## COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

B 3667 JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS: McCormick Road

lottesville, VA 22903 WATER WELL COMPLETION REPORT

Charlottesville, Virginia

77: : : 717:1 11:0 61 1 -	Molos, szembrod, eta (vole, levely)  Mailing Address: P. O. Box 631- Springfield, Va.
TENANT: Lake of the Woods (Tall Pines #1)	Mailing Address: Chancellor, Virginia
DRILLER: Sydnor Hydrodynamics, Inc.	Mailing Address: 1305 Brook Rd., Richmond, Va.
	Approx. 300 feet east (direction) of
Edgemont Circle and 300	feet shousnessing bornelines W north (direction) of Lakeview Parkway
(GIVE DIRECTION AND DISTANCE IN ) FEET OR MILES FROM TOUNTY HIGHWAY OR OTHER MAP.)	WO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC ONL
DATE STARTED: 11/26/68	DATE COMPLETED: 12/4/68
TYPE OF DRILL RIG USED: air rotary	TOTAL DEPTH 225 feet
WATER LEVEL: Stands 50 feet below	surface <u>OR</u>
has <u>NATURAL</u> flow of_	gallons per minute.
YIELD TEST: Methodair lift	HOLE SIZE: 10 3/4nches from 0 to 60 feet
Drawdown82feet	6 1/2 inches from 60 to 225 feet
Rate 10 gal. per min.	inches fromtofeet
Duration 2 hrs., 0 min.	SCREEN SIZE:inches fromtofeet
WATER ZONES: from 68 to 70 feet	inches fromtofeet
fromtotofeet	inches fromtofeet
fromtofeet	CASE SIZE: 7 OD inches from +2 to 60 feet
WATER: Color Toste	inches fromtofeet
Odor <u>none</u> Temp	inches fromtofeet
WELL TO SUPPLY: (check one) Home	GROUTING: Methodpressure
Farm Town School	cement & Material <u>water</u> Depth 60 feet
IndustryOthersubdivision	PUMP: Type
WATER ANALYSIS AVAILABLE:YesNo_X_	Capacitygal. per min
DRILL CUTTINGS SAVED: Yes 12 No (DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT I OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHE	
ARKS:	*

COMMONWEALTHOOLF VIRGINIA

FURNISHED BY: Sydnor Hydrodynamics, Inc. DATE: 12/16/68

G= 93

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRA	ATED REMARKS
ROM	то	( gravel, clay, etc., hardness, color, e	tc.) (water, caving, shot, screen, sample, etc.)
0 1	1 25	Topsoil Red clay	MANT Lake of the Woods (Tall Poses #1)
25	55	Brown sand clay	
55 68 70	68 70 140	Greenstone Weathered greenstone Greenstone	
140 142	142	G- 33-13-13-13	MORS 23.MM Rwater (10 gpm) 46 GMA MOLTOSRIG 3V
		DATE COMPLETED: 12/4/68	TE STARTED: 11/26/68
	_225		PE OF DRILL RIG USED: SIT TOTALY
			TER LEVEL' Stonds 50   Seet bytow
			to work ARUTAN son
	0 d	HOLE SIZE 10 3 Friches from U	ELD TEST Mothod Siz Lift
		6 1/2metrus tram 6	rest St need over
eat.			180 107 C1 810E
			Duration 2 ma Durat
			TER ZONES: from 68 to 70 tout
			Test Sel of Obl. mon
		CASE SIZE: 7 OD neng, train	
			Tank of wart
101	0 7		TERI Calor, Clear Tusin
951			PF QUIT DICK 1000
		GROUTING Method present	LL TO SUPPLY (check one) Home
597	00 4	Maley Walter Der	FormTowatBchool
			Industry State State State
om tue	tep		TER ANALYSIS AVAILABLE YesNo
981 21HT	MIPPED TO		LL GUTTINGS SAVED YES 22.00  ILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT FIGE EXPRESS COLLECT SAMPLE BAGS ARE FURNIS  ARKS:

# VIRGINIA DIVISION OF MINERAL RESOURCES INTERVAL SHEET

C-93 1 of 1 Well Repository No: W-2409 Sample Interval: from 25 Date rec'd: 1/16/69 to: 220' PROP: Number of samples: 12 Virginia Wildlife Clubs, Inc. Lake of the Woods (Tall Pines Well #1) Total Depth: 2251 COMP: Sydnor Hydrodynamics, Inc. Oil or Gas: Water: X Exploratory: COUNTY: Orange (Locust Grove) From-To From-To From-To From-To 25 -40 40 -67 67 -85 85 -100 100 -115 115 -130 130 -145 145 -160 160 -175 175 -190 190 -205 205 -220

All intervals have both washed and unwashed samples.

OWNER: Virginia Wildlife Clubs, Inc.

(Lake of the Woods, Tall Pines #1)

DRILLER: Sydnor Hydrodynamics, Inc.

COUNTY: Orange (Locust Grove)

C- 93 TOTAL DEPTH - 225

W-2409

#### GEOLOGIC LOG

Depth in feet

130-145

0-25 No samples

### LYNCHBURG FORMATION (25-145') ?

25-40	and w	ite — light brown, sandy, micaceous saprolite eathered sericite phyllite fragments; small ats of vein quartz and red clay
40-67	brown quartz	s — light greenish-gray, weathered to light, equa-granular; saussuritized feldspar, a, biotite, muscovite; small amount of ovite