

OWNER: C & P Telephone Company
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Spotsylvania (Snell)

VDMR: 2196
WWCR: 485468
TOTAL DEPTH: 150'

GEOLOGIC LOG

Depth in
feet

0-10	Saprolite — tan, clay and weathered and iron-oxide-stained granite
10-20	"
20-30	" light-tan, slightly-weathered and iron-oxide stained
30-40	" "
40-50	Granite — very light gray, medium to fine-grained, slightly micaceous; feldspar and quartz, with minor amounts of muscovite and biotite
50-60	"
60-70	Biotite-granite — gray, medium to fine-grained; feldspar, quartz, biotite, and muscovite
70-80	"
80-90	"
90-100	"
100-110	" slight decrease in amount of biotite
110-120	" with amphiboles
120-130	" slight decrease in amount of biotite
130-140	"
140-150	" darker; increase in amount of biotite

NOTE: Because the samples were pulverized during drilling, foliation, lineation, and maximum individual grain size could not be determined.

OWNER: C & P Telephone Company

#2196

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-40'	Saprolite	—
40-150'	Granite Gneiss	Precambrian- Paleozoic

Virginia Division of Mineral Resources
Robert G. Willson, Geologist
July 17, 1968

R
P

VDMR- 2196
WWCR- 485
468

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:
Box 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: C. & P. Telephone Company Mailing Address: Snell, Virginia
126 Agency Avenue

CONTRACTOR: Frank B. McAllister Mailing Address: Richmond, Virginia

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

WELL LOCATION: County Spotsylvania Approx. 1/10 ^{feet}/_{miles} southeast (direction) of
Snell, Virginia and 120 ^{feet}/_{miles} southwest (direction) of ^{State Road} Rt. 606

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

DATE STARTED: 4-27-68 DATE COMPLETED: 5-2-68

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 150 feet

WATER LEVEL: Stands 30 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Airlift
Drawdown _____ feet
Rate 30 gal. per min.
Duration 2 hrs., 0 min.

HOLE SIZE: 10 inches from 0 to 50 feet
5 inches from 50 to 150 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 132 to _____ feet
from 137 (principal) to _____ feet
from _____ to _____ feet

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

WATER: Color Clear Taste OK
Odor None Temp. _____ °F

CASE SIZE: 5 inches from +2 to 50 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method Pressure
Material Cement & water Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes _____ No X

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

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: 15 samples

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc. DATE: 5-8-68

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	1	Top soil	
1	4	Red clay	
4	48	Rotten granite and boulders	
48	132	Gray granite	
132	132 ¹ / ₂	Water zone (3 GPM)	
132 ¹ / ₂	137 ¹ / ₂	Gray granite	
137	138	Water Zone (27 GPM)	
138	150	Gray granite	

(Use additional forms if necessary)