

OWNER: Virginia Wildlife Clubs, Inc.

VDMR: 2198

(Lake-of-the-Woods, Shenandoah Division, Well #1)

WWCR: 90

DRILLER: Sydnor Hydrodynamics, Inc.

TOTAL DEPTH: 300'

COUNTY: Orange (Locust Grove)

GEOLOGIC LOG

<u>Depth in feet</u>	
0-15	Saprolite — light-reddish-brown to light-red clay, with traces of mica and quartz
15-30	"
30-45	"
45-60	" trace of maganese oxide
60-75	"
75-79	No sample
79-90	Biotite Gneiss — medium-greenish gray; biotite, chlorite, plagioclase and quartz, with traces of garnet and magnetite; calcareous
90-105	"
105-119	"
119-134	"
134-149	Biotite Gneiss — medium-greenish gray; biotite, chlorite, plagioclase, quartz, and epidote
149-164	"
164-179	"
179-194	"
194-209	" light-greenish gray
209-224	" "
224-239	" trace of garnet
239-254	" "
254-269	" "
269-284	" "

OWNER: Virginia Wildlife Clubs, Inc. (Lake-of-the-Woods, Shen. Div. Well #1)

284-300 Biotite Gneiss — light gray; biotite, chlorite, plagioclase,
 quartz, and epidote

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-75'	Saprolite	—
75-79'	No sample	—
79-300'	Biotite Gneiss	Precambrian (?)

Virginia Division of Mineral Resources
Thomas M. Gathright, Geologist
August 13, 1968

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P

UDMR-2198
WWCR-90

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:
Box 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, Shen. Div. well #1 Mailing Address: Chancellor, Virginia

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: P.O.Box 1476, Richmond, Va.

WELL LOCATION: County Orange Approx. 50 ~~feet~~ ^{feet} ~~miles~~ southwest (direction) of
Lakeview Parkway (Lot 17) and 450 ~~feet~~ ^{feet} ~~miles~~ west (direction) of Confederate Circle

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

DATE STARTED: 3-20-68 DATE COMPLETED: 4-8-68

TYPE OF DRILL RIG USED: Air Rotary #65 TOTAL DEPTH 300 feet

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

YIELD TEST: Method Air lift
Drawdown to 300 feet
Rate 10 gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 10 inches from 0 to 100 feet
6 inches from 100 to 300 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 132 to 132 1/2 feet
from 60 to 81 feet
from 89 to 90 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 100 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method Pressure
Material cement & water Depth 100 feet

WATER ANALYSIS AVAILABLE: Yes _____ No

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

DRILL CUTTINGS SAVED: Yes 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: Sherandoah #1 Lot 17
70 samples

LOG

FURNISHED BY: SYDNOR HYDRODYNAMICS, INC.

DATE: 4-30-68

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	Top soil	
1	15	Red clay	
15	70	Rotten granite	
70	80	Solid green granite	
80	81	Soft (water) — — — — —	cased off
81	89	Solid green granite	
89	90	Soft (water) — — — — —	cased off
90	110	Solid green granite	
110	132	Gray granite	
132	132 $\frac{1}{2}$	Soft (water)	
132 $\frac{1}{2}$	300	Gray granite	