

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

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McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

OWNER: Walden Brothers Marina Mailing Address: Deltaville, Virginia

TENANT: _____ Mailing Address: _____

DRILLER: Fetterolf Brothers Mailing Address: Syringa, Virginia 23165

WELL LOCATION: County Middlesex Approx. 300 ^{feet}/_{miles} northeast (direction) of
east end of and Route 636 ^{feet}/_{miles} (direction) of _____

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

DATE STARTED: July 6, 1976 DATE COMPLETED: July 7, 1976

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 210' feet

WATER LEVEL: Stands 3 feet below surface OR Completed at 126' feet

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Air lift

Drawdown 60 feet

Rate 30 gal. per min.

Duration 5 hrs., _____ min.

HOLE SIZE: 10 inches from 0 to 100 feet

6 3/4 inches from 100 to 126 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: 4 inches from 121 to 126 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 4 inches from 0 to 121 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

WATER ZONES: from _____ to _____ feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other Marina

GROUTING: Method Yes

Material _____ Depth 100 feet

PUMP: Type _____

Capacity _____ gal. per min

Depth of intake _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No X

DRILL CUTTINGS SAVED: Yes 21 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: _____

LOG

FURNISHED BY: Bennie L. Fetterolf

DATE: _____

Tapping, Virginia 23169

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	Sand and clay	
10	60	Blue clay	
60	80	Blue clay grading to fine sand	
80	100	Blue clay	
100	125	Sand and shells	
125	170	Fine sand and shells	
170	210	Clay and some shells	
		Completed at 156'	
		HOLE SIZE 10"	AIR LIFT
		SCREEN SIZE 4"	30'
		CAGE SIZE 4"	2'
		GROUTING water Yes	
		PUMP to decision has been made on pump up to now.	
			Well was not logged.

OWNER : Walden Brothers Marina #3
DRILLER: Fetterolf Brothers
COUNTY : Middlesex (Deltaville)

W# : 4569
C# : 119
TOTAL DEPTH: 210'
QUAD : Deltaville

GEOLOGIC LOG

Depth
(feet)

- 0-10 Sand- very pale yellowish orange; some stained grains; medium to coarse grained, few granules; subangular to subrounded; moderately well sorted; quartz; feldspar; some opaques.
- 10-20 Sand- light olive gray; slightly clayey; moderate silt; fine to medium grained; subangular to subrounded; well sorted; few grains of glauconite; muscovite.
- 20-30 Sand- light olive gray; abundant clay; medium to coarse grained, few granules; subangular to subrounded; moderately well sorted; quartz; 3% shell fragments; few opaques.
- 30-40 Clay- light olive gray; moderate sand; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; few shell fragments; few opaques; muscovite.
- 40-50 Clay- light olive gray; moderate silt; some quartz sand; some diatoms; few flakes of muscovite.
- 50-60 As above.
- 60-70 As above plus few shell fragments.
- 70-80 Sand- light olive gray; slightly clayey; slightly silt; medium to very coarse grained; subangular to subrounded; moderately sorted; quartz; some glauconite; few black phosphatic fragments; few shell fragments; muscovite.
- 80-90 As above except moderate clay; trace of vivianite.
- 90-100 Clay and sand- light olive gray; abundant clay; moderate sand; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; some glauconite; few flakes of muscovite; few shell fragments; few black phosphatic fragments; vivianite.
- 100-110 Sand- off white; coarse grained, some medium grains; subangular to subrounded; well sorted; quartz; feldspar; 5% glauconite; few grains of garnet.
- 110-120 As above except 3% glauconite; few flakes of muscovite; no garnet.

OWNER: Walden Brothers Marina #3

W#: 4569

Depth
(feet)

- 120-130 Sand- yellowish-gray; medium to coarse grained; subrounded; well sorted; quartz; 20% shell fragments; some glauconite; few black phosphatic fragments; few echinoid spines.
- 130-140 As above except 15% shell fragments; forams rare (inc. Textularia).
- 140-150 Sand- light olive gray; medium grained; subangular to subrounded; well sorted; quartz; 7% shell fragments; 3% glauconite; some echinoid spines; few flakes of muscovite.
- 150-160 As above except 2% shell fragments.
- 160-170 Sand- light olive gray; medium grained, some very coarse grains, some granules; subangular to subrounded; moderately sorted; quartz; 25% shell fragments; some glauconite; few black phosphatic fragments, including fish tooth; muscovite; few echinoid spines.
- 170-180 Sand and shell fragments- light olive gray; moderate clay; moderate silt; medium grained to granular; subangular to subrounded; poorly sorted; quartz; 40% shell fragments; some glauconite; few black phosphatic fragments.
- 180-190 As above plus few echinoid spines.
- 190-200 Clay- light olive gray; slightly silty; 15% shell fragments; some quartz, granules; few black phosphatic fragments.
- 200-210 As above.

Note: All samples are unwashed.

Logged by: Michael Currie
July 30, 1979