

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 2653
C#: 164

MAILING ADDRESS:
Box 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES
JAMES L. CALVER, COMMISSIONER
WATER WELL COMPLETION REPORT

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: Sanford Canning Company Mailing Address: Tucker Hill, VA 22488

TENANT: _____ Mailing Address: _____

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: 1305 Brook Road
Richmond, VA

WELL LOCATION: County Westmoreland Approx. 3000 ^{feet}/_{miles} Southwest (direction) of
Potomac River and Northend (direction) of St. Rd. 763

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

DATE STARTED: 6/23/69 DATE COMPLETED: 7/9/69

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 300 feet

WATER LEVEL: Stands 9'6" feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Submersible pump
Drawdown 68'10" feet
Rate 110 gal. per min.
Duration 3 hrs., 45 min.

WATER ZONES: from 190 to 265 feet
from _____ to _____ feet
from _____ to _____ feet

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

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

WATER ANALYSIS AVAILABLE: Yes _____ No XX

DRILL CUTTINGS SAVED: 30
Yes XX 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 by driller.

HOLE SIZE: 11 inches from 0 to 50 feet
9 7/8 inches from 50 to 300 feet
_____ inches from _____ to _____ feet

SCREEN SIZE: 4 inches from 211 to 221'1" feet
4 inches from 243'6" to 253'7" feet
_____ inches from _____ to _____ feet

CASE SIZE: 6 inches from +1'6" to 132 feet
4 inches from 132 to 211 feet
4 inches from 221'1" to 243'6" feet
4 inches from 253'7" to 260 feet

GROUTING: Method Pressure
Material Cement & water Depth 50 feet

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

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc.

DATE: 7/14/69

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	11	Brown clay	
11	17	Slicky brown and gray clay	
17	97	Blue clay, shells	
97	193	Green clay	
193	217	Streaks of shell, fine white sand and green clay	
217	231	Hand shells, very little sand	
231	246	Shells - white and brown sand	
246	267	Brown and white sand	
267	300	Dark gray silty clay and fine silty sand	

(Use additional forms if necessary)

VIRGINIA DIVISION OF MINERAL RESOURCES
 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

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Well Repository No: W#: 2653
 C#: 164

Date rec'd: 8/22/69 Date Processed:

Sample Interval: from: 0 to: 300

PROPERTY: Sanford Canning Co.

Number of samples: 29

COMPANY: Sydnor Hydrodynamics Inc.

Total Depth: 300'

COUNTY: Westmoreland
 (Tucker Hill)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
0 - 10	250 - 260	-	-
10 - 20	260 - 270	-	-
20 - 30	270 - 280	-	-
30 - 40	280 - 290	-	-
40 - 50	290 - 300	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
-	-	-	-
-	-	-	-
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	-	-	-

All intervals have both washed and unwashed samples.

Threw away 3. Couldn't identify depth intervals.

OWNER: Sanford Canning Co.
DRILLER: Sydnor Hydrodynamics
COUNTY: Westmoreland
(Tucker Hill)

W#: 2653
C#: 164
TOTAL DEPTH: 300
QUAD: Machodoc

GEOLOGIC LOG

Depth
(feet)

- 0 - 10 Clay and sand -- grayish orange; abundant clay; moderate sand; fine grained, some medium grains; subangular; well sorted; quartz; some feldspar; few opaques.
- 10 - 20 As above except light grayish orange; 3% ferricrete.
- 20 - 30 Sand and clay -- light olive gray; moderate clay; abundant sand; fine to medium grained; subangular to subrounded; well sorted; quartz; 3% shell fragments; 2% ferricrete; few black phosphatic fragments.
- 30 - 40 As above except 7% shell fragments; 3% ferricrete; some black phosphatic material.
- 40 - 50 Sand -- light olive gray; abundant clay; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; 7% shell fragments; 3% ferricrete; some black phosphatic material; glauconite; few bone fragments; forams rare (inc. Nonion).
- 50 - 60 Sand -- light olive gray; moderate clay; fine grained, some medium grains; subangular to subrounded; well sorted; quartz; 7% shell fragments; 2% ferricrete; some glauconite; few black phosphatic fragments; few gypsum crystals, forams (inc. Globigerina, Nonion, Bulimina, and Buccella).
- 60 - 70 Sand -- light olive gray; moderate clay; fine grained; subangular to subrounded; well sorted; quartz; 5% shell fragments; some black phosphatic material; few flakes of muscovite; few bone fragments; foram.
- 70 - 80 Clay -- light olive gray; abundant sand; fine grained; subangular to subrounded; well sorted; quartz; 5% shell fragments; some black phosphatic material; forams scarce (inc. Nonion).
- 80 - 90 As above except some shell fragments; few flakes of muscovite; few bone fragments; few diatoms.
- 90 - 110 No sample.
- 110 - 120 Sand and clay -- light olive gray; moderate clay; abundant sand; fine grained; subangular to subrounded; well sorted; quartz; 2% shell fragments; some black phosphatic material; some diatoms; forams (inc. Nonion and Uvigerina).

