

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-3424
C-41

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: Dixie Hospital Mailing Address: 3120 Victoria Blvd.
Hampton, Virginia 23369

TENANT: _____ Mailing Address: _____

DRILLER: Sydnor Hydrodynamics, Incorporated Mailing Address: P. O. Box 27186
Richmond, Virginia 23261

WELL LOCATION: County York (Elizabeth City) Approx. 1200 ^{feet}/_{miles} southeast (direction) of
Victoria Blvd. and 300 ^{feet}/_{miles} southwest (direction) of Algonquin

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

DATE STARTED: November 9, 1971 DATE COMPLETED: January 12, 1972

TYPE OF DRILL RIG USED: rotary TOTAL DEPTH 400 feet

WATER LEVEL: Stands 5½ feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method submersible
Drawdown 75½ feet
Rate 20 gal. per min.
Duration 8 hrs., _____ min.

HOLE SIZE: 9 inches from 0 to 50 feet
7 7/8 inches from 50 to 400 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 80 to 170 feet
from _____ to _____ feet
from _____ to _____ feet

SCREEN SIZE: 4 inches from 82 to 92 feet
4 inches from 110 to 120 feet
4 inches from 138 to 148 feet
4 inches from 160 to 170 feet

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

CASE SIZE: 4 inches from +2 to 82 feet
4 inches from 92 to 110 feet
4 inches from 120 to 138 feet
4 inches from 148 to 160 feet
4 inches from 170 to 175 feet

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

GROUTING: Method pressure
Material cement & water Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes No _____

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

DRILL CUTTINGS SAVED: Yes 81* 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 and gamma log ran.

* Double set received; one set saved (40).

LOG

FURNISHED BY: _____ DATE: _____

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	Top soil	
10	20	Gray clay	
20	30	Green sand clay	
30	49	Clay, some fine sand	
49	50	Coarse sand	
50	100	Clay, fine sand	
100	120	Fine sand, clay shells	
120	130	Fine sand shells	
130	140	Fine sand	
140	180	Fine sand, clay, shells	
180	210	Fine sand, clay, streaks of shells	
210	228	Clay, shells	
228	229	Shells	
229	240	Clay	
240	380	Clay, shells	
380	400	Clay, green	

(Use additional forms if necessary)

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

INTERVAL SHEET

C-41

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Well Repository No.: W-3424

Date rec'd: 02/22/72 Date Processed: 04/04/72

Sample Interval: from 0 to: 400

PROPERTY: Dixie Hospital

Number of samples: 40

COMPANY: Sydnor Hydrodynamics, Incorporated

Total Depth: 400'

COUNTY: York (Elizabeth City)

Oil or Gas: Water: x Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10	50-60	-	-	-
10-20	60-70	-	-	-
20-30	70-80	-	-	-
30-40	80-90	-	-	-
40-50	90-300	-	-	-
50-60	300-10	-	-	-
60-70	10-20	-	-	-
70-80	20-30	-	-	-
80-90	30-40	-	-	-
90-100	40-50	-	-	-
100-10	50-60	-	-	-
10-20	60-70	-	-	-
20-30	70-80	-	-	-
30-40	80-90	-	-	-
40-50	90-400	-	-	-
50-60	-	-	-	-
60-70	-	-	-	-
70-80	-	-	-	-
80-90	-	-	-	-
90-200	-	-	-	-
200-10	-	-	-	-
10-20	-	-	-	-
20-30	-	-	-	-
30-40	-	-	-	-
40-50	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

All intervals have both washed and unwashed samples

OWNER : Dixie Hospital
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY : York (Elizabeth City)

W# : 3424
C# : 41
TOTAL DEPTH: 400'
QUAD : Hampton

GEOLOGIC LOG

Depth
(feet)

- 0-10 Sand- yellowish-gray; slightly clayey; slightly silty; fine to medium grained, 15% granules, some pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; few opaques; glauconite; muscovite.
- 10-20 Sand- yellowish-gray; coarse to very coarse grained; subrounded; well sorted; quartz; feldspar; few opaques; glauconite.
- 20-30 Sand- yellowish-gray; very coarse grained to granular, some medium grains; subrounded; moderately well sorted; quartz; 15% shell fragments; feldspar; few grains of glauconite.
- 30-40 Sand- yellowish-gray; coarse grained to granular, some medium grains; subangular to subrounded; moderately sorted; quartz; 20% shell fragments; forams scarce (inc. Nonion and Quinqueloculina).
- 40-50 Sand- light olive gray; slightly silty; fine to medium grained; subangular to subrounded; well sorted; quartz; 7% shell fragments; some echinoid spines; forams common (inc. Quinqueloculina, Buccella, Nonion, and Globigerina); ostracode.
- 50-60 As above plus 2% granules; few pebbles; Textularia, no Globigerina; ostracodes.
- 60-70 As above except 5% shell fragments; forams (inc. Buccella, Nonion, and Quinqueloculina).
- 70-80 As above except few granules; no pebbles.
- 80-90 Sand- light olive gray; fine to medium grained; subrounded; well sorted; quartz; 10% shell fragments; some black phosphatic material; few grains of glauconite; forams rare (inc. Globigerina).
- 90-100 Sand- light olive gray; fine to medium grained; subrounded; well sorted; quartz; 7% shell fragments; 2% glauconite; some black phosphatic material; few echinoid spines; forams (inc. Buccella); ostracodes.

