

INTERVAL SHEET

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WWCR: 80
VDMR Well No: 2160

Date rec'd: 4/2/68

Sample Interval: from 0 to: 140'

PROP: Gloucester Sanitary District #2, Well #2

Number of samples: 14

COMP: Sydnor Hydrodynamics, Inc.

Total Depth: 140'

COUNTY: Gloucester (Gloucester Point)

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	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples

OWNER: Gloucester Sanitary District #2, Well #2
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Gloucester (Gloucester Point)

VDMR: 2160
WWCR: 80
TOTAL DEPTH: 140'

GEOLOGIC LOG

Depth in
feet

COLUMBIA GROUP (0-50')

- | | |
|-------|---|
| 0-10 | Sand — reddish-brown, slightly clayey; medium- to coarse-grained, fairly well-sorted, subrounded to rounded; slightly feldspathic; comprehensively iron-oxide stained |
| 10-20 | Sand — reddish-brown, slightly clayey, 10% granule gravel; medium- to very coarse-grained, moderately sorted, subrounded to rounded; moderately feldspathic; trace of weathered glauconite; comprehensively iron-oxide stained |
| 20-30 | " 15-20% granule gravel; many unstained grains |
| 30-40 | Sand and Shell — tan, very-slightly clayey, trace of granule gravel; 30% shell fragments, mostly bryozoans; 70% medium- to very coarse-grained, subangular-to-rounded, slightly-feldspathic sand; a few iron-oxide stained grains; trace of decomposed glauconite |
| 40-50 | " with 10% granule gravel and 15% shell fragments, mostly bryozoans |

YORKTOWN FORMATION (50-140')

- | | |
|--------|--|
| 50-60 | Sand and Shell — brownish-gray, slightly- to moderately-clayey, a few very small pebbles; 50% pelecypod shell fragments; 50% fine- to coarse-grained, rather poorly-sorted, variably-rounded sand; very-slightly glauconitic; a few small gastropods |
| 60-70 | Sand and Shell — gray, slightly- to moderately-clayey; 50% pelecypod shell fragments; 50% medium-grained, moderately-sorted, angular- to-subrounded, slightly-glauconitic quartz sand; a few echinoid spines |
| 70-80 | " 60% shell fragments, 40% sand |
| 80-90 | " " |
| 90-100 | " 70% shell fragments, 30% sand |

OWNER: Gloucester Sanitary District #2, Well #2 #2160

- 100-110 Shell and Sand — gray, slightly clayey; 60% pelecypod shell fragments; 40% fine- to coarse-grained, rather poorly-sorted, angular-to-rounded quartz sand; trace of glauconite
- 110-120 Sand — greenish-gray, clayey, 5% shell fragments; fine- to medium-grained, well-sorted, angular to sub-rounded; trace of glauconite; locally a calcitic sandstone; a few echinoid spines and small gastropods
- 120-130 " with 15% shell fragments
- 130-140 " with 5% shell fragments

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-50'	Columbia Group	Pleistocene
50-140'	Yorktown Formation	Late Miocene

Virginia Division of Mineral Resources
Robert H. Teifke, Geologist
April 4, 1968

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

P 3667
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Gloucester Sanitary District #2, Well #2 Mailing Address: Gloucester Point, Virginia

ENG. ~~XXXXX~~ R. Stuart Royer & Associates Mailing Address: 15 W. Clay St., Richmond, Va.

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: 1305 Brook Rd., Richmond, Va.

WELL LOCATION: County Gloucester Approx. 1200 feet ~~miles~~ West (direction) of
Route 17 and 1000 feet ~~miles~~ southeast (direction) of Route 1206

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

DATE STARTED: 1/8/68 DATE COMPLETED: 1/31/68

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 140 feet

WATER LEVEL: Stands 25 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Submersible pump
Drawdown 35 feet
Rate 6 gal. per min.
Duration 24 hrs., _____ min.

HOLE SIZE: 12 inches from 0 to 140 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
SCREEN SIZE: 6 inches from 52 to 58 feet
6 inches from 71 to 77 feet
6 inches from 82 to 90 feet
6 inches from 99 to 105 feet

WATER ZONES: from 52 to 58 feet
71 to 77 feet
from 82 to 90 feet
from 99 to 105 feet

CASE SIZE: 6 inches from 0 to 52 feet
6 inches from 58 to 71 feet
6 inches from 77 to 82 feet
6 inches from 90 to 99 feet
6 inches from 105 to 109 feet

WATER: Color Clear Taste _____
Odor _____ Temp. _____ °F

GROUTING: Method Pressure
Material cement & water Depth 50 feet

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

PUMP: Type _____
Capacity _____ gal. per min.
Depth of intake _____ feet

WATER ANALYSIS AVAILABLE: Yes No _____

DRILL CUTTINGS SAVED: Yes No _____

(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: Electric log ran by driller.

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc. DATE: 1/31/68

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	10	Yellow clay	
10	20	Sand and yellow clay	
20	30	Sand and gravel	
30	40	Sand, shells, clay	
40	60	Blue clay, sand, shells	
60	65	Soft sand and shells	
65	70	Hard blue clay	
70	90	Rough shells	
90	100	Soft clay and shells	
100	105	Rough shells and sand	
105	115	Shells and clay	
115	140	Blue clay and shells	