

OWNER: Virginia Wildlife Clubs, Inc. (Lake of the Woods)
Tara Division, Well #2
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Orange (Locust Grove)

VDMR: 2113
WWCR: 85
TOTAL DEPTH: 310'

GEOLOGIC LOG

Depth in
feet

0-80	No samples
80-115	Saprolite — light-brown, micaceous; traces of limonite, pyrite, and vein quartz
115-130	Weathered phyllite — light greenish-gray, weathered reddish-brown; quartz, feldspar, sericite and chlorite; minor amounts of pyrite and vein quartz
130-145	Quartzite and quartz-sericite phyllite — very light-gray to white, sheared, micaceous quartzite and white quartz-sericite phyllite; minor amounts of chlorite, biotite (?), and pyrite; trace of vein quartz
145-160	"
160-175	"
175-190	Quartzite and chlorite schist — very light-gray to white, sheared, sericitic quartzite and sericite phyllite with dark-green, epidote-rich chlorite schist
190-205	"
205-220	"
220-235	" with minor amount of chlorite schist
235-250	" "
250-265	Chlorite schist — dark-green; chlorite, quartz, feldspar, epidote, and minor amount of pyrite
265-280	Quartz-chlorite schist — medium gray-green, medium grained; quartz, chlorite, sericite and pyrite
280-295	Quartz-sericite schist or quartzite — light-gray, fine grained; minor amounts of chlorite and pyrite

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295-300 Sericite-chlorite schist — medium-gray, with medium-grained, rounded quartz grains; minor amount of pyrite

300-310 No sample

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-80'	No samples	—
80-300'	Evington Group	Cambrian
300-310'	No sample	—

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

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

MAILING ADDRESS:

B 3667
Charlottesville, VA 22903

OFFICE ADDRESS:

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

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

TENANT: Tara Division, Well #2 Mailing Address: Chancellor, Va.

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

WELL LOCATION: County Orange (Locust Grove) Approx. 50 feet southwest (direction) of Birchside & Pine Valley Pine Valley Road and 400 feet southeast (direction) of Intersection

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

DATE STARTED: 30 November 1967 DATE COMPLETED: 2 December 1967

TYPE OF DRILL RIG USED: Rotary No. 66 TOTAL DEPTH 310 feet

WATER LEVEL: Stands 38 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 90 feet
5 inches from 90 to 310 feet
_____ inches from _____ to _____ feet
SCREEN SIZE: _____ inches from _____ to _____ feet

WATER ZONES: from 90 to 145 feet
from 195 to 196 feet
from 301 to 303 feet

_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
CASE SIZE: 5 inches from 0 + 1 to 90 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method Pressure
Cement & Water Material _____ Depth 90 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 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	85	Red clay	
85	90	Greenstone	
90	145	Soft greenstone	Water 3 GPM
145	195	Greenstone	
195	196	Weathered rock	Water 12 GPM (total estimate)
196	300	Greenstone (water increased from 12 GPM to 20 GPM)	
300	310	Green granite	Water @ 301'-303' (25 GPM estimate)

(Use additional forms if necessary)