Depth
(feet)

- 100-110 Sand- light olive gray; slightly clayey; moderate silt; fine to medium grained; subrounded; well sorted; quartz; 7% shell fragments; 2% bone fragments; some glauconite; few black phosphatic fragments; forams rare (inc. Buccella).
- 110-120 Sand- light olive gray; fine to medium grained; subrounded; well sorted; quartz; 5% shell fragments; some glauconite; few black phosphatic fragments; few echinoid spines; few bone fragments.
- 120-130 As above except slightly silty; 3% glauconite; forams rare (inc. Buccella); no bone fragments.
- 130-140 As above except 3% shell fragments; no echinoid spines.
- 140-150 Sand- light olive gray; slightly clayey; moderate silt; fine to medium grained; subangular to subrounded; well sorted; quartz; 15% shell fragments; 5% glauconite; few echinoid spines.
- 150-160 As above except fine grained; 20% shell fragments; 2% glauconite.
- 160-170 As above except 5% shell fragments.
- 170-180 As above except 7% shell fragments; some glauconite.
- 180-190 As above except abundant silt; 10% shell fragments; few black phosphatic fragments.
- 190-200 As above plus ostracode.
- 200-210 Sand- light olive gray; moderate clay; moderate silt; fine grained; subangular to subrounded; well sorted; quartz; 3% shell fragments; some glauconite; few flakes of muscovite.
- 210-220 As above except some shell fragments; forams rare (inc. Textularia).
- 220-230 As above except 15% shell fragments.
- 230-240 As above except 3% shell fragments.
- 240-250 As above except some shell fragments; forams scarce (inc. Nonion and Textularia).
- 250-260 As above except forams (inc. Bulimina and Nonion).

Depth
(feet)

- 260-270 Sand- light olive gray; moderate clay; moderate silt; fine grained, few granules; subangular to subrounded; well sorted; quartz; 5% shell fragments; few grains of glauconite; muscovite; few echinoid spines; forams (inc. Nonion and Textularia); ostracode.
- 270-280 As above except abundant silt; 2% shell fragments.
- 280-290 Clay and silt- light olive gray; slightly sandy; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; some shell fragments; few flakes of muscovite; forams scarce (inc. Nonion).
- 290-300 As above except forams (inc. Nonion, Robulus, and Buccella).
- 300-310 Clay- light olive gray; slightly silty; abundant sand; medium grained, some fine grains, some coarse grains; subangular to subrounded; moderately well sorted; quartz; 2% shell fragments; some glauconite; few echinoid spines; forams scarce (inc. Nonion); ostracodes.
- 310-320 As above except forams rare (inc. Buccella).
- 320-330 Clay- light olive gray; moderate sand; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; 2% shell fragments; few grains of glauconite; few echinoid spines; forams rare (inc. Buccella); ostracode.
- 330-340 As above except abundant sand; forams scarce (inc. Nonion).
- 340-350 Clay- light olive gray; slightly silty; slightly sandy; fine grained; subangular to subrounded; well sorted; quartz; few shell fragments; glauconite; forams scarce (inc. Robulus and Nonion).
- 350-360 As above except fine to medium grained; moderately well sorted; forams (inc. Nonion, Robulus, and Buccella).
- 360-370 Clay- light olive gray; moderate silt; moderate sand; fine grained to gravel; subangular to subrounded; poorly sorted; quartz; few shell fragments; muscovite; forams rare (inc. Nonion).
- 370-380 As above except some shell fragments; no forams.

Depth
(feet)

- 380-390 Clay- light olive gray; abundant sand; medium grained to granular; subangular to subrounded; poorly sorted; quartz; 3% shell fragments; few black phosphatic fragments; few grains of feldspar (granules); muscovite; forams (inc. Robulus, Textularia, and Buccella); ostracode.
- 390-400 Clay- light olive gray; slightly sandy; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; some shell fragments; few grains of glauconite; muscovite; forams (inc. Robulus and Textularia).

Logged by: Michael T. Currie
July 20, 1979