

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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

TENANT: Lake of the Woods (Wyndy Brow #1) Mailing Address: Chancellor, Va.

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

WELL LOCATION: County Orange Approx. 400 ^{feet}~~miles~~ north (direction) of
Constitution Boulevard and 400 ^{feet}~~miles~~ east (direction) of Monument 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: 11/20/68 DATE COMPLETED: 12/6/69

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 252 feet

WATER LEVEL: Stands 25 1/4 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method pumped

Drawdown 120 3/4 feet

Rate 78 1/2 gal. per min.

Duration 8 hrs., 0 min.

HOLE SIZE: 10 3/4 inches from 0 to 82 feet

6 1/2 inches from 82 to 252 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

WATER ZONES: from 127 to 132 feet

from _____ to _____ feet

from _____ to _____ feet

CASE SIZE: 7 OD inches from +2 to 82 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 _____ Other subdivision

GROUTING: Method pressure

cement &

Material water Depth 82 feet

PUMP: Type submersible

Capacity _____ gal. per min

Depth of intake _____ feet

WATER ANALYSIS AVAILABLE: Yes X No _____

DRILL CUTTINGS SAVED: Yes 13 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: _____

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc. DATE: 12/6/68

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	78	Yellow clay	
78	87	Greenstone	water (2 gpm)
87	127	Greenstone	
127	132	Weathered greenstone	water (50 gpm)
132	252	Greenstone	

(Use additional forms if necessary)

OWNER: Virginia Wildlife Clubs, Inc.
 (Lake of the Woods, Wyndy Brow #1)
 DRILLER: Sydnor Hydrodynamics, Inc.
 COUNTY: Orange (Locust Grove)

W-2413
 C- 95
 TOTAL DEPTH - 252'

GEOLOGIC LOG

Depth
 in feet

0-78	No samples
78-85	Sericite phyllite — light gray, weathered to light brown, some iron-oxide stains
85-95	" only slightly weathered
95-102	" unweathered
102-117	Sericite phyllite — light silvery-gray, trace of iron- oxide stains
117-132	" with some vein quartz
132-147	"
147-162	"
162-177	" with trace of pyrite
177-192	"
192-207	"
207-222	"
222-237	" with white vein quartz
237-252	" with trace of jasper

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-78'	No samples	—
78-252'	Lynchburg Formation (?)	Precambrian

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