

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B 3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

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

TENANT: Lake of the Woods (Wilderness Park #1) Mailing Address: Chancellor, Virginia

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

WELL LOCATION: County Orange Approx. 300 ^{feet}~~miles~~ west (direction) of

Wilderness Lane and 300 ^{feet}~~miles~~ southeast (direction) of Larkspur 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: 1/3/69 DATE COMPLETED: 1/9/69

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 200 feet

WATER LEVEL: Stands 46 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method pumped

Drawdown 97 feet

Rate 125 gal. per min.

Duration 8 hrs., 0 min.

WATER ZONES: from 117 to 120 feet

from 135 to 147 feet

from _____ to _____ feet

WATER: Color clear Taste _____

Odor _____ 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 50 feet

6 1/2 inches from 50 to 200 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 50 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

GROUTING: Method pressure
cement and

Material water Depth 50 feet

PUMP: Type turbine

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	40	Clay	
40	50	Gray granite	
50	72	Greenstone	
72	102	Soft greenstone	
102	117	Gray granite	
120	135	Weathered granite	water (30 gpm)
135	147	Soft granite	water (80 gpm)
147	200	Gray granite	

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

W-2419
C- 99
TOTAL DEPTH- 200'

GEOLOGIC LOG

Depth
in feet

0-57	Mica schist — weathered, grayish brown; quartz, sericite, biotite, saussuritized feldspar, and trace of pyrite
57-72	" with small amount of jasper
72-87	"
87-102	"
102-117	Mica schist — medium gray, well foliated; quartz, sericite, biotite, and saussuritized feldspar
117-132	Sericite phyllite — medium silver-gray; traces of weathered phyllite, vein quartz, and pyrite
132-147	"
147-162	" with large amount of mica schist
162-177	" with slickensides and sheared pyrite
177-192	" with large amounts of mica schist and vein quartz
192-200	No sample

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-192	Evington Group (phyllite facies)	Cambrian
192-200	No sample	

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