

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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 (Tall Pines #1) Mailing Address: Chancellor, Virginia

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

WELL LOCATION: County Orange Approx. 300 ^{feet} ~~meters~~ east (direction) of
Edgemont Circle and 300 ^{feet} ~~meters~~ north (direction) of Lakeview Parkway

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

DATE STARTED: 11/26/68 DATE COMPLETED: 12/4/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 225 feet

WATER LEVEL: Stands 50 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method air lift
Drawdown 82 feet
Rate 10 gal. per min.
Duration 2 hrs., 0 min.

HOLE SIZE: 10 3/4 inches from 0 to 60 feet
6 1/2 inches from 60 to 225 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 68 to 70 feet
from 140 to 142 feet
from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER: Color clear Taste _____
Odor none Temp. _____ °F

CASE SIZE: 7 OD inches from +2 to 60 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WELL TO SUPPLY: (check one) Home _____
Farm _____ Town _____ School _____
Industry _____ Other subdivision

GROUTING: Method pressure
cement &
Material water Depth 60 feet

WATER ANALYSIS AVAILABLE: Yes _____ No x

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

DRILL CUTTINGS SAVED: Yes 12 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: 12/16/68

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	25	Red clay	
25	40	Brown sand	
40	55	Brown sandy clay	
55	68	Greenstone	
68	70	Weathered greenstone	water (5 gpm)
70	140	Greenstone	
140	142	Soft greenstone	water (10 gpm)
142	225	Greenstone	

(Use additional forms if necessary)

OWNER: Virginia Wildlife Clubs, Inc.
(Lake of the Woods, Tall Pines #1)

W-2409

175-190	Metamorphosed basalt (?) — dark gray-green, schistose to massive amphibolitic schist; biotite or hornblende, feldspar, chlorite, and muscovite; traces of pyrite, jasper, smoky quartz, epidote, and saussuritized feldspar fragments
190-205	"
205-220	"
220-225	No sample

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-25'	No samples	—
25-145'	Lynchburg Formation (?)	Precambrian
145-220'	Catoctin Formation (?)	Precambrian (?)
220-225'	No sample	—

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