OWNER: Virginia Wildlife Clubs, Inc., Lake of the Woods VDMR: 2047

(Sweetbrier Div., Well #5)

WWCR: 77

DRILLER: Sydnor Hydrodynamics, Inc.

TOTAL DEPTH:

2951

COUNTY: Orange Co. (Locust Grove)

265-295

No samples

## GEOLOGIC LOG

Depth in feet					
0-3	Saprolite — light grayish-tan, poorly-weathered and iron-oxide-stained fragments of vein quartz, gneiss and clay				
3-25	Granitic Gneiss — very light-gray, fine-grained, slightly foliated to granitic; feldspar, quartz and amphibole, with traces of chlorite and sericite; vein quartz				
25-40	. 11	·			
40-55	11	less vein quartz and feldspar			
55-70	H	gray; traces of vein quartz and feldspar			
70-85	tt ·	11			
85-100	П	(1			
100-115	H	11			
115-130	11	TI .			
130-145	11	11			
145-160	11				
160-175	<b>†1</b>	gray; minor amounts of vein quartz and feldspar			
175-190	· H	ff			
190-205	<del>-</del>	wnish-gray, aphanitic, crystalline; th minor amounts of granitic gneiss			
205-220	Granitic Gneiss — gray, fine-grained, slightly foliated to granitic; feldspar, quartz, and amphiboles, with traces of chlorite and sericite				
220-235	11				
235-250	11				
250-265	11				
2/5 205	NT I				

OWNER: Virginia Wildlife Clubs, Inc., Lake of the Woods

(Sweetbrier Div., Well #5)

#2047

## GEOLOGIC SUMMARY

	ROCK UNIT	AGE
0-31	Saprolite	
3-2651	Evington Group	Early Paleozoic
265-295'	No samples	<del></del>

Virginia Division of Mineral Resources Robert G. Willson, Geologist January 17, 1968

## COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

VDMR: 2047 WWCR: 77

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

REPORT

B 3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

clottesville, VA 22903

WATER WELL COMPLETION

Charlottesville, Virginia

OWNER: Virginia Wildlife Clubs, Inc.	Mailing Address: <u>Box 631, Springfield, Va</u>			
TENANT: Lake of The Woods, Sweetbrier Div.	Mailing Address: Chancellor, Virginia			
Well # DRILLER: Sydnor Hydrodynamics	_ Mailing Address: <u>Box 1476, Richmond, Virginia</u>			
WELL LOCATION: County Orange	Approx50 feeteast(direction) of			
York Town Blvd. and 350	feet south (direction) of Freedon Road			
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM COUNTY HIGHWAY OR OTHER MAP.)	TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC ON			
DATE STARTED: October 10, 1967	_DATE COMPLETED: October 20, 1967			
TYPE OF DRILL RIG USED: Rotary No.	. 66 TOTAL DEPTH 295 feet			
WATER LEVEL: Stands 28-1/2 feet below	surface <u>OR</u>			
has <u>NATURAL</u> flow of	gallons per minute.			
YIELD TEST: Method Submersible	HOLE SIZE:8-3/4 inches from 0 to 18 feet			
Drawdown feet	7-7/8 inches from 18 to 100 feet			
Rate 30 gal. per min.	_5inches from100to _295_feet			
Duration 8 hrs., min.	SCREEN SIZE:inches fromtofeet			
WATER ZONES: from 135 to 145 feet	inches fromtofeet			
from 190 to 205 feet	inches fromtofeet			
fromfeet	CASE SIZE: $5$ inches from $0 + 1$ to $100$ feet			
WATER: ColorTaste	inches fromtofeet			
Odor	inches fromtofeet			
WELL TO SUPPLY: (check one) Home	GROUTING: MethodPressure			
Farm Town School	cement &  Material <u>water</u> Depth 100 feet			
IndustryOther_Subdivision	PUMP: Type			
WATER ANALYSIS AVAILABLE: Yes X No	Capacitygal. per min			
DRILL CUTTINGS SAVED: Yes X No (DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNIS	Depth of intakefeet INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS SHED FREE OF CHARGE UPON REQUEST.)			
FLARKS:				

COMMONWEALTHOOD VIRGHNIA

FURNISHED BY: Sydnor Hydrodynamics, Inc. DATE: October 25, 1967

DEPTH (feet)		TYPE OF ROCK OR SOIL PENET	REMARKS AV (allivestral				
FROM	TO	(gravel, clay, etc., hardness, color	, etc.)	(water, caving, shot, screen, sample, etc.)			
0	3	Clay	Well#5	ENANT Lake of The Woods, Swee			
40	135	White quartz Greenstone Weathered rock		RILLER: Sydner Hydredynamics			
135 145	145	Weathered rock Greenstone Weathered greenstone		Water 10 GPM WOTA 301 113			
190 205	205 295	Weathered greenstone Greenstone		Water 15 GPM			
	7361.0	DATE COMPLETED! October 2		ATE STARTED: October 10, 190			
feet	295	66 TOTAL DEPTH	Cutery No.	VEE OF DRILL RIG USED:			
		90 surfiges		MTER LEVEL: Stands 28-1/2			
		ejtunim te q snottep		ARUTAN SOF			
6 91 <u>8 1</u>	o10	HOLE 512 E.8-3/4 nches from		ELU TEST Method Submersible			
551 <u>00</u>	61_8	ZaZiSinenas from L		1 nwo owo 10			
1561	100101	most_sensorc_		8 de30 gai por a			
e 91 <u>52 1</u> 2	101			n and 8 notions			
961	o1,			ATER ZONES: Grow 135 m.			
9 61	61			(1			
e = 1 _ 00	1 0154	CASE SIZE <u>5</u>		ronron			
19 9å	101	montasidon)		ATER Color			
sel Lilli	012			1000			
	97	GROUTING, Method Pressucement &		ELL TO SUPPLY (creek one) Home L			
	0.01n	Majoral Water Cor		FarmSchool			
		ageT 19MU9		Industry Other Subdiv			
nim i jek	ofeg			TER ANALYSIS AVAILABLEIVes I			
fee LTRIS				HLL CUTTINGS SAVED. Yes L RILL CUTTINGS SHOULD BE COLLECTED FRICE EXPRESS COLLECT SAMPLE BAGS			
				ARKS			

## INTERVAL SHEET

Pare of 1 WWCR: 77

VDMR Well No: 2047

Date rec'd:

11/20/67

Sample Interval: from 0

to:2651

PROP:

Va. Wildlife Clubs, Inc.

Number of samples:

(Lake of Woods, Sweetbrier Division Well #5)

18

COMP:

Sydnor Hydrodynamics

Total Depth:

2951

COUNTY:

Orange (Locust Grove)

Oil or Gas: Water:X Exploratory:

Fr	om	-To	Fre	om-To	From-To	From-To
0	-	3		-	-	-
3	-	25		-	-	· -
25	-	40		-	-	-
40	-	55		_	-	_
55	-	70		-	-	_
70	-	85		=	-	_
85	-	100		_	-	8
100	-	115		-	-	- ,
115		130		=	-	<b>-</b> / 151
130		145		-	-	
145	-	160		-	_ `	=
160	-	175		_	-	
175	-	190		-	-	=
190		205		_	-	_
205		220		-	_	
220	-	235		-	-	
235		250		-	_	
250	-	265		-	-	_
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All intervals have both washed and unwashed samples