

OWNER: Virginia Wildlife Clubs, Inc., Lake of the Woods VDMR: 2044
(Sweetbrier Div., Well #2) WWCR: 74
DRILLER: Sydnor Hydrodynamics, Inc. TOTAL DEPTH: 405'
COUNTY: Orange (Locust Grove)

GEOLOGIC LOG

Depth in feet

0-10	Saprolite — brown, weathered and iron-oxide-stained schists or phyllites; clay
10-20	"
20-30	"
30-40	"
40-50	"
50-60	"
60-70	Schist — gray, phyllitic, fine-grained, foliated, soft; talc, chlorite, serpentine, sericite, and amphiboles; with traces of feldspar, quartz, and pyrite
70-80	"
80-90	"
90-100	"
100-110	"
110-120	"
120-130	"
130-140	" with trace of biotite
140-150	Biotite-chlorite gneiss — gray, fine-grained, slightly foliated; feldspar, quartz, chlorite, biotite, sericite, talc, and amphiboles, with trace of pyrite
150-160	"
160-170	Schist — gray, phyllitic, fine-grained, foliated, soft; talc, chlorite, sericite, serpentine and amphiboles, with traces of feldspar and quartz
170-180	No sample

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180-190	Schist - gray, phyllitic, fine-grained, foliated, soft; talc, chlorite, sericite, serpentine, and amphiboles with traces of feldspar and quartz
190-200	Biotite-chlorite gneiss - gray, fine-grained, slightly foliated; feldspar, quartz, chlorite, biotite, talc, sericite, and amphibole
200-210	"
210-220	"
220-230	"
230-240	"
240-250	Chlorite-sericite schist - gray, phyllitic, fine-grained, soft; sericite, chlorite, biotite, talc, and amphiboles
250-260	"
260-270	"
270-280	"
280-290	"
290-300	"
300-310	"
310-320	"
320-330	"
330-340	"
340-350	"
350-360	"
360-370	"
370-380	"
380-390	"
390-405	No samples

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GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-60	Saprolite	—
60-390	Evington Group	Early Paleozoic
390-405	No samples	—

Virginia Division of Mineral Resources
Robert G. Willson, Geologist
January 16, 1968

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

VDMR: 2044
WWCR: 74

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. Well #2 Mailing Address: Chancellor, Virginia

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

WELL LOCATION: County Orange Approx. 150 ^{feet}~~miles~~ south (direction) of
in Park Area
Freedon Road and 150 ^{feet}~~miles~~ east (direction) of Liberty Blvd.

(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 2, 1967 DATE COMPLETED: October 4, 1967

TYPE OF DRILL RIG USED: Rotary No. 67 TOTAL DEPTH 405 feet

WATER LEVEL: Stands 30 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Submersible

Drawdown _____ feet

Rate 5.4 gal. per min.

Duration 8 hrs., _____ min.

WATER ZONES: from 133 to 134 feet

from 172 to 173 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 85 feet

5 inches from 85 to 405 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 + 2 to 85 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

GROUTING: Method Pressure

cement and

Material water Depth 85 feet

PUMP: Type _____

Capacity _____ gal. per min

Depth of intake _____ feet

INTERVAL SHEET

WWCR: 74

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VDMR Well No: 2044

Date rec'd: 11/17/67

Sample Interval: from 0 to: 390'

PROP: Va. Wildlife Clubs, Inc.

Number of samples: 38

(Lake of Woods, Sweetbrier Division Well #2)

COMP: Sydnor Hydrodynamics

Total Depth: 405'

COUNTY: Orange (Locust Grove)

Oil or Gas: Water:X Exploratory:

From-To	From-To	From-To	From-To
0 - 10	300 - 310	-	-
10 - 20	310 - 320	-	-
20 - 30	320 - 330	-	-
30 - 40	330 - 340	-	-
40 - 50	340 - 350	-	-
50 - 60	350 - 360	-	-
60 - 70	360 - 370	-	-
70 - 80	370 - 380	-	-
80 - 90	380 - 390	-	-
90 - 100	-	-	-
100 - 110	-	-	-
110 - 120	-	-	-
120 - 130	-	-	-
130 - 140	-	-	-
140 - 150	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
-	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-
250 - 260	-	-	-
260 - 270	-	-	-
270 - 280	-	-	-
280 - 290	-	-	-
290 - 300	-	-	-

All intervals have both washed and unwashed samples