

OWNER: Va. Wildlife Clubs (Lake of Woods - VDMR: 2112
 Tara Division, Well #1) WWCR: 84
 DRILLER: Sydnor Hydrodynamics, Inc. TOTAL DEPTH: 285'
 COUNTY: Orange (Locust Grove)

GEOLOGIC LOG

<u>Depth in feet</u>	
0-15	Saprolite — red, phyllitic, micaceous
15-30	Saprolite — brownish-orange; fragments of vein quartz, manganese nodules, and minor amount of light-gray phyllite
30-45	"
45-60	" yellowish-brown
60-75	Mica schist — dark brownish-green, weathered; quartz, sericite and chlorite
75-90	Chlorite phyllite — dark-green, pyritic; quartz, sericite, chlorite, and minor epidote (may be altered greenstone)
90-105	Quartz-chlorite-sericite schist — medium greenish-gray to brownish-gray; pyrite and vein quartz
105-120	Quartz-chlorite schist — light greenish-gray, knotted; sericite, feldspar, minor pyrite, and vein quartz
120-135	Quartz-chlorite schist and chlorite phyllite — medium greenish-gray; vein quartz and tourmaline
135-150	" partially weathered
150-165	Vein quartz — very light-gray; with fragments of chlorite schist
165-180	Chlorite phyllite — dark-green; quartz, chlorite, sericite, minor pyrite and magnetite
180-195	Quartz-chlorite schist — light-green, quartz, chlorite, sericite, minor pyrite, vein quartz, and magnetite
195-210	"

OWNER: Va. Wildlife Clubs (Lake of Woods-Tara Division, Well #1)

210-225	Quartz-chlorite schist — light-green, quartz, chlorite, sericite, minor pyrite, vein quartz, and magnetite
225-240	" with limonite concretions
240-255	" "
255-270	" "
270-285	" calcareous

GEOLOGIC SUMMARY

ROCK UNIT

AGE

Evington Group

Cambrian

Virginia Division of Mineral Resources

T. M. Gathright, Geologist

March 1, 1968

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

VDMR: 2112
WWCR: 84

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, Inc. Mailing Address: Box 631 - Springfield, Virginia

TENANT: Lake of the Woods-Tara Div., Well #1 Mailing Address: Chancellor, Virginia

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

WELL LOCATION: County Orange (Locust Grove) Approx. 300 ^{feet} ~~miles~~ south (direction) of
Birchside Circle and 900 ^{feet} ~~miles~~ west (direction) of Lakeview Parkway

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

DATE STARTED: 29 November 1967 DATE COMPLETED: 6 December 1967

TYPE OF DRILL RIG USED: Rotary No. 65 TOTAL DEPTH 285 feet

WATER LEVEL: Stands 41'8" feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Submersible
Drawdown _____ feet
Rate 55 gal. per min.
Duration 8 hrs., _____ min.

HOLE SIZE: 8 3/4 inches from 0 to 74 feet
5 inches from 74 to 285 feet
_____ inches from _____ to _____ feet
SCREEN SIZE: _____ inches from _____ to _____ feet

WATER ZONES: from 92 to 93 feet
95 to 96
from 103 to 104 feet
129 to 130
from 200 to 201 feet

_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
CASE SIZE: 5 inches from 0 + 2 to 74 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method Pressure
Cement &
Material Water Depth 74 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: 21 December 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	70	Red clay	
70	143	Solid green granite with some weathered rock	
143	285	Solid green granite	
		DATE STARTED: 29 November 1967	
		DATE COMPLETED: 6 December 1967	
		TYPE OF DRILL RIG USED: Rotary	
		WATER LEVEL: 41'8" test below surface OR	
		YIELD TEST: Method Submersible	
		WATER: Color Taste	
		WELL TO SUPPLY: (check one) Home	
		WATER ANALYSIS AVAILABLE: Yes	
		DRILL CUTTINGS SAVED: Yes <input checked="" type="checkbox"/> No	

(Use additional forms if necessary)