

OWNER: Virginia Wildlife Clubs, Inc., Lake of the Woods
(Sweetbrier Division, Well #6)
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Orange (Locust Grove)

VDMR: 2048
WWCR: 78
TOTAL DEPTH: 340'

GEOLOGIC LOG

Depth in feet

0-60	No samples
60-75	Saprolite - tan, slightly-weathered and iron-oxide stained fragments of gneiss, vein quartz and metaquartzite; clay
75-100	" less weathered and iron-oxide stained
100-115	Gneiss - gray, fine-grained, foliated, some schistose fragments; feldspar, amphiboles, quartz, chlorite, sericite and trace of pyrite
115-130	"
130-145	"
145-160	"
160-175	" light gray; large increase in amount of quartz
175-190	" "
190-205	" "
205-220	" "
220-235	"
235-250	"
250-265	"
265-280	"
280-300	"
300-315	"
315-330	"
330-340	"

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GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-60'	No samples	
60-340'	Evington Group	Early Paleozoic

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:

Box 3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

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

TENANT: Lake of The Woods, Sweetbrier Division Mailing Address: Chancellor, Virginia

DRILLER: Sydnor Hydrodynamics, Inc Well #6 Mailing Address: Box 1476, Richmond, Va

WELL LOCATION: County Orange Approx. 50 feet west (direction) of Intersection
Liberty Blvd. and 50 feet west (direction) of Liberty & Freedom

(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 19, 1967 DATE COMPLETED: October 25, 1967

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

WATER LEVEL: Stands 32 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Submersible

Drawdown _____ feet

Rate 23.9 gal. per min.

Duration 8 hrs., _____ min.

WATER ZONES: from 150 to 160 feet

from 305 to 310 feet

from _____ to _____ feet

WATER: Color _____ 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 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: 7-7/8 inches from 0 to 100 feet

5 inches from 100 to 340 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 5 inches from 0 + 1 to 100 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

GROUTING: Method Pressure

Material cement and water Depth 100 feet

PUMP: Type _____

Capacity _____ gal. per min

Depth of intake _____ feet

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc. DATE: October 30, 1967

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	60	Red clay	
60	95	Greenstone	
95	160	Soft greenstone	Water 5 GPM
160	305	Greenstone	
305	310	Soft greenstone	Water 10 GPM
310	340	Greenstone	
		TOTAL DEPTH 340	

(Use additional forms if necessary)

