

OWNER: Virginia Wildlife Clubs (Lake of the Woods)  
Country Club Hills, Well #1  
DRILLER: Sydnor Hydrodynamics, Inc.  
COUNTY: Orange (Locust Grove)

VDMR: 2115  
WWCR: 79  
TOTAL DEPTH: 315'

GEOLOGIC LOG

Depth in  
feet

0-15	Weathered phyllite — reddish-brown magnetite and limonite coating on weathered sericite phyllite fragments; iron-oxide stains; minor amount of unweathered phyllite
15-30	" considerable amount of vein quartz
30-45	" "
45-60	" "
60-75	" "
75-90	" "
90-105	Chlorite-sericite phyllite — gray-green, quartzose, minor amount of vein quartz, a few light-brown, weathered phyllite fragments
105-120	" unweathered
120-135	Sericite-quartz schist — light gray-green, chloritic and feldspathic; minor amount of dark-green chlorite phyllite
135-150	" a few grains of pyrite and magnetite
150-165	" magnetite-rich
165-180	Chlorite schist and phyllite — gray-green; chlorite, quartz, feldspar, sericite, and approximately 5 percent magnetite and pyrite
180-195	Quartz-sericite-chlorite schist — light-green feldspathic; trace of pyrite and magnetite
195-210	" some iron-oxide-stained vein quartz
210-225	Sericite phyllite — white with finely-disseminated pyrite and magnetite in sheared matrix of sericite, quartz, chlorite, and apatite
225-240	" light-green due to increase in chlorite content

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#2115

- 240-255 Quartz-chlorite-sericite schist or gneiss — light-green, slightly feldspathic; minor amount of apatite, trace of pyrite (some grains of this sample have a granitic texture, others are schistose or phyllitic, although the mineral composition is the same)
- 255-270 "
- 270-285 No sample
- 285-300 Quartz-sericite-chlorite phyllite — light-green, slightly feldspathic; trace of pyrite
- 300-315 "

GEOLOGIC SUMMARY

ROCK UNIT

AGE

Evington Group

Cambrian

Virginia Division of Mineral Resources  
T. M. Gathright, Geologist  
March 4, 1968

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B-3667  
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road  
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

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

TENANT: Country Club Hills, Well #1 Mailing Address: Chancellor, Va.

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: Box 1476, Richmond, VA 23212

WELL LOCATION: County Orange (Locust Grove) Approx. 50 feet east (direction) of  
Lakeview Parkway and 1000 feet south (direction) of Birchside Circle

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

DATE STARTED: November 15, 1967 DATE COMPLETED: November 29, 1967

TYPE OF DRILL RIG USED: Rotary #65 TOTAL DEPTH 315 feet

WATER LEVEL: Stands 6" above surface OR

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

YIELD TEST: Method submersible

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

Rate 46 gal. per min.

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

WATER ZONES: from 115 to 115 1/2 feet

from 165 to 180 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 27 feet

7 7/8 inches from 27 to 94 feet

5 inches from 94 to 315 feet

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

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

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

CASE SIZE: 5 inches from +2 to 94 feet

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

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

GROUTING: Method Pressure \_\_\_\_\_

Material cement-water Depth 94 feet

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

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

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

FURNISHED BY: Sydnor Hydrodynamics, Inc. DATE: December 21, 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	10	Red clay	
10	90	Weathered granite	
90	94	Soft granite	
94	105	Solid gray granite	
105	220	Solid green granite	Water entering 115-115 1/2, 165-180'
220	230	Slate	
230	315	Solid green granite	

INTERVAL SHEET WWCR 79

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VDMR Well No: 2115

Date rec'd: 2/19/68

Sample Interval: from 0 to: 315'

PROP: Va. Wildlife Clubs (Lake of Woods)  
Country Club Hills, Well #1

Number of samples: 20

COMP: Sydnor Hydrodynamics, Inc.

Total Depth: 315'

COUNTY: Orange (Locust Grove)

Oil or Gas: Water:  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	-	-	-
-	-	-	-
285 - 300	-	-	-
300 - 315	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples