

OWNER: Va. Wildlife Clubs, Inc. (Lake of the Woods)  
Country Club Hills, Well #5  
DRILLER: Sydnor Hydrodynamics, Inc.  
COUNTY: Orange (Locust Grove)

VDMR: 2119  
WWCR: 83  
TOTAL DEPTH: 445'

GEOLOGIC LOG

<u>Depth in feet</u>	
0-15	Saprolite — red-brown, iron-oxide stained, weathered sericite, phyllite, clay, and vein quartz
15-30	"
30-45	" yellow-brown
45-60	" " with limonite nodules
60-75	"
75-90	Sericite phyllite — weathered light yellowish-brown; iron-oxide-stained limonite nodules, vein quartz and clay
90-105	Sericite-chlorite schist — light greenish-gray, partly weathered to yellowish-tan; medium grained; minor amount of vein quartz
105-120	Quartz-chlorite schist — light greenish-gray; smoky quartz, feldspar, chlorite, sericite, and euhedral pyrite grains
120-135	" very gneissic
135-150	" sericitic
150-165	" "
165-180	Quartz-sericite-chlorite schist and phyllite — medium gray-green; minor amount of vein quartz, and trace of euhedral pyrite
180-195	"
195-210	"
210-225	"

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Country Club Hills, Well #5

225-240	Quartz-chlorite schist and chlorite schist = medium gray-green, quartz-chlorite schist with sericite and minor amount of pyrite; dark-green, phyllitic chlorite schist
240-255	" trace of chlorite schist
255-270	" trace of vein quartz
270-285	Quartz-chlorite schist and phyllite — medium gray; with minor amounts of feldspar and vein quartz
285-300	Quartz-chlorite schist — medium gray-green; minor amounts of feldspar, sericite, and euhedral pyrite; traces of magnetite and epidote
300-315	"
315-330	"
330-345	"
345-360	"
360-375	"
375-390	"
390-405	"
405-420	" with minor amount of biotite
420-435	" "
435-440	" "
440-445	No sample

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-440	Evington Group	Cambrian
440-445	No sample	

Virginia Division of Mineral Resources  
T. M. Gathright, Geologist  
March 5, 1968

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B-3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

OWNER: Va. Wildlife Clubs, Inc. (Lake of Woods) Mailing Address: P. O. Box 631, Springfield, Va.

TENANT: Country Club Hills, Well #5 Mailing Address: Chancellor, Va.

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: P. O. Box 1476, Richmond, Va. 23212

WELL LOCATION: County Orange (Locust Grove) Approx. 300 feet west (direction) of Green Street and 650 feet northeast (direction) of Eagle Court

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

DATE STARTED: December 7, 1967 DATE COMPLETED: December 14, 1967

TYPE OF DRILL RIG USED: Rotary #65 TOTAL DEPTH 445 feet

WATER LEVEL: Stands 30 feet below surface OR

has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method submersible

Drawdown \_\_\_\_\_ feet

Rate 47 gal. per min.

Duration 8 hrs., \_\_\_\_\_ min.

HOLE SIZE: 8 3/4 inches from 0 to 108 feet

5 inches from 108 to 445 feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

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

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from 182 to 183 feet

from 290 to 291 feet

from \_\_\_\_\_ to \_\_\_\_\_ feet

CASE SIZE: 5 inches from +2 to 108 feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_

Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

GROUTING: Method Pressure

Cement &

Material Water Depth 108 feet

WELL TO SUPPLY: (check one) Home \_\_\_\_\_

Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_

Industry \_\_\_\_\_ Other subdivision \_\_\_\_\_

PUMP: Type \_\_\_\_\_

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

Capacity \_\_\_\_\_ gal. per min

DRILL CUTTINGS SAVED: Yes  No \_\_\_\_\_

Depth of intake \_\_\_\_\_ feet

(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: \_\_\_\_\_



LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc. DATE: December 15, 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	1	Top soil	
1	80	Red clay	
80	104	Weathered rock	
104	122	Solid green granite	
122	152	Weathered granite	
152	164	Solid green granite	
164	167	Weathered rock	
167	445	Solid green granite	Water @ 182-183, 290-291

(Use additional forms if necessary)

INTERVAL SHEET WWCR 83

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VDMR Well No: 2119

Date rec'd: 2/21/67

Sample Interval: from 0 to: 440'

PROP: Va. Wildlife Clubs, Inc. (Lake of the Woods)  
Country Club Hills, Well #5

Number of samples: 30

COMP: Sydnor Hydrodynamics, Inc.

Total Depth: 445'

COUNTY: Orange (Locust Grove)

Oil or Gas: Water:X Exploratory:

From-To	From-To	From-To	From-To
0 - 15	-	-	-
15 - 30	-	-	-
30 - 45	-	-	-
45 - 60	-	-	-
60 - 75	-	-	-
75 - 90	-	-	-
90 - 105	-	-	-
105 - 120	-	-	-
120 - 135	-	-	-
135 - 150	-	-	-
150 - 165	-	-	-
165 - 180	-	-	-
180 - 195	-	-	-
195 - 210	-	-	-
210 - 225	-	-	-
225 - 240	-	-	-
240 - 255	-	-	-
255 - 270	-	-	-
270 - 285	-	-	-
285 - 300	-	-	-
300 - 315	-	-	-
315 - 330	-	-	-
330 - 345	-	-	-
345 - 360	-	-	-
360 - 375	-	-	-
375 - 390	-	-	-
390 - 405	-	-	-
405 - 420	-	-	-
420 - 435	-	-	-
435 - 440	-	-	-

All intervals have both washed and unwashed samples