

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B- 3667
C- Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Virginia Wildlife Clubs, Inc. Mailing Address: P. O. Box 631 - Springfield, Va.

TENANT: Lake of the Woods (Shenandoah #2) Mailing Address: Chancellor, Virginia

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: 1305 Brook Rd., Richmond, Va.

WELL LOCATION: County Orange Approx. 300 ^{feet}~~miles~~ west (direction) of
Harris Court and 400 ^{feet}~~miles~~ south (direction) of Queenwood 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: 12/10/68 DATE COMPLETED: 12/16/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 247 feet

WATER LEVEL: Stands 37 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method air lift
Drawdown 93 feet
Rate 15 gal. per min.
Duration 3 hrs., 0 min.

HOLE SIZE: 8 7/8 inches from 0 to 98 feet
5 inches from 98 to 247 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 100 to 102 feet
from 162 to 167 feet
from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER: Color clear Taste _____
Odor none Temp. _____ °F

CASE SIZE: 5 OD inches from +2 to 98 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method pressure
cement &
Material water Depth 98 feet

WATER ANALYSIS AVAILABLE: Yes _____ No X

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

DRILL CUTTINGS SAVED: Yes 11 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: 12/23/68

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	Topsoil	
1	22	Red clay	
22	87	Red sandy clay	
87	97	Soft greenstone	
97	100	White rock	water - 10 gpm @ 100'
100	162	Greenstone	
162	167	White rock	water-15 gpm @ total
167	247	Gray granite	

VIRGINIA DIVISION OF MINERAL RESOURCES
INTERVAL SHEET

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C- 91
Well Repository No: W-2411

Date rec'd: 1/16/69

Sample Interval: from 0 to: 247'

PROP: Virginia Wildlife Clubs, Inc.
(Lake of the Woods, Shenandoah Well #2)

Number of samples: 11

COMP: Sydnor Hydrodynamics, Inc.

Total Depth: 247'

COUNTY: Orange (Locust Grove)

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To
0 - 102	-	-	-
102 - 117	-	-	-
117 - 132	-	-	-
132 - 147	-	-	-
147 - 162	-	-	-
162 - 177	-	-	-
177 - 192	-	-	-
192 - 207	-	-	-
207 - 222	-	-	-
222 - 237	-	-	-
237 - 247	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples.

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

W-2411
C- 91
TOTAL DEPTH: 247'

GEOLOGIC LOG

Depth
in feet

0-102	Chlorite-muscovite schist or gneiss — greenish-gray, slightly calcareous, epidotized; quartz, saussuritized feldspar, chlorite, muscovite, and trace of pyrite
102-117	"
117-132	"
132-147	" with large amount of white vein quartz and calcite; trace of epidosite
147-162	Vein quartz — white, clear; a few fragments of mica schist
162-177	Chlorite-muscovite schist or gneiss — greenish-gray, slightly calcareous, epidotized; quartz, saussuritized feldspar, chlorite, muscovite, and trace of pyrite
177-192	Granite or gneiss — light gray, equa-granular; chlorite, muscovite, blue quartz, feldspar, and trace of pyrite
192-207	"
207-222	"
222-237	"
237-247	" with some weathered material

GEOLOGIC SUMMARY

Rock Unit

Age

Lynchburg Formation (?)

Precambrian

Virginia Division of Mineral Resources
T. M. Gathright, Geologist
January 23, 1969