Depth
(feet)

- 120 - 130 As above.
- 130 - 140 Clay -- light olive gray; abundant sand; fine grained; subangular to subrounded; well sorted; quartz; some diatoms; few black phosphatic fragments; few shell fragments; forams rare (inc. Nonion).
- 140 - 150 Sand and clay -- light olive gray; moderate clay; abundant sand, fine grained; subangular to subrounded; well sorted; quartz; few black phosphatic fragments; few shell fragments; forams (inc. Robulus, Nonion, and Textularia); gypsum; few diatoms; bone fragment; muscovite
- 150 - 160 Sand -- light olive gray; abundant clay; fine grained; subangular to subrounded; well sorted; quartz; some black phosphatic material; forams common (inc. Textularia, Nonion, Robulus, Globigerina, and Bolivina); few flakes of muscovite; gypsum; few bone fragments.
- 160 - 170 As above plus some shell fragments; forams (inc. Robulus, Nonion, and Bolivina).
- 170 - 180 Sand -- light olive gray; moderate clay; fine grained; subangular to subrounded; well sorted; quartz; some shell fragments; few black phosphatic fragments; forams (inc. Robulus, Nonion, Textularia, and Bolivina): gypsum.
- 180 - 190 Clay -- light olive gray; moderate sand; fine grained; subangular to subrounded; well sorted; quartz; few shell fragments; few black phosphatic fragments; forams (inc. Nonion and Robulus).
- 190 - 200 Sand -- light olive gray; abundant clay; fine grained; subangular to subrounded; well sorted; quartz; some shell fragments; few black phosphatic fragments; few echinoid spines; forams (inc. Robulus, Textularia, Nonion, and Cibicides ?).
- 200 - 210 Clay -- light olive gray; slightly sandy; fine grained; subangular to subrounded; well sorted; quartz; few shell fragments; few diatoms; forams scarce (inc. Robulus).
- 210 - 220 Sand -- light olive gray; moderate clay; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; 5% shell fragments; 2% black phosphatic material; few echinoid spines; gypsum; forams (inc. Robulus, Textularia, and Nonion).
- 220 - 230 Sand -- light olive gray; slightly clayey; medium grained, some granules; subangular to subrounded; well sorted; quartz; 35% limestone and shell fragments; 3% glauconite; some black phosphatic material; forams rare (inc. Robulus).

Depth
(feet)

- 230 - 240 Coquina -- light olive gray; moderate clay, moderate sand; medium to coarse grained, few granules; subangular to subrounded; moderately well sorted; 75% limestone and shell fragments; quartz; 2% glauconite; few black phosphatic fragments; forams (inc. Buccella and Robulus).
- 240 - 250 Sand and coquina -- light olive gray; moderate clay; medium to coarse grained, some fine grains, few pebbles; subangular to subrounded; moderately well sorted; quartz; 40% sandy limestone and shell fragments; 5% glauconite; few echinoid spines.
- 250 - 260 Sand -- light olive gray; slightly clayey; medium to coarse grained, 5% granules; subangular, to rounded; moderately well sorted; quartz; 25% limestone and shell fragments; 7% glauconite (black, brown, green); few black phosphatic fragments.
- 260 - 270 As above except some granules; 10% glauconite; 7% limestone and shell fragments.
- 270 - 280 As above except 15% glauconite.
- 280 - 290 As above plus some moderately to heavily stained grains; no black phosphatic material.
- 290 - 300 As above except 25% glauconite.

Logged by: Michael T. Currie
April 5, 1979