

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 2572  
C#: 186

MAILING ADDRESS:  
B. 3667  
C. Charlottesville, VA 22903

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

OFFICE ADDRESS:  
McCormick Road  
Charlottesville, Virginia

Sauer Bldg., Richmond, VA. 23220

Contractor: Will & Cosby, Inc.  
OWNER: Christian School Assoc. of Richmond Mailing Address: Newby's Bridge Rd, Chesterfield, VA 23831

TENANT: School Mailing Address: as above

DRILLER: Mitchell's Well & Pump Co. Mailing Address: Rt. 1, Box 110, Col. Hgts, VA 23831

WELL LOCATION: County Chesterfield Approx. 7/10 ~~x1000~~ miles off Warmsley Blvd., East (direction) of on Newby's Bridge Rd. and 4 ~~x1000~~ miles west (direction) of U. S. Hwy. 1

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

DATE STARTED: March 1969 DATE COMPLETED: March 1969

TYPE OF DRILL RIG USED: cable tool TOTAL DEPTH 95 1/2 feet

WATER LEVEL: Stands 43 feet below surface OR has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method pumped  
Drawdown 27 feet  
Rate 35 gal. per min.  
Duration 4 hrs., \_\_\_\_\_ min.

HOLE SIZE: 10 inches from 0 to 25 feet  
6 inches from 25 to 95 1/2 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from 73 1/2 to 95 1/2 feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

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

WATER: Color clear Taste good  
Odor none Temp. \_\_\_\_\_ °F

CASE SIZE: 6 inches from 0 to 73 1/2 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

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

GROUTING: Method pumped  
Cement &  
Material water Depth 23 feet  
grouting stopped below ground level at request  
PUMP: Type of customer \_\_\_\_\_

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

Capacity \_\_\_\_\_ gal. per min

DRILL CUTTINGS SAVED: 10 Yes  No \_\_\_\_\_

Depth of intake \_\_\_\_\_ feet

(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: Pipe driven 5 1/2' into rock.

# LOG

FURNISHED BY: Mitchell's Well & Pump Company

DATE: April 17, 1969

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	Red mud	Sample #1
10	20	Sand and mud	2
20	30	Ditto	3
30	40	Ditto	4
40	50	Sand and gravel	5
50	60	Ditto	6
60	70	Sand, gravel and rock	7
70	80	Rock	8
80	90	Rock	9
90	95½	Rock	10

(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#: 2572  
C#: 186

Date rec'd: 6-24-69 Date Processed:

Sample Interval: from:0 to: 95½

PROPERTY: Christian School Assoc.

Number of samples: 10

COMPANY: Mitchell's Well & Pump Co.

Total Depth: 95½

COUNTY: Chesterfield (Richmond)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
0 - 10	-	-	-
10 - 20	-	-	-
20 - 30	-	-	-
30 - 40	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 95½	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed & unwashed samples.

OWNER: Christian School Assoc.  
DRILLER: Mitchell's W & P Co.  
COUNTY: Chesterfield (Richmond)

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TOTAL DEPTH: 95.5'  
QUAD.: Chesterfield

GEOLOGIC LOG

Depth  
(feet)

- 0-10 Clay — moderate orange brown; moderate sand; fine to coarse grained; subangular to subrounded; moderately sorted; quartz; feldspar; 3% muscovite; few grains of glauconite.
- 10-20 Granite (heavily weathered) — grayish orange; moderate clay; 40% weathered biotite; quartz; pink microcline; white plagioclase; few flakes of muscovite.
- 20-30 As above except 30% weathered biotite.
- 30-40 Granite (weathered) — grayish orange; moderate clay; pink microcline; quartz; 10% weathered biotite; some magnetite (octahedral crystals, some with striated faces).
- 40-50 As above.
- 50-60 As above except 15% weathered biotite.
- 60-70 Granite (weathered) — grayish orange; slightly clayey; 65% pink microcline; quartz; some weathered biotite; some muscovite; few magnetite crystals.
- 70-80 Granite (slightly weathered) — pinkish gray; slightly clayey; pink microcline; quartz; 2% biotite; muscovite; few magnetite crystals.
- 80-90 Granite — pinkish gray; quartz; microcline; 5% biotite; some white plagioclase; few magnetite crystals; few flakes of muscovite.
- 90-95.5 As above except 3% biotite.

Logged by Michael T. Currie

GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0-10	10	Columbia Group	Pleistocene
10-95.5	85.5	Petersburg Granite	Paleozoic (?)

VIRGINIA DIVISION OF MINERAL RESOURCES  
David A. Hubbard, Jr., Geologist  
December 14, 1978