

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2412  
C- 92

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 #1) Mailing Address: Chancellor, Virginia

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

WELL LOCATION: County Orange Approx. 300 ~~feet~~ <sup>feet</sup> ~~miles~~ <sup>feet</sup> south (direction) of  
Stratford Circle and 300 ~~feet~~ <sup>feet</sup> ~~miles~~ <sup>feet</sup> west (direction) of Harrison 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: 11/27/68 DATE COMPLETED: 12/3/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 222 feet

WATER LEVEL: Stands 27 1/4 feet below surface OR

has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method pumped

Drawdown 89 1/4 feet

Rate 94 gal. per min.

Duration 8 hrs., 0 min.

WATER ZONES: from 98 to 117 feet

from 140 to 141 feet

from 155 to 162 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 10 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: 10 3/4 inches from 0 to 74 feet

6 1/2 inches from 74 to 222 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 74 feet

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

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

GROUTING: Method pressure

cement and

Material water Depth 74 feet

PUMP: Type submersible

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

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

# LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc. DATE: 12/10/68

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	73	Red clay	
73	98	Greenstone	
98	117	Weathered greenstone	water (30 gpm)
117	140	Greenstone	
140	141	Soft greenstone	water (10 gpm)
141	155	Greenstone	
155	162	Soft greenstone	water (60 gpm)
162	222	Greenstone	



OWNER: Virginia Wildlife Clubs, Inc. W-2412  
(Lake of the Woods, Greensprings Well #1) C- 92  
DRILLER: Sydnor Hydrodynamics, Inc. TOTAL DEPTH -222'  
COUNTY: Orange (Locust Grove)

GEOLOGIC LOG

Depth  
in feet

0-73	No samples
73-88	Gneiss or granite -- light greenish-gray, weathered to light brown, equa-granular, slightly calcareous; quartz, feldspar, muscovite, and chlorite; some vein quartz and saussuritized feldspar
88-103	" some very coarse grained gneiss
103-118	" "
118-133	" "
133-148	" "
148-163	Chlorite-sericite schist -- greenish-gray, phyllitic; trace of weathered granite
163-178	"
178-193	Gneiss or granite -- light greenish-gray equa-granular, slightly calcareous; quartz, feldspar, muscovite, chlorite, and sericite; some vein quartz and pyrite
193-207	"
207-222	No sample

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-73'	No samples	—
73-207'	Lynchburg Formation (?)	Precambrian
207-222'	No sample	—

Virginia Division of Mineral Resources  
T. M. Gathright, Geologist  
January 23, 1969