

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2420
C- 97

MAILING ADDRESS:

B 3667
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DIVISION OF MINERAL RESOURCES
JAMES L. CALVER, COMMISSIONER
WATER WELL COMPLETION REPORT

OFFICE ADDRESS:

McCormick Road
Charlottesville, Virginia

OWNER: Virginia Wildlife Clubs, Inc. Mailing Address: P. O. Box 631 - Springfield, Va.

TENANT: Lake of the Woods (Greensprings #2) Mailing Address: Chancellor, Virginia

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

WELL LOCATION: County Orange Approx. 300 ^{feet}~~miles~~ east (direction) of
Cloverhill Court and 300 ^{feet}~~miles~~ north (direction) of Strafford Circle

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

DATE STARTED: 12/3/68 DATE COMPLETED: 12/27/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 280 feet

WATER LEVEL: Stands 38 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method pumped

Drawdown 119 feet

Rate 60 gal. per min.

Duration 8 hrs., 0 min.

WATER ZONES: from 134 to 135 feet

from 182 to 183 feet

from _____ to _____ feet

WATER: Color clear Taste _____

Odor none Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other subdivision

WATER ANALYSIS AVAILABLE: Yes No _____

DRILL CUTTINGS SAVED: Yes 19 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: _____

HOLE SIZE: 11 inches from 0 to 120 feet

6 1/2 inches from 120 to 280 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 7 OD inches from +2 to 120 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

GROUTING: Method pressure
cement and

Material water Depth 120 feet

PUMP: Type submersible

Capacity _____ gal. per min

Depth of intake _____ feet

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc.

DATE: 12/30/68

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	Topsoil	
1	25	Yellow clay	
25	118	Rotten granite	
118	134	Greenstone	
134	135	Water zone (3 gpm)	
135	155	Greenstone	
155	159	Weathered rock	
159	169	Greenstone	
169	178	Weathered rock	
178	182	Greenstone	
182	183	Water zone (30 gpm)	
183	280	Greenstone	

(Use additional forms if necessary)

VIRGINIA DIVISION OF MINERAL RESOURCES
INTERVAL SHEET

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Well Repository No: W-2420

Date rec'd: 1/27/69

Sample Interval: from 0 to: 280'

PROP: Virginia Wildlife Clubs, Inc.
(Lake of the Woods, Greensprings #2)

Number of samples: 19

COMP: Sydnor Hydrodynamics, Inc.

Total Depth: 280'

COUNTY: Orange (Locust Grove)

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To
0 - 15	-	-	-
15 - 30	-	-	-
30 - 45	-	-	-
45 - 60	-	-	-
60 - 75	-	-	-
75 - 90	-	-	-
90 - 105	-	-	-
105 - 120	-	-	-
120 - 135	-	-	-
135 - 150	-	-	-
150 - 165	-	-	-
165 - 180	-	-	-
180 - 195	-	-	-
195 - 210	-	-	-
210 - 225	-	-	-
225 - 240	-	-	-
240 - 255	-	-	-
255 - 270	-	-	-
270 - 280	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Virginia Wildlife Clubs, Inc.
(Lake of the Woods, Greensprings #2)
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Orange (Locust Grove)

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TOTAL DEPTH- 280'

GEOLOGIC LOG

Depth
in feet

0-15	Saprolite — very light tan, sandy, micaceous clay; weathered and iron-oxide-stained vein quartz; hematite nodules
15-30	" pinkish-tan
30-45	"
45-60	" pinkish-tan
60-75	"
75-90	"
90-105	"
105-120	Biotite granite — gray mottled with light tan, fine grained, well foliated; saussuritized feldspar, quartz, and biotite
120-135	"
135-150	"
150-165	"
165-180	Biotite granite — dark greenish-gray and light yellowish-gray; biotite, muscovite, feldspar, small amount of quartz, and trace of pyrite; some weathered material
180-195	"
195-210	"
210-225	"

OWNER: Virginia Wildlife Clubs, Inc.
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225-240	Biotite granite — dark greenish-gray and light yellowish-gray; biotite, muscovite, feldspar, small amount of quartz, and trace of pyrite; some weathered material
240-255	"
255-270	"
270-280	"

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-105'	Saprolite	—
105-280'	Granite	Precambrian (?)

Virginia Division of Mineral Resources
T. M. Gathright, Geologist
January 27, 1969