

OWNER: Virginia Wildlife Clubs, Inc., Lake of the Woods  
(Sweetbrier Division, Well #4)  
DRILLER: Sydnor Hydrodynamics, Inc.  
COUNTY: Orange (Locust Grove)

VDMR: 2046  
WWCR: 76  
TOTAL DEPTH: 340'

GEOLOGIC LOG

Depth in feet

0-3	Saprolite - grayish-brown; poorly-weathered and iron-oxide stained fragments of gneiss; clay
3-25	Granitic gneiss - gray, fine-grained, slightly foliated and lineated; feldspar, amphiboles, sericite, quartz, chlorite, and trace of garnet
25-40	"
40-55	"
55-70	"
70-85	" with vein quartz
85-100	"
100-115	" with vein quartz
115-130	" "
130-145	" "
145-160	Sericite-biotite-chlorite schist - gray, phyllitic, fine-grained, microcrystalline to cryptocrystalline, foliated, soft; sericite, biotite, chlorite, quartz, feldspar, amphiboles, serpentine, and trace of calcite; slickensides
160-175	"
175-190	" more chlorite and amphibole
190-205	" "
205-220	" "
220-235	" "
235-250	" "
250-265	" "
265-280	" "

OWNER: Virginia Wildlife Clubs, Inc., Lake of the Woods  
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#2046

280-295 Sericite-biotite-chlorite schist - gray, phyllitic, fine-grained,  
microcrystalline to cryptocrystalline, foliated, soft;  
sericite, biotite, chlorite, quartz, feldspar, amphiboles,  
serpentine, and trace of calcite; slickensides; more chlorite  
and amphibole

295-310 "

310-340 No sample

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-3'	Saprolite	
3-310'	Evington Group	Early Paleozoic
310-340'	No samples	

Virginia Division of Mineral Resources  
Robert G. Willson, Geologist  
January 17, 1968

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B 3667  
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road  
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

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

TENANT: Lake of The Woods, Sweetbrier Div. Well #4 Mailing Address: Chancellor, Virginia

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

WELL LOCATION: County Orange Approx. 50 <sup>feet</sup>~~miles~~ east (direction) of  
Parliment Street and 1000 <sup>feet</sup>~~miles~~ north (direction) of Freedom Road

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

DATE STARTED: October 5, 1967 DATE COMPLETED: October 10, 1967

TYPE OF DRILL RIG USED: Rotary No. 66 TOTAL DEPTH 340 feet

WATER LEVEL: Stands 38 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Submersible  
Drawdown \_\_\_\_\_ feet  
Rate 6-3/4 gal. per min.  
Duration 8 hrs., \_\_\_\_\_ min.

HOLE SIZE: 8-3/4 inches from 0 to 50 feet  
5 inches from 50 to 340 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from 150 to 240 feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_  
Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

CASE SIZE: 5 inches from 0 + 1 to 50 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 and water Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes X No \_\_\_\_\_

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

DRILL CUTTINGS SAVED: Yes X 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: \_\_\_\_\_



