

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2421
C- 98

MAILING ADDRESS:
B- 3667
C- 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, Hollyfield #3 Mailing Address: Chancellor, Virginia

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

WELL LOCATION: County Orange Approx. 50 ^{feet}~~miles~~ southeast (direction) of
Rt. #601 and 500 ^{feet}~~miles~~ west (direction) of Fairfax Lane

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

DATE STARTED: 12/26/68 DATE COMPLETED: 1/3/69

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 250 feet

WATER LEVEL: Stands 11 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method pumped
Drawdown 138 feet
Rate 37 gal. per min.
Duration 8 hrs., 0 min.

WATER ZONES: from 80 to 110 feet
110 to 129
from 129 to 130 feet
from 240 to 241 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 x No _____

DRILL CUTTINGS SAVED: Yes 16 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 80 feet
6 1/2 inches from 80 to 250 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 80 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

GROUTING: Method pressure
cement and
Material water Depth 80 feet

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

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc. DATE: 1/15/69

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	4	Red clay	
4	80	Soft gray slate	
80	215	Solid gray slate	water (80-130)
215	220	Red slate	
220	240	Gray slate	
240	241	Water zone	
241	250	Greenstone	water 240-241

OWNER: Virginia Wildlife Clubs, Inc.
(Lake of the Woods, Hollyfield #3)
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Orange (Locust Grove)

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TOTAL DEPTH - 250'

GEOLOGIC LOG

Depth
in feet

0-20	Sheared quartzite — light gray, weathered, phyllitic; quartz, sericite, feldspar, and biotite; some manganese stains and coatings
20-45	" unweathered
45-60	" "
60-75	" "
75-90	" "
90-105	" "
105-120	" "
120-135	" "
135-150	" "
150-165	" "
165-180	" "
180-195	" "
195-210	Sheared quartzite — light greenish-gray, phyllitic; quartz, sericite, muscovite, sillimanite (?), and trace of biotite
210-225	" with some pink and green coloration
225-240	"
240-250	" small amount of biotite-muscovite schist

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(Lake of the Woods, Hollyfield #3)

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GEOLOGIC SUMMARY

Rock Unit

Age

Peters Creek Quartzite (?)

Cambrian (?)

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