

OWNER: Accomack Co. Board of Supervisors
DRILLER: Boggs Water & Sewage, Inc.
COUNTY: Accomack (Accomac)

VDMR: 2185
WWCR: 333
TOTAL DEPTH: 295'

GEOLOGIC LOG

Depth in
feet

YORKTOWN FORMATION (0-295')

0-80	Sand — gray, slightly clayey; fine- to coarse-grained, poorly sorted, subangular to rounded; slightly feldspathic; trace of shell material
80-90	" with 3-5% shell fragments
90-140	Clay — bluish-gray, silty and sandy; sand is fine- to coarse-grained, poorly sorted, subangular to rounded; very-slightly feldspathic; plant fragments common
140-160	Sand — brownish-gray, trace of clay, 10% coarse pelecypod shell material; very fine- to coarse-grained, poorly sorted, angular to rounded; clear quartz with minor amounts of carbonaceous material, partially decomposed glauconite, and feldspar
160-180	Sand — gray, slightly clayey, 10% pelecypod shell fragments; very fine- to coarse-grained, poorly sorted, variably rounded; traces of glauconite and feldspar
180-220	Sand and Shell — 50% coarse pelecypod and echinoid shell fragments; 50% fine- to very coarse-grained, poorly-sorted sand; small amounts of glauconite, feldspar, and magnetite; sparse matrix of reddish-brown and pale greenish-gray clays
220-265	Sand and Shell — gray, slightly clayey; 50% pelecypod shell fragments; 50% fine- to coarse-grained, rather poorly-sorted quartz sand with minor amounts of glauconite and feldspar, and traces of muscovite, garnet, and magnetite; a few echinoid spines and fragments of coral
265-275	" sand fraction is 3-5% glauconite
275-295	" 75% shell fragments, 25% sand

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#2185

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-295'	Yorktown Formation	Late Miocene

Virginia Division of Mineral Resources
Robert H. Teifke, Geologist
August 9, 1968

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VDNR - 2185
NWCR - 333

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:
Box 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Accomack Co. Board of Supervisors Mailing Address: Accomac, Virginia 23301

TENANT: County Building Complex Mailing Address: Accomac, Virginia 23301

DRILLER: Boggs Water & Sewage, Inc. Mailing Address: P.O. Box 193, Melfa, Va. 23410

WELL LOCATION: County Accomack Approx. 200 ^{feet}/_{miles} northeast (direction) of
County Court House and 150 ^{feet}/_{miles} South (direction) of Old U.S. #13

(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC. - ON COUNTY HIGHWAY OR OTHER MAP.)

DATE STARTED: March 11, 1968 DATE COMPLETED: March 18, 1968

TYPE OF DRILL RIG USED: Raynew Rotary TOTAL DEPTH 295 feet

WATER LEVEL: Stands 30 feet below surface OR
has NATURAL flow of 0 gallons per minute.

YIELD TEST: Method Air-lifting
Drawdown 118 feet
Rate 50 gal. per min.
Duration 12 hrs., 0 min.

HOLE SIZE: 8 inches from 0 to 295 feet
7 inches from to feet
 inches from to feet

WATER ZONES: from 12 to 80 feet
from 160 to 180 feet
from 275 to 295 feet

SCREEN SIZE: 4 inches from 275 to 295 feet
 inches from to feet
 inches from to feet

WATER: Color Clear Taste Good
Odor None Temp. ? °F

CASE SIZE: 4 inches from 0 to 275 feet
 inches from to feet
 inches from to feet

WELL TO SUPPLY: (check one) Home
Farm Town School
Industry Other County Buildings

GROUTING: Method Pumped in under pressure
Material Cement Depth 100 feet

WATER ANALYSIS AVAILABLE: Yes X No
DRILL CUTTINGS SAVED: Yes X No

PUMP: Type Jacuzzi
Capacity 50-60 gal. per min.
Depth of intake 150' feet

(DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHED FREE OF CHARGE UPON REQUEST.)

REMARKS: Cuttings were collected from every strata change as indicated on log on reverse side of report.

9 samples

LOG

FURNISHED BY: Boogs Water & Sewage, Inc. DATE: March 26, 1968

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	80	Top Soil, fine sand with layers of course gravel	
80	90	Course sand with fine gravel	Water available but high in iron content.
90	140	Blue Clay	
140	160	Grey Sand and Blue Clay	
160	180	Course Sand	Water available but not in quantity. Very poor producing strata.
180	220	Sand and shell mixed with blue clay	
220	265	Sand and blue clay	Mixed - not in layers
265	275	Course Shell and sand	Shell looked dead with very little sign of water.
275	295	Flake Shell and sand	Very hard - screens set at this depth. Water low in iron. Relatively soft.