

OWNER: Virginia Wildlife Clubs, Inc., Lake of the Woods VDMR: 2047
(Sweetbrier Div., Well #5) WWCR: 77
DRILLER: Sydnor Hydrodynamics, Inc. TOTAL DEPTH: 295'
COUNTY: Orange Co. (Locust Grove)

GEOLOGIC LOG

Depth in feet

0-3	Saprolite — light grayish-tan, poorly-weathered and iron-oxide-stained fragments of vein quartz, gneiss and clay
3-25	Granitic Gneiss — very light-gray, fine-grained, slightly foliated to granitic; feldspar, quartz and amphibole, with traces of chlorite and sericite; vein quartz
25-40	"
40-55	" less vein quartz and feldspar
55-70	" gray; traces of vein quartz and feldspar
70-85	" "
85-100	" "
100-115	" "
115-130	" "
130-145	" "
145-160	" "
160-175	" gray; minor amounts of vein quartz and feldspar
175-190	" "
190-205	Metaquartzite — brownish-gray, aphanitic, crystalline; associated with minor amounts of granitic gneiss
205-220	Granitic Gneiss — gray, fine-grained, slightly foliated to granitic; feldspar, quartz, and amphiboles, with traces of chlorite and sericite
220-235	"
235-250	"
250-265	"
265-295	No samples

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GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-3'	Saprolite	
3-265'	Evington Group	Early Paleozoic
265-295'	No samples	—

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

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

VDMR: 2047
WWCR: 77

MAILING ADDRESS:

Box 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

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. Mailing Address: Chancellor, Virginia
Well #5

DRILLER: Sydnor Hydrodynamics Mailing Address: Box 1476, Richmond, Virginia

WELL LOCATION: County Orange Approx. 50 ^{feet}~~miles~~ east (direction) of
York Town Blvd. and 350 ^{feet}~~miles~~ south (direction) of Freedon 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 10, 1967 DATE COMPLETED: October 20, 1967

TYPE OF DRILL RIG USED: Rotary No. 66 TOTAL DEPTH 295 feet

WATER LEVEL: Stands 28-1/2 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Submersible
Drawdown _____ feet
Rate 30 gal. per min.
Duration 8 hrs., _____ min.

WATER ZONES: from 135 to 145 feet
from 190 to 205 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 8-3/4 inches from 0 to 18 feet
7-7/8 inches from 18 to 100 feet
5 inches from 100 to 295 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
cement &
Material water Depth 100 feet

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

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc. DATE: October 25, 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	3	Clay	
3	40	White quartz	
40	135	Greenstone	
135	145	Weathered rock	Water 10 GPM
145	190	Greenstone	
190	205	Weathered greenstone	Water 15 GPM
205	295	Greenstone	

(Use additional forms if necessary)

