OWNER: Virginia Wildlife Clubs, Inc., Lake of the Woods VDMR: 2045 (Sweetbrier Div., Well #3) WWCR: 75 DRILLER: Sydnor Hydrodynamics, Inc. TOTAL DEPTH: 300' COUNTY: ORANGE (Locust Grove)

GEOLOGIC LOG

Depth in feet

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0-10	Hornblende gabbro — greenish-gray, fine-grained, non-lineated; feldspar, hornblende and other amphiboles, chlorite, biotite and quartz		
10-20	**		
20-30	н		
30-40			
40-50			
50-60			
60-70	11		
70-80	Granite –gneiss — gray, fine-grained, slightly foliated; feldspar, quartz, amphiboles, and trace of chlorite		
80-90	n		
90-100			
100-110	No sample		
110-120	Granite -gneiss — greenish-gray, fine-grained, slightly foliated; feldspar, amphiboles, quartz, and trace of chlorite		
120-130	11		
130-140	" with vein quartz		
140-150	13 11		
150-160	¹¹ ¹¹ .		
160-170	11		
170-180	11		
180-190	11		
190-200	11		

OWNER:	Virginia Wildlife Clubs, Ir (Sweetbrier Div., Well #3		#2045
200-210	Granite-gneiss — greenish-gray, fine-grained, slightly foliated; feldspar, amphiboles, quartz, and trace of chlorite		
210-220	п	with talc	
220-230	11		
230-240	"	with talc and serpentine; le	ss quartz
240-250	11	11	
250-260	n	11	
260-270			
270-280	fine-grained,	st — greenish-gray, gneiss foliated; chlorite, sericite, serpertine, and vein quartz	
280-290	u .		
290-300	н		
	CEC	TOCIC SUMMARY	

GEOLOGIC SUMMARY

ROCK UNIT

AGE

0-300'

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Evington Group

Early Paleozoic

Virginia Division of Mineral Resources Robert G. Willson, Geologist January 16, 1968

COMMONWEALTH	WWOIL 15
MAILING ADDRESS: DIVISION OF MIN JAMES L. CALVER	N AND ECONOMIC DEVELOPMENT ERAL RESOURCES OFFICE ADDRESS: R, COMMISSIONER McCormick Road OMPLETION REPORT Charlottesville, Virginia
OWNER: <u>Virginia Wildlife Clubs</u> , Inc. Lake of The Woods TENANT: <u>Sweetbrier Division</u> , Well #3	
DRILLER: Sydnor Hydrodynamics, Inc.	Mailing Address B-1476 - Richmond, Virginia
WELL LOCATION: CountyOrange	Approx. 300 feet East (direction) of
Liberty Blvd. and 450	feet In Park Area
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TO COUNTY HIGHWAY OR OTHER MAP.)	NO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC ON
DATE STARTED: 5 October 1967	
TYPE OF DRILL RIG USED: Rotary	No. 67 TOTAL DEPTH 300 feet
WATER LEVEL: Stands <u>39</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 to 50 feet
Drawdown feet	<u>5</u> inches from <u>50</u> to <u>300</u> feet
Rate <u>16</u> gal. per min.	inches fromtofeet
Duration <u>8</u> hrs., min.	SCREEN SIZE:inches fromtofeet
WATER ZONES: from 105 to 106 feet	inches fromtofeet
from <u>174</u> to <u>175</u> feet	inches fromtofeet
from <u>221</u> to <u>224</u> feet	CASE SIZE: 5_inches from 0 + 2 to 50 feet
WATER: ColorTaste	inches fromtofeet
OdorTemp°F	inches fromtofeet
WELL TO SUPPLY: (check one) Home	GROUTING Method Pressure
Farm Town School	Cement & Material <u>Water</u> Depth <u>50</u> 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 IO FOOT IN OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHE	
FOARKS:	

VDMR 2045 WWCR 75

AINTORIV

McConnick Road

MARS' L. CALVER, COMMISSIONER

(fee FROM 0 2 3	то 2 сій	(gravel, clay, etc., hardness, color	, etc.)	(water, caving, shot, screen, sample, etc.)
2 3	and the second state of the second state of the		Contraction of the second states of the second states of the second states of the second states of the	
2 3	and the second state of the second state of the	Top soil	1 N 1	TEN NT _Swaetbrier D.vision, V.1
12	3 105	DatcClay A Contract A parties		SRIEBER, Sydnor Hydrey yamles. J
105	106			NELL LOCATION' COMP. CLADES
106 135	135 174		<u></u>	
174 175	175 221	Soft streak, white & green m Hard gray granite	2.1990년 - 1947년 A	SIVE DIRECTION AND DISTANCE IN FEET OR COUNTY HIGHWAY OR OTHER MAP.)
221	224 300	Soft streak Hard granite		DATE STARTENS October 195
224 1991	300.	natu granite	V1	TYRE OF DRILL RIG USED ROCA
		<u>90</u> eptitus	wolled tea	NATER LEVEL: Stendy 32.
		atonim and encling		<u>ABUTAV</u> son
		mont_senons_12_8_27_4/nons_from	9.	NELD TEST Mered Submersib
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19.61	0.1	SCREEM SIZE		n
teat				VATER ZONES Non 1.05
1991		moit_seton		1 17 <u>4</u> 17 <u>4</u>
		E.Omon, agroniC. 3218 2340		
				staat
1001		mont andoni		
		GROSTING KANG <u>Pressure</u>		ELL CO SUPPLY'(chack one) Hame
1993	<u>S</u> 84	A of a Later A star A s		Form Town School
		PUMP (you		Mauster Other Subdivis
Arminen Feel	102			ATER ANALYSIS AVAILABLE THE 2
	т дзяана	TERVALS THESE SAMPLES MAY BE	AT TO FOOT OF TA	RILL CUTTINGS SAVED: 1412 Drill Cuttings should be collected office express collect, cample bags
				anks
		1		

(Use additional forms if necessary)

WWCR: 75

INTERVAL SHEET

Page 1 of 1	VDMR Well No: 2045
Date rec'd: 11/17/67	Sample Interval: from 0 to: 300'
PROP: Va. Wildlife Clubs, Inc., Lake of the Woods (Sweetbrier Div., Well #3)	Number of samples: 29
COMP: Sydnor Hydrodynamics, Inc.	Total Depth: 300'
COUNTY: Orange (Locust Grove)	Oil or Gas: Water:XExploratory:

From	-To	From-To	From-To	From-To
0 -	10		-	-
10 -	20	-	-	· -
20 -	30	_	-	-
30 -	40	-	-	
40 -	50	-	-	·
50 -	60	-	-	-
60 -	70	-	-	-
70 -	80	-	-	-
80 -	90	-	-	i i i i i i i i i i
90 -	100	-	-	
-		, - .	-	-
110 -	120	-	-	-
120 -	130	_	-	-
130 -	140		-	-
140 -	150	-	-	- ·
150 -	160	-	-	·
160 -	170	-	-	-
170 -	180	-	-	-
180 -	190		-	-
190 -	200	-	-	-
200 -	210	-	-	-
210 -	220	-	-	-
220 -	230	-	-	-
230 -	240		-	-
240 -	250	-	-	-
250 -	260	-	-	y
260 -	270	-	-	-
270 -	280	-		
280 -	290	-	_	-
290 -	300	-		· · ·

All intervals have both washed and unwashed samples