

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 2932
C#: 200

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B-3667
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Blue Cross and Blue Shield Mailing Address: Staples Mill Rd., Richmond, Va.

TENANT: _____ Mailing Address: _____

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: 1305 Brook Road, Richmond, Va.

WELL LOCATION: County Henrico Approx. 55 ^{feet} ~~xxxx~~ West (direction) of
Maywill Street and 558 ^{feet} ~~xxxx~~ South (direction) of Thalbro Street

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

DATE STARTED: 8/19/69 DATE COMPLETED: 9/5/69

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 400 feet

WATER LEVEL: Stands 10 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Submersible
Drawdown 290 feet
Rate 14 gal. per min.
Duration 9½ hrs., _____ min.

HOLE SIZE: 9 7/8 inches from 0 to 25 feet
8 3/4 inches from 25 to 35'6" feet
6 1/2 inches from 35'6" to 400 feet

SCREEN SIZE: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER ZONES: from 45 to _____ feet
75
from 102 to _____ feet
165
from 302 to _____ feet
312

CASE SIZE: 6 1/2 inches from +1'6" to 35'6" feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER: Color Clear Taste _____
Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____
Farm _____ Town _____ School _____
Industry X Other _____

GROUTING: Method None
Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____

PUMP: Type _____
Capacity _____ gal per min
Depth of intake _____ feet

DRILL CUTTINGS SAVED: 40 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: Make up for cooling water.

LOG

FURNISHED BY: _____

DATE: _____

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	5	Top soil	
5	10	Yellow clay - gravel	
10	22	Brown sand	
22	30	Gravel and sand	
30	40	Gray granite	
40	75	Red granite - soft streaks	
75	82	Gray granite	
82	105	Red granite	
105	205	Red granite - soft streaks	
205	210	Gray granite	
210	230	Hard red & gray granite	
230	322	Gray granite	
322	332	Gray granite	
332	337	Gray granite	
337	355	Red Granite	
355	360	Gray granite	
360	385	Red & gray granite	
385	400	Gray granite	

(Use additional forms if necessary)

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WATER ZONES: from 45 to _____ feet

75

from 102 to _____ feet

165

from 302 to _____ feet

312

WATER: Color Clear Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry X Other _____

WATER ANALYSIS AVAILABLE: Yes _____ No _____

DRILL CUTTINGS SAVED: 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: Make up for cooling water.

RICHMOND QUADRANGLE

ELEV.: 202' (Richmond quad)

elev. ~ 202' topo

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

INTERVAL SHEET

Page 1 of 1

Well Repository No: W#: 2932

Date rec'd: 10-6-69 Date Processed: 9-9-70

Sample Interval: from: 0 to: 400
C#: 200

PROPERTY: Blue Cross & Blue Shield

Number of samples: 39

COMPANY: Sydnor Hydrodynamics, Inc.

Total Depth: 400'

COUNTY: Henrico (Richmond)

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To
0 - 5	240 - 250	-	-
5 - 10	250 - 260	-	-
10 - 20	260 - 270	-	-
-	270 - 280	-	-
30 - 40	280 - 290	-	-
40 - 50	290 - 300	-	-
50 - 60	300 - 310	-	-
60 - 70	310 - 320	-	-
70 - 80	320 - 330	-	-
80 - 90	-	-	-
90 - 100	340 - 350	-	-
100 - 110	350 - 360	-	-
110 - 120	360 - 370	-	-
120 - 130	370 - 380	-	-
130 - 140	380 - 390	-	-
	390 - 400	-	-
140 - 150	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-

OWNER: Blue Cross & Blue Shield
DRILLER: Sydnor
COUNTY: Henrico

W#: 2932
C#: 200
TOTAL DEPTH: 400'

GEOLOGIC LOG

Depth
(feet)

- 0-5 Sand — dark yellowish orange; slight staining; abundant clay; very fine to medium grained, some granules; subangular to subrounded; moderately sorted; quartz; feldspar; some opaques.
- 5-10 Sand — pale yellowish orange; slightly clayey; very fine to fine grained, some medium grains; subangular to subrounded; moderately well sorted; quartz; feldspar; 3% opaques.
- 10-20 As above except 2% opaques; some muscovite.
- 20-30 No sample.
- 30-40 Granite — light gray; quartz; feldspar; some biotite; some muscovite; pyrite.
- 40-50 Granite — pinkish orange, light gray; feldspar; quartz; some biotite; muscovite.
- 50-60 Granite — pinkish orange, light gray, white; feldspar; quartz; 3% biotite; some muscovite.
- 60-70 Granite — pinkish orange, light gray; quartz; feldspar; 2% biotite; some muscovite.
- 70-80 Granite — light gray, black, pinkish orange; quartz; feldspar; 15% biotite; some muscovite.
- 80-90 As above.
- 90-100 Granite — pinkish orange, light gray; feldspar; quartz; 5% biotite; some muscovite.
- 100-110 Granite — pinkish orange, light gray; feldspar; quartz; 7% biotite; few flakes of muscovite.
- 110-120 As above.
- 120-130 Granite — light gray, pinkish orange; quartz; feldspar; 10% biotite; some muscovite.
- 130-140 Granite — pinkish orange, light gray; feldspar; quartz; 7% biotite; muscovite.
- 140-150 Granite — pinkish orange, light gray; quartz; feldspar; 12% biotite; some muscovite.

Depth
(feet)

150-160 Granite — pinkish orange; feldspar; quartz; 10% biotite; some muscovite; few grains of pyrite.

160-170 Granite — pinkish orange, light gray; quartz; feldspar; 7% biotite; 2% muscovite.

170-180 As above except some muscovite.

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

190-200 Granite — pinkish orange, light gray; feldspar; quartz; 5% biotite; some muscovite.

200-210 Granite — light gray, pinkish orange, black; quartz; feldspar; 20% biotite; some muscovite; few grains of pyrite.

210-220 Granite — pinkish orange; quartz; feldspar; 7% biotite; some muscovite.

220-230 As above.

230-240 Granite — light gray, black; quartz; feldspar; 15% biotite; some muscovite.

240-250 As above except 10% biotite.

250-260 As above except 15% biotite.

260-270 As above except 12% biotite.

270-280 As above except 2% muscovite.

280-290 As above except 7% biotite.

290-300 Granite — light gray, black; quartz; feldspar; 12% biotite; 2% muscovite.

300-310 As above except 15% biotite; some muscovite.

310-320 As above except 12% biotite; few grains of pyrite.

320-330 Granite — light gray, pinkish orange; quartz; feldspar; 5% biotite; some muscovite.

330-340 No sample.

340-350 Granite — pinkish orange, light gray, black; quartz; feldspar; 7% biotite; some muscovite.

Depth
(feet)

350-360 Granite — light gray, pinkish orange; quartz; feldspar; 3% biotite; some muscovite.

360-370 Granite — pinkish orange; light gray; quartz; feldspar; 5% biotite; some muscovite.

370-380 As 360-370'.

380-390 Granite — light gray, black; quartz; feldspar; 10% biotite; 2% muscovite.

390-400 As above except 15% 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>
0-20	20	Columbia Group	Pleistocene
20-30	10	No Sample	
30-400	370	Petersburg Granite	Paleozoic (?)

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
September 8, 1978