small pebbles; fine-to medium-grained, well-sorted, angular to subrounded; clear quartz, with small amounts of feldspar and magnetite
- 10-20 Sand — orange-brown, trace of clay; medium-to coarse-grained, well-sorted, subangular to subrounded; slightly feldspathic; a very few rock fragments

YORKTOWN FORMATION (20-190')

- 20-30 Sand — gray, slightly-to moderately-clayey, 5% granule gravel, a few shell fragments; fine-grained, well-sorted, angular to subangular; predominantly quartz, with abundant fine-grained shell material and planospiral foraminifers; minor amounts of muscovite and garnet
- 30-40 Gravel and Sand — gray, slightly-to moderately-clayey, a few shell fragments; 50% subrounded to rounded, quartzo-feldspathic, slightly-lithic granule gravel; 50% fine-to medium-grained, well-sorted, angular-to-subrounded quartz sand; very-slightly glauconitic and feldspathic; minor amount of muscovite
- 40-50 Peat — brownish-black, compact, blocky fracture, slightly-silty and sandy; waxy, recognizable plant fragments common, but not abundant
- 50-60 Sand — bluish-gray, moderately clayey, plant fragments common; fine-to very fine-grained, well-sorted, angular to subangular; slightly-micaceous and carbonaceous; trace of feldspar
- 60-70 Sand — greenish-gray, moderately clayey, a few quartz granules and fragments of shell and calcitic sandstone; fine-to very fine-grained, well-sorted, angular; plant fragments and fragments of carbonaceous material common; small amounts of muscovite and glauconite

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- 70-80 Sand — greenish-gray, moderately clayey, a few quartz granules and fragments of shell and calcitic sandstone; fine-to very fine-grained, well-sorted, angular; plant fragments and fragments of carbonaceous material common; small amounts of muscovite and glauconite
- 80-90 " 3-5% glauconite
- 90-100 Shell and Sand — gray, slightly-to moderately-clayey, a few very-small pebbles; 60% pelecypod shell fragments and a few fragments of Turritella; 40% fine-to very fine-grained, well-sorted, angular quartz sand
- 100-110 Shell and Sand — gray, slightly clayey; 50% pelecypod shell fragments; 50% fine-to very coarse-grained, poorly-sorted, angular-to-rounded, clear quartz sand; traces of glauconite, magnetite, and garnet
- 110-120 Sand and Shell — gray, slightly clayey, 5% fine-grained (2-5 mm), rounded quartz gravel; 30% pelecypod shell fragments; 65% fine-to coarse-grained, rather poorly-sorted (skewed fine), angular-to-rounded, clear quartz sand
- 120-130 " with 10-15% pelecypod, shell fragments
- 130-140 Sand — gray, very-slightly clayey, 10% pelecypod shell fragments; fine-to medium-grained, well-sorted, angular to subangular; clear quartz with traces of epidote, magnetite, and glauconite
- 140-150 Sand and Shell — gray, trace of clay; 15% small pelecypod shells and shell fragments; 85% fine-to medium-grained, well-sorted, angular-to subangular, clear quartz sand; traces of glauconite, magnetite, and garnet
- 150-160 Shell and Sand — brownish-gray, slightly clayey, 5% granule gravel; 55% pelecypod shell fragments; 40% fine-to very coarse-grained, poorly-sorted, angular-to-rounded sand; very-slightly glauconitic; traces of pyrite and garnet
- 160-170 "
- 170-180 "

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180-190 Shell -- relatively-coarse pelecypod shell fragments
in matrix of slightly-clayey, slightly-glaucanitic,
fine-grained, well-sorted, angular sand

CALVERT FORMATION (190-282')

190-200 Sand -- gray, moderately clayey, 15% relatively-coarse
pelecypod shell fragments; fine-to medium-grained,
well-sorted, angular quartz sand, with 10% medium-
grained, greenish-black autochthonous glauconite

200-210 " with 25-30% greenish-black,
autochthonous glauconite

210-220 Sand -- gray, slightly-to moderately-clayey, 5%
pelecypod shells and shell fragments; fine-grained,
well sorted, angular; clear-to-greenish quartz
with 10% glauconite and traces of phosphorite and
muscovite

220-230 Sand -- greenish-gray, clayey, 10% pelecypod shell
fragments; fine-grained, well sorted, angular;
clear-to-greenish quartz with 15% glauconite;
slightly micaceous

230-240 Sand and Shell -- greenish-gray, moderately clayey; 30%
small pelecypod shell fragments; 70% fine-grained,
well-sorted, angular sand; sand consists of clear
and greenish quartz, with 20% glauconite; slightly
micaceous

240-250 " with 25% shell fragments

250-260 " with 35% pelecypod and gastropod
shell fragments and 5% glauconite

260-270 " "

270-282 Sand and Shell -- gray, moderately clayey; 40% small
pelecypod and gastropod shell fragments; 60%
very fine-to medium-grained, fairly well-sorted,
angular, clear quartz sand; very-slightly glauconitic

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GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-20'	Columbia Group	Pleistocene
20-190'	Yorktown Formation	Late Miocene
190-282'	Calvert Formation	Middle Miocene

Virginia Division of Mineral Resources
Robert H. Teifke, Geologist
August 13, 1968