

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 5191  
C#: 225

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: Second Church of Christ Mailing Address: River Road, Richmond, VA

TENANT: \_\_\_\_\_ Mailing Address: \_\_\_\_\_

DRILLER: Atlantic Pump & Equip. Co., Inc. Mailing Address: 301 Jefferson Davis Hwy. Richmond, VA 23224

WELL LOCATION: County Henrico Approx. 1000 <sup>feet</sup> ~~xxxx~~ west (direction) of  
Parham Road and \_\_\_\_\_ <sup>feet</sup> miles \_\_\_\_\_ (direction) of on River Road

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

DATE STARTED: 3/3/78 DATE COMPLETED: 3/17/78

TYPE OF DRILL RIG USED: Air Rotary TOTAL DEPTH 400 feet

WATER LEVEL: Stands 80 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Pump  
Drawdown 378 feet  
Rate 3 3/4 gal. per min.  
Duration 48 hrs., \_\_\_\_\_ min.

HOLE SIZE: 11 inches from 0 to 107 feet  
6 inches from 107 to 400 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from 125 to \_\_\_\_\_ feet  
from 247 to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

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

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

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

CASE SIZE: 6 inches from 0 to 107 feet

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

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

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_  
Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

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

GROUTING: Method \_\_\_\_\_  
Material \_\_\_\_\_ Depth 53 feet

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

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

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

Depth of intake 378 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: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



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

INTERVAL SHEET

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Well Repository No: W#: 5191  
 C#: 225

Date rec'd: 7/6/78 Date Processed: 7/11/78

Sample Interval: from: 0 to: 400

PROPERTY: Second Church of Christ

Number of samples: 36

COMPANY: Atlantic P & E Co.

Total Depth: 400'

COUNTY: Henrico (Richmond)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
0 - 10	250 - 260	-	-
10 - 20	260 - 270	-	-
20 - 30	270 - 280	-	-
30 - 40	280 - 290	-	-
40 - 50	290 - 300	-	-
50 - 100	300 - 310	-	-
-	310 - 320	-	-
-	320 - 330	-	-
-	330 - 340	-	-
-	340 - 350	-	-
100 - 110	350 - 360	-	-
110 - 120	360 - 370	-	-
120 - 130	370 - 380	-	-
130 - 140	380 - 390	-	-
140 - 150	390 - 400	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-

Unwashed samples only.

OWNER: 2nd Church of Christ  
DRILLER: Atlantic P & E Co.  
COUNTY: Henrico

W#: 5191  
C#: 225  
TOTAL DEPTH: 400'  
QUAD.: Bon Air

GEOLOGIC LOG

Depth  
(feet)

0-10 Clay — light brown, light yellowish gray; abundant sand; fine to coarse grained, some granules, few pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; few opaques.

10-20 Sand — dark yellowish orange; moderate clay; coarse to very coarse grained, some medium grains, 7% granules, some pebbles; subrounded; moderately sorted; quartz; feldspar; some opaques; few grains of glauconite.

20-30 Clay — white, light brown; abundant sand; medium to coarse grained, some granules; subangular to subrounded; moderately well sorted; quartz; feldspar; some muscovite.

30-40 Clay — white; some quartz sand; few flakes of muscovite.

40-50 Clay — white; moderate sand; medium to coarse grained, some fine grains, few granules; subangular to subrounded; moderately well sorted; quartz; feldspar; some muscovite; few opaques.

50-100 Granite (rotten) — moderate orange pink; slightly clayey; quartz; feldspar; 3% biotite; some muscovite.

100-110 No sample.

110-120 As 50-100 except some biotite.

120-130 As above.

130-140 Granite — pinkish gray; quartz; feldspar; 5% biotite; some muscovite.

140-150 As above.

150-160 No sample.

160-170 Granite — pinkish gray; quartz; feldspar; 7% biotite; few flakes of muscovite.

170-180 As above except 12% biotite; few grains of pyrite.

180-190 Granite — pinkish gray; equigranular; quartz; feldspar; 10% biotite; some muscovite.

Depth  
(feet)

- 190-200 As 180-190 except 7% biotite.
- 200-210 Granite — light gray, moderate orange pink; equigranular; quartz; feldspar; 5% biotite; few flakes of muscovite.
- 210-220 Granite — pinkish gray; equigranular; quartz; feldspar; 5% biotite; some muscovite.
- 220-230 As above except 3% biotite.
- 230-240 As above.
- 240-250 Granite — light gray, moderate orange pink, white; equigranular; quartz; feldspar; 5% biotite; some muscovite.
- 250-260 Granite — white; quartz; feldspar; 5% biotite; some muscovite.
- 260-270 Granite — white; quartz; feldspar; 10% biotite; few flakes of muscovite.
- 270-280 Granite — off white, black; quartz; feldspar; 15% biotite.
- 280-290 Granite — grayish pink; quartz; feldspar; 10% biotite; few flakes of muscovite.
- 290-300 As above.
- 300-310 As above except moderate orange pink.
- 310-320 Granite — grayish pink; equigranular; quartz; feldspar; 7% biotite; few flakes of muscovite.
- 320-330 As above.
- 330-340 As above except 10% biotite.
- 340-350 As above.
- 350-360 Granite — moderate orange pink, light gray; equigranular; quartz; feldspar; 5% biotite; few flakes of muscovite.
- 360-370 Granite — grayish orange pink; quartz; feldspar; 10% biotite; some muscovite.
- 370-380 Granite — grayish pink; quartz; feldspar; 7% biotite; few flakes of muscovite.
- 380-390 As above except 12% biotite.
- 390-400 As above except 7% biotite.

Note: All samples are unwashed.

OWNER: 2nd Church of Christ

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GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time</u> <u>Rock Unit</u>
0-50	50	Columbia Group	Pleistocene
50-400	350	Petersburg Granite	Paleozoic (?)

VIRGINIA DIVISION OF MINERAL RESOURCES  
David A. Hubbard, Jr., Geologist  
December 4, 1978