

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2418
C- 336

MAILING ADDRESS:

B 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Gulf Stream Nursery Mailing Address: Wachapreague, Virginia

TENANT: _____ Mailing Address: _____

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

WELL LOCATION: County Accomack Approx. 300 ^{feet}~~x miles~~ north (direction) of
State Rt. 622 and 1000 ^{feet}~~x miles~~ south (direction) of State Rt. 736

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

DATE STARTED: 11/5/68 DATE COMPLETED: 12/12/68

TYPE OF DRILL RIG USED: rotary TOTAL DEPTH 304 feet

WATER LEVEL: Stands 5 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method pumped

Drawdown 163 feet

Rate 192 gal. per min.

Duration 12 hrs., 0 min.

WATER ZONES: from 174 to 194 feet

from 204 to 224 feet

from 252 to 267 feet

WATER: Color clear Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry Other _____

WATER ANALYSIS AVAILABLE: Yes No _____

DRILL CUTTINGS SAVED: Yes 30 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: _____

HOLE SIZE: 17 inches from 0 to 280 feet

9 inches from 280 to 304 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: 8 inches from 174 to 194 feet

8 inches from 204 to 224 feet

8 inches from 252 to 267 feet

CASE SIZE: 8 inches from 1'6" to 174 feet
8 inches from 194 to 204 feet

8 inches from 224 to 254 feet

8 inches from 267 to 272 feet

GROUTING: Method pressure
cement and

Material water Depth 50 feet

PUMP: Type turbine

Capacity _____ gal. per min

Depth of intake _____ feet

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc. DATE: 12/12/68

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	1	Topsoil	
.1	23	Sand and gravel	
23	27	Blue clay	
27	30	Big gravel	
30	74	Gray clay, sand and shells mixed	
74	94	Sand, shells and clay mixed	
94	114	Lot of gray sand, little clay and shells	
114	134	Mostly clay, some sand and shells	
134	154	Lot of shells, sand and clay	
154	174	Gray sand, shells and clay	
174	194	Coarse sand	
194	204	Sand and shells	
204	225	Hard rock and shells	
225	232	Clay	
232	234	Rock	
234	249	Clay, shells and some sand	
249	251	Clay	
251	258	Sand	
258	266	Rock	
266	278	Sand and shells	
278	280	Rock	
280	284	Sand, shells and clay	
284	287	Rock	
287	304	Sand, clay, shells and streaks of rock	
304		Rock	

(Use additional forms if necessary)

VIRGINIA DIVISION OF MINERAL RESOURCES
INTERVAL SHEET

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Well Repository No: W-2418

Date rec'd: 1/27/69

Sample Interval: from 0 to: 300'

PROP: Gulf Stream Nursery

Number of samples: 30

COMP: Sydnor Hydrodynamics, Inc.

Total Depth: 304'

COUNTY: Accomack (Wachapreague)

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 - 280	-	-	-
280 - 290	-	-	-
290 - 300	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Gulf Stream Nursery
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Accomack (Wachapreague)

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TOTAL DEPTH- 304'

GEOLOGIC LOG

Depth
in feet

COLUMBIA GROUP (0-20')

0-10	Sand — tan, clean, 10% granule gravel; fine to very coarse; slightly feldspathic
10-20	" 20% granule gravel

YORKTOWN FORMATION (20-300')

20-30	Clay — gray, sandy, trace of fine gravel; abundant green quartz
30-40	Sand — tan, clean, 15% shell fragments; fine to coarse
40-50	Sand — gray, slightly clayey, 25% shells and shell fragments; fine to coarse, slightly glauconitic
50-60	" 20% shell fragments
60-70	" 15% shell fragments
70-80	Sand — gray, slightly clayey, a few shell fragments; medium; slightly glauconitic
80-90	" fine to coarse
90-100	" medium to coarse
100-110	Sand — gray, slightly clayey, 10% shell fragments; fine to coarse; abundant green quartz; slightly glauconitic
110-120	" 20% shell fragments
120-130	" 30% shell fragments
130-140	" fine to very coarse; 25% shell fragments

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140-150	Sand and shell — gray, moderately clayey; 40% shell fragments, 60% fine to medium, slightly glauconitic sand
150-160	Sand — gray, very slightly clayey, 5% shell fragments; fine to very coarse, very slightly glauconitic
160-170	"
170-180	Sand — gray, clean, trace of shell fragments; coarse; very slightly glauconitic
180-190	" fine to coarse; slightly glauconitic
190-200	Shell and sand — gray, slightly clayey; 60% shell fragments, 40% fine to coarse sand with trace of glauconite
200-210	Shell and sand — gray, slightly clayey, weakly cemented by carbonate; 70% shell fragments, 30% fine to coarse, slightly glauconitic sand
210-220	"
220-230	Sand — gray, clean, trace of shell; fine to coarse, very slightly glauconitic
230-240	Sand — gray, clayey, trace of shell; fine to very coarse (bimodal); slightly glauconitic
240-250	" with 10% shell fragments
250-260	Sand and shell — gray, slightly clayey; 25% shell fragments; 75% fine to coarse sand with trace of glauconite
260-270	Shell and limestone — shell fragments (50%) cemented by sandy, glauconite-bearing limestone (50%)
270-280	"
280-290	Sand and shell — gray, slightly clayey; 40% shell fragments; 60% fine to coarse sand; abundant pyrite
290-300	" pyrite common, but not abundant
300-304'	No sample

OWNER: Gulf Stream Nursery

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GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-20'	Columbia Group	Pleistocene
20-300'	Yorktown Formation	Late Miocene
300-304'	No sample	—

Virginia Division of Mineral Resources
Robert H. Teifke, Geologist
February 6, 1969