OWNER: Virginia Wildlife Clubs, Inc., Lake of the Woods	<b>VDMR: 2046</b>
(Sweetbrier Division, Well #4)	WWCR: 76
DRILLER: Sydnor Hydrodynamics, Inc.	TOTAL DEPTH: 340 <sup>1</sup>
COUNTY: Orange (Locust Grove)	

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## GEOLOGIC LOG

Depth in feet

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0-3		sh-brown; poorly-weathered and iron-oxide gments of gneiss; clay
3-25		gray, fine-grained, slightly foliated and eldspar, amphiboles, sericite, quartz, chlorite, of garnet
25-40	11	
4 <b>0-</b> 55	11	
55-70	11	
70-85	11	with vein quartz
85-100	11	
100-115	11	with vein quartz
115-130	11	11
130 <b>-</b> 145	"	ш
145-160	microcryst sericite, b	lorite schist – gray, phyllitic, fine-grained, alline to cryptocrystalline, foliated, soft; iotite, chlorite, quartz, feldspar, amphiboles, and trace of calcite; slickensides
160 <b>-</b> 175	. 11	
175-190	11	more chlorite and amphibole
190-205	11	п
205-220	"	н
220-235	11	11
235-250	u.	11
250 <b>-</b> 265		11
265-280	**	11

OWNER:	Virginia Wildlife Clubs, Inc., Lake of the Woods		
(Sweetbrier Division, Well #4)			

280-295 Sericite-biotite-chlorite schist - gray, phyllitic, fine-grained, microcrystalline to cryptocrystalline, foliated, soft; sericite, biotite, chlorite, quartz, feldspar, amphiboles, serpentine, and trace of calcite; slickensides; more chlorite and amphibole

- 295-310 "
- 310-340 No sample

## GEOLOGIC SUMMARY

Rock Unit

0-3 <sup>1</sup>	Saprolite
3-310	Evington Group
310-340 <sup>‡</sup>	No samples

Early Paleozoic

#2046

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

Age

COMMONWEALTH	OF VIRGINIA WWCR: 76
	N AND ECONOMIC DEVELOPMENT
MAILING ADDRESS: DIVISION OF MIN	ERAL RESOURCES OFFICE ADDRESS: R, COMMISSIONER McCormick Road
C lottesville, VA 22903 WATER WELL CC	MPLETION REPORT Charlottesville, Virginia
OWNER: Virginia Wildlife Clubs, Inc.	
TENANT:Lake of The Woods, Sweetbrier Div.	Mailing Address: Chancellor, Virginia
DRILLER: Sydnor Hydrodynamics, Inc.	Mailing Address: Box 1476, Richmond, Va.
WELL LOCATION: County Orange	Dat Dat
Parliment Street and 1000	feet north (direction) of Freedom Road
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TW COUNTY HIGHWAY OR OTHER MAP.)	NO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC ON
DATE STARTED: October 5, 1967	DATE COMPLETED: October 10, 1967
TYPE OF DRILL RIG USED: Rotary No. 66	TOTAL DEPTH 340 feet
WATER LEVEL: Stands <u>38</u> feet below	surface <u>OR</u>
has NATURAL flow of	gallons per minute.
YIELD TEST: Method Submersible	HOLE SIZE: 8-3/4 inches from 0 to 50 feet
Drawdown feet	5 inches from 50 to 340 feet
Rate <u>6-3/4</u> gal. per min.	inches fromtofeet
Duration <u>8</u> hrs., min.	SCREEN SIZE:inches from tofeet
WATER ZONES: from 150 to 240 feet	inches fromtofeet
fromtofeet	inches fromtofeet
fromtofeet	CASE SIZE: 5 inches from $0 + 1$ to 50 feet
WATER: ColorTaste	inches fromtofeet
OdorTemp°F	inches fromtofeet
WELL TO SUPPLY: (check one) Home	GROUTING Method Pressure
Farm Town School	cement Moterial_and_waterDepth50feet
IndustryOtherSubdivision	PUMP: Type
WATER ANALYSIS AVAILABLE:Yes X No	Capacity gal. per min
DRILL CUTTINGS SAVED: Yes X No (DRILL CUTTINGS SHOULD BE COLLECTED AT IO FOOT IN OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHE	
RARKS:	

POR : HINGA

LOGITIASWAGMMOS

FUDNICHED	DV'
FURNISHED	BY:_

Sydnor Hydrodynamics, Inc.

\_\_\_\_\_\_ DATE: October 16, 1967

	et)	TYPE OF ROCK OR SOIL PENE	TRATED	REMARKS
FROM	то	(gravel, clay, etc., hardness, colo	r, etc.)	(water, caving, shot, screen, sample, etc.)
0 3 83 86 150 165 240	3 83 86 150 165 240 340	Weathered rock Soft greenstone	Lac. Lac. and LQCO	RIGLER Sylnor Hydrodynamics
	1967	ATE COMPLETED Cotober L	2	ATE STARTED October 5, 19
	340	HT 970 JAF07	ry No. (6	TOPE OF OPILE RIG USED. Rots
			wolad trae	ATER LEVEL: Storis 38
	0	HOLE 512518-370 Main 100		1610 TEST Menod Lubmersible
	£	Lemont parani		t cwobword
		mont_actions		Rore 6-3/4 United
		SCREEN SIZE		pBarn8poitbruß
		monteesses	40	ATEN ZONES NOM 150 10
		070 () \$6.96		
	ha	0.000 0125 0 00000000000000000000000000000		tion, moit
	Sector Re-	no 1		
		age (66/51) (2017)(1)		(m aT
	03	GROUTING MARKA PRESEN		ELL TO SUPPLY (check one) Fore
	10	coment mon and victor		foodo2nwToto3
		sayr amuq	n <b>oi</b> a.	Adverte Other Subdivi
				A ER AVALYSIS AVALLARI ELYALL
		mounte atgaline		ALL OUTTINGS SAVED YEL
	n (03330).		um 1007 01 10	RILL CULTINGS SHOULD BE COLLECTED FFICE EXERELS COLLECT SAMPLE RASS
				A SKA

INTERVAL SHEET

	WWCR: 76
Page 1 of 1	VDMR Well No: 2046
Date rec'd: 11/20/67	Sample Interval: from 0 to: 310
PROP: Va Wildlife Clubs, Inc (Lake of Woods, Sweetbrier Division Well)	Number of samples: 21
COMP: Sydnor Hydrodynamics	Total Depth: 340'
COUNTY: Orange (Locust Grove)	Oil or Gas: WaterX Exploratory:

From-To From-To From-To From-To 0 3 \_ -25 3 \_ -25 40 -40 55 \_ 55 70 -70 - 85 85 - 100 100 - 115 - 130 115 130 - 145 - 160 145 160 - 175 175 - 190 190 - 205 205 - 220 220 - 235 235 - 250 250 - 265 265 - 280 280 - 295 295 - 310 -----

All intervals have both washed and unwashed samples

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