

OWNER: Virginia Wildlife Clubs, Inc., (Lake of the Woods)
Tara Division, Well #3
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Orange (Locust Grove)

VDMR: 2114
WWCR: 86
TOTAL DEPTH: 345'

GEOLOGIC LOG

<u>Depth in feet</u>	
0-25	Saprolite — red-brown, silty clay with fragments of vein quartz
25-50	" many euhedral quartz crystals
50-65	Saprolite — red clay and vein quartz
65-80	Vein quartz and sericite phyllite — light-yellow and iron-oxide-stained vein quartz; light greenish-gray, chloritic sericite-phyllite
80-90	Chlorite-sericite-quartz schist — light greenish-gray, very fine-grained; quartz grains are smoky; minor amount of plagioclase, trace of pyrite
90-105	Chlorite schist — medium, gray-green, very fine-grained; quartz, plagioclase, chlorite and sericite; minor amount of pyrite, trace of magnetite
105-120	" partially weathered
120-135	Sericite-quartz schist — very light-green, coarse grained; quartz, plagioclase and sericite; minor amount of chlorite, trace of pyrite
135-150	"
150-165	"
165-180	" with chlorite phyllite
180-195	"
195-210	"
210-225	"
225-240	"
240-255	"
255-270	"

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- 270-285 Sericite-quartz schist — very light-green, coarse grained; quartz, plagioclase and sericite; minor amount of chlorite, trace of pyrite; very quartzose
- 285-300 Sericite-quartz schist — very light-green, coarse grained; quartz, plagioclase and sericite; minor amount of chlorite, trace of pyrite
- 300-315 Chlorite schist — dark greenish-gray, very fine-grained; chlorite, quartz, plagioclase (?) and sericite; minor amounts of epidote, pyrite, and magnetite
- 315-330 " considerable amount of coarse-grained quartz
- 330-345 Quartz-sericite-chlorite schist — medium gray-green, coarse grained; plagioclase, minor amount of pyrite, and trace of azurite

GEOLOGIC SUMMARY

<u>ROCK UNIT</u>	<u>AGE</u>
Evington Group	Cambrian

Virginia Division of Mineral Resources
T. M. Gathright, Geologist
March 1, 1968

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

Box 3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

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

TENANT: Tara Division, Well #3 Mailing Address: Chancellor, Va.

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

WELL LOCATION: County Orange (Locust Grove) Approx. 400 feet north (direction) of Pine Valley Road and 600 feet north (direction) of Applevue 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 5, 1967 DATE COMPLETED: December 7, 1967

TYPE OF DRILL RIG USED: Rotary #65 TOTAL DEPTH 345 feet

WATER LEVEL: Stands 43 feet below surface OR has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Submersible Drawdown _____ feet Rate 50 gal. per min. Duration 8 hrs., _____ min.

HOLE SIZE: 8 3/4 inches from 0 to 79 feet 5 inches from 79 to 345 feet SCREEN SIZE: _____ inches from _____ to _____ feet

WATER ZONES: from 83 to 86 feet 133 to 135 feet from 177 to 178 feet 272 to 273 feet from 302 to 303 feet 315 to 316 feet

CASE SIZE: 5 inches from 0 + 2 to 79 feet _____ inches from _____ to _____ feet _____ inches from _____ to _____ feet

WATER: Color _____ Taste _____ Odor _____ Temp. _____ °F

GROUTING: Method pressure Material Cement & Water Depth 79 feet

WELL TO SUPPLY: (check one) Home _____ Farm _____ Town _____ School _____ Industry _____ Other subdivision _____

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

WATER ANALYSIS AVAILABLE: Yes _____ 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: _____

LOG

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	56	Red clay	
56	72	Rotten granite	
72	83	Solid green granite	
83	86	Weathered granite	
86	133	Solid green granite	
133	297	Solid green granite	
297	345	Solid green granite	

