

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

B- 3667
Charlottesville, VA 22903

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 (Wyndy Brow #2) Mailing Address: Chancellor, Virginia

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

WELL LOCATION: County Orange Approx. 300 ^{feet}~~miles~~ south (direction) of
Washington Street and 300 ^{feet}~~miles~~ east (direction) of Constitution Ave.

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

DATE STARTED: 12/16/68 DATE COMPLETED: 12/19/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 312 feet

WATER LEVEL: Stands _____ feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method air lift

Drawdown _____ feet

Rate 2 gal. per min.

Duration _____ hrs., _____ min.

HOLE SIZE: 10 3/4 inches from 0 to 83 feet

6 1/2 inches from 83 to 312 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 83 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

WATER ZONES: from 83 to 87 feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color milky Taste _____

Odor none Temp. _____ °F

GROUTING: Method pressure
cement and

Material water Depth 83 feet

PUMP: Type _____

Capacity _____ gal. per min

Depth of intake _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No x

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: _____

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	22	Red clay	
22	57	Yellow clay	
57	78	Soft greenstone	
78	83	Greenstone	
83	87	Soft greenstone	water (2 gpm)
87	140	Greenstone	
140	255	Marl and greenstone	
255	312	Soft greenstone	

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(Lake of the Woods, Wyndy Brow #2)
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Orange (Locust Grove)

W-2414
C- 96
TOTAL DEPTH - 312'

GEOLOGIC LOG

Depth
in feet

0-78	Saprolite — light tan with clay; mica, vein quartz, sericite phyllite, and mica schist fragments
78-102	Mica schist — gray-brown, slightly weathered; clear quartz, saussuritized feldspar, biotite (?), chlorite and muscovite; a few fragments of sheared vein quartz
102-117	"
117-132	"
132-147	" coarse grained and calcareous
147-162	" "
162-177	" "
177-192	" "
192-207	" "
207-222	" "
222-237	" "
237-252	" "
252-267	" "
267-282	" "
282-297	" "
297-312	No sample

OWNER: Virginia Wildlife Clubs, Inc.
(Lake of the Woods, Wyndy Brow #2)

W-2414

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-78'	Saprolite	—
78-297'	Lynchburg Formation (?)	Precambrian
297-312'	No sample	

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