

OWNER: Virginia Wildlife Clubs, Inc.

VDMR: 2004

(Lake of the Woods - Wakefield Division Well #4)

WWCR: 71

DRILLER: Sydnor Hydrodynamics, Inc.

TOTAL DEPTH: 343'

COUNTY: Orange (Locust Grove)

GEOLOGIC LOG

Depth in feet

0-10	Saprolite - iron-oxide stained vein quartz; clay, weathered phyllite, and manganese nodules
10-20	"
20-30	"
30-40	"
40-50	"
50-60	"
60-70	"
70-80	"
80-90	" with minor amount of unweathered phyllite
90-100	" "
100-110	"
110-120	" with minor amount of unweathered phyllite and vein quartz
120-130	Vein Quartz - iron-oxide stained, weathered; minor amount of weathered phyllite
130-140	Schist - medium gray-green, medium-grained, weathered; chlorite, sericite, quartz, feldspar and pyrite
140-150	"
150-160	"
160-170	"
170-180	"
180-190	"

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#2004

190-200	Schist - medium gray-green, medium-grained, weathered; chlorite, sericite, quartz, feldspar and pyrite
200-210	"
210-220	"
220-230	"
230-240	"
240-250	"
250-260	"
260-270	"
270-280	" with minor amount of white vein quartz
280-290	"
290-300	"
300-318	"
318-330	" with buff-colored feldspar grains
330-343	" "

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-120'	Saprolite	
120-343'	Evington Group	Early Paleozoic

Virginia Division of Mineral Resources
T. M. Gathright, Geologist
January 17, 1968

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

VDMR: 2004
WWCR: 71

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: Box 361, Springfield, Va.

TENANT: Lake of Woods, Wakefield Division Mailing Address: Chancellor, Virginia

Well #4

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

WELL LOCATION: County Orange Approx. 250 ^{feet}~~miles~~ west (direction) of
Wakefield Drive and 330 ^{feet}~~miles~~ south (direction) of Liberty Boulevard

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

DATE STARTED: August 9, 1967 DATE COMPLETED: August 29, 1967

TYPE OF DRILL RIG USED: Rotary No. 64 TOTAL DEPTH 343 feet

WATER LEVEL: Stands 43 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Submersible

Drawdown _____ feet

Rate 33 gal. per min.

Duration 8 hrs., _____ min.

WATER ZONES: from 132 to 138 feet

from 180 to 182 feet

from 245 to 257 feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other Subdivision

WATER ANALYSIS AVAILABLE: Yes X No _____

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: _____

HOLE SIZE: 9-7/8 inches from 0 to 131 feet

6 inches from 131 to 343 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 6 inches from 0+2 to 131 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

GROUTING: Method Pressure

Material cement and water Depth 131 feet

PUMP: Type _____

Capacity _____ gal. per min

Depth of intake _____ feet

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc.

DATE: August 29, 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	40	Red clay	
40	68	Brown clay sand	
68	100	Rotting red rock	
100	104	Hard red granite	
104	106	Soft red rock	
106	110	Brown clay and silt	
110	125	Soft red rock	
125	145	Red granite	
145	185	Green granite	
185	195	Green and red granite	
195	218	Green granite	
218	238	Green and white granite	
238	343	Green granite	

(Use additional forms if necessary)

INTERVAL SHEET

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WWCR: 71

VDMR Well No: 2004

Date rec'd: 9/12/67

Sample Interval: from 0' to: 343'

PROP: Va. Wildlife Clubs, Inc.
(Lake of Woods, Wakefield Div. Well #4)

Number of samples: 33

COMP: Sydnor Hydrodynamics

Total Depth: 343'

COUNTY: Orange (Locust Grove)

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To
0 - 10	300 - 318	-	-
10 - 20	318 - 330	-	-
20 - 30	330 - 343	-	-
30 - 40	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
110 - 120	-	-	-
120 - 130	-	-	-
130 - 140	-	-	-
140 - 150	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
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