

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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: The Father McDonald Columbian Center Inc. Mailing Address: 911 W. Broad St., Richmond, VA.

TENANT: Columbian Community Center, Inc. Mailing Address: Same as above

DRILLER: Matthews Well Drilling Mailing Address: Rt. 1, Box 66, Rockville, Va.

WELL LOCATION: County Henrico Approx. 6/10 ~~miles~~ South of Church Rd. and Pump (direction) of Rd. intersection on W. side of Pump and 1 1/2 ~~miles~~ south (direction) of Short Pump

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

DATE STARTED: Oct. 22, 1970 DATE COMPLETED: Oct. 27, 1970

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 225 feet

WATER LEVEL: Stands 12 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method sub. pump  
Drawdown 177 feet  
Rate 7 gal. per min.  
Duration 12 hrs., 0 min.

HOLE SIZE: 12 inches from 0 to 51 feet  
6 inches from 51 to 225 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from 68 to \_\_\_\_\_ feet  
from 108 to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color clear Taste none  
Odor none Temp. 58 °F

CASE SIZE: 6 inches from 0 to 51 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WELL TO SUPPLY: (check one) Home \_\_\_\_\_  
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_  
Industry \_\_\_\_\_ Other community center

GROUTING: Method Pumped  
Material Portland cement Depth 51 feet

WATER ANALYSIS AVAILABLE: Yes  No \_\_\_\_\_

PUMP: Type Submersible  
Capacity 7 gal per min  
Depth of intake 189 feet

DRILL CUTTINGS SAVED: 11 Yes  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: Matthews Well Drilling

DATE: Feb. 5, 1971

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	24	Clay and sand	
24	50	Soft red and gray rock	
50	52	Hard red rock	
52	68	Soft red rock	3 gpm
68	81	Soft red rock	
81	108	Soft red rock	4 gpm
108	120	Hard red rock	
120	138	Hard red rock	
138	150	Hard red rock	
150	175	Hard red rock	
175	200	Hard red rock	
200	225	Hard red rock	

(Use additional forms if necessary)



OWNER: Father McDonald  
Columbian Center  
DRILLER: Matthews Well  
COUNTY: Henrico (Short Pump)

W#: 3121  
C#: 204  
TOTAL DEPTH: 225'  
QUAD.: Bon Air

GEOLOGIC LOG

Depth  
(feet)

0-24 No sample.

24-50 Granite — moderate orange pink, medium gray; quartz; feldspar; 5% biotite; few grains of pyrite.

50-52 Granite — moderate orange pink, medium gray, white; quartz; feldspar; 7% biotite; few flakes of muscovite.

52-68 Granite — medium gray, moderate orange pink, white; quartz; feldspar; 5% biotite.

68-81 Granite — moderate orange pink, medium gray; feldspar; quartz; 3% biotite; few grains of pyrite; muscovite.

81-108 As above.

108-120 Granite — white, medium gray, moderate orange pink; quartz; feldspar; 3% biotite.

120-138 As above plus few flakes of muscovite.

138-150 Granite — white, moderate orange pink, medium gray; quartz; feldspar; 5% biotite; muscovite.

150-175 As above.

175-200 As above.

200-225 As above except 3% biotite.

Logged by: Michael T. Currie

OWNER: Father McDonald  
Columbian Center

-2-

W#: 3121

GEOLOGIC SUMMARY

<u>DEPTH</u> <u>(feet)</u>	<u>THICKNESS</u> <u>(feet)</u>	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0 - 24	24	No sample	
24 - 225	201	Petersburg Granite	Paleozoic (?)

VIRGINIA DIVISION OF MINERAL RESOURCES  
David A. Hubbard, Jr., Geologist  
November 29, 1978