

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W - 3872
C - 104

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: Milford Sanitary District Mailing Address: Box 247, Milford, Va.

TENANT: _____ Mailing Address: _____

DRILLER: Douglas Drilling Co., Inc. Mailing Address: Box 498, Warsaw, Va. 22572

WELL LOCATION: County Caroline Approx. 9/10 ^{feet}/_{miles} West (direction) of

Routes 301/2 on Route 640 and 50 ^{feet}/_{miles} North (direction) of Route 640

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

DATE STARTED: 16 March 1973 DATE COMPLETED: 26 April 1973

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 295 feet

WATER LEVEL: Stands 131 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Test Pump

Drawdown 67 feet

Rate 80 gal. per min.

Duration 24 hrs., 24 min.

WATER ZONES: from 275 to 292 feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color Clear Taste None

Odor None Temp. 62.6 °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town X School _____

Industry _____ Other _____

WATER ANALYSIS AVAILABLE: Yes X No _____

DRILL CUTTINGS SAVED: ²⁸ Yes X 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: CONSTRUCTION: This is a Class I well.

Drill cutting samples delivered to owner c/o Charles Brooks 4/27/73.

HOLE SIZE: 10³/₄ inches from 0 to 105 feet

8³/₈ inches from 105 to 275 feet

5⁷/₈ inches from 275 to 295 feet

SCREEN SIZE: _____ inches from _____ to _____ feet

No. 4 3 inches from 262 to 292 feet

_____ inches from _____ to _____ feet

CASE SIZE: 6 inches from 0 to 275 feet

WEIGHT: Standard 3 inches from 254 to 262 feet

Schedule 40 3 inches from 292 to 295 feet

GROUTING: Method Tremmie pipe

Material Neat cement Depth 275 feet

TEST PUMP: Type Submersible

Capacity 80 gal per min

Depth of intake 245 feet

LOG

FURNISHED BY: Douglas Drilling Co., Inc.

DATE: 4/26/73

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)		REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO			
0'	approx. 10'		Fine sand with clay binder	
10'	approx. 20'		Fine sand with some clay	
20'	approx. 45'		Fine sand with clay binder	
45'	approx. 55'		Fine sand with clay binder and some shell	
55'	approx. 85'		Fine sand with clay binder	
85'	approx. 180'		Fine sand with clay binder and some shell	
180'	approx. 275'		Fine sand with clay binder	
275'	approx. 285'		Fine sand with some clay	Screen, water
285'	approx. 295'		Fine and course sand with some clay	Screen, water
Drill cutting samples delivered to owner c/o Charles Brooks 4/27/73.				

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

INTERVAL SHEET

Page 1 of 1

C-104
 Well Repository No.: W-3872

Date rec'd: 5/14/73 Date Processed: 5/8/74

Sample Interval: from 0 to: 295

PROPERTY: Milford Sanitary District

Number of samples: 28

COMPANY: Douglas Drilling Co., Inc.

Total Depth: 295'

COUNTY: Caroline (Milford)

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10	263-74	-	-	-
10-21	274-284	-	-	-
21-31	284-95	-	-	-
31-42	-	-	-	-
42-52	-	-	-	-
52-63	-	-	-	-
63-73	-	-	-	-
73-84	-	-	-	-
84-94	-	-	-	-
94-105	-	-	-	-
105-15	-	-	-	-
115-26	-	-	-	-
126-36	-	-	-	-
136-47	-	-	-	-
147-58	-	-	-	-
158-69	-	-	-	-
169-79	-	-	-	-
179-90	-	-	-	-
190-200	-	-	-	-
200-11	-	-	-	-
211-21	-	-	-	-
221-32	-	-	-	-
232-42	-	-	-	-
242-53	-	-	-	-
253-63	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

All intervals have both washed & unwashed samples.

Owner: Milford Sanitary District
Driller: Douglas Drilling Co., Inc.
County: Caroline (Milford)

W# 3872
C# 104
Total depth: 295'
Quad:
Elev:

Depth
(feet)

WELL LOG

- 0-10 Sand - moderate yellow orange (10yr 7/6); medium to very coarse, sub-angular; moderate sorting; quartz; rose quartz; phosphate fragments.
- 10-20 Sand - dusky yellow (5y 6/4); sparse clay in gray ^{pl}plasts; yellow-stained sand as above, some granules; mica.
- 20-31 Sand - light olive gray (5y 6/2); moderate clay as above; sand as above; feldspar.
- 31-42 Clay, Sandy - as above, except: (5y 5/2).
- 42-52 Clay, Sandy - as above, except: fine grain clay clasts of (5y 5/1) color; moderate amount, abundant granular clay; medium to coarse sand, sub-angular; moderately well sorted; quartz; 1% + glauconite; 10% shell fragments; fine black phosphate fragments.
- 52-63 Clay, Sandy - light olive gray (5y 5/2); abundant sand - as above, sparse shell fragments.
- 63-73 Sand - light olive gray (5y 5/2); sparse clay; medium, sub-rounded; some coarse to granule; well sorted; quartz, phosphate nodules.
- 73-84 Sand - as above, except: moderate clay in clasts and granular.
- 84-94 Sand - moderate olive gray (5y 5/1); sparse light gray clay; very fine to very coarse clasts; sand - as above, 1% shell fragments Turritella; phosphate nodules.
- 94-105 Sand - light olive gray (5y 5/2); fine to medium; sub-rounded; well sorted; quartz; 10% fine glauconite/black phosphate fragments; 10% shell fragments Turritella; Foram - Robulus; Nodosaria; Ostracod.
- 105-115 Sand - olive gray (5y 4/1); as above, except: moderate clay; 20% glauconite 12% shell fragments; forams = Robulus; Siphogenerina.
- 115-126 Sand - as above, except: 10% shell fragments; ostracod.
- 126-136 Sand - as above, except: 3% shell fragments.
- 136-147 Sand - as above.

Depth
(feet)

- 147-158 Sand - as above, except: 40% shell fragments; some granules.
- 158-169 Clay, Sandy - light olive gray (5y 5/2); abundant fine clay in clasts, orange-tan, gray and light green color; abundant fine to medium sand, as above; 3% glauconite; 5% shell fragments.
- 169-179 Clay, Sandy - as above, except: foram - Dentalina, Robulus; 7% Glauconite.
- 179-190 Sand, Clayey - light olive gray (5y 6/1); abundant clay clasts; medium-grained, sub-rounded; well-sorted; quartz; 8% glauconite; sparse shell fragments.
- 190-200 Clay, Sandy - as above, except: (5y 4/2); sand, fine to very coarse; poorly sorted.
- 200-211 Clay, Sandy - As above.
- 211-221 Clay, Sandy - As above, except: some granules.
- 221-232 Clay - yellowish gray (5y 7/2); Iron stained clay; sparse fine sand as above; shell fragments.
- 232-242 Clay, Sandy - pale yellowish brown (10yr 6/2); clay of tan and buff coloration; moderate sand; fine to very coarse as above; 1% shell fragments.
- 242-253 Clay - as at 221'-232'.
- 253-263 Clay, Sandy - light yellow brown (10yr 6/4); varigated colors in abundant clay clasts; sand as above, except: medium grained; 1% muscovite and fuschite.
- 263-274 Clay, Sandy - as above.
- 274-284 Sand - yellowish gray (5y 8/1); sparse clay clasts; medium to granule, sub-angular; moderate sorting; quartz; garnet; feldspar; iron.
- 284-295 Sand - as above, except: moderate sand clasts.

Logged by: J. K. Polzin
June, 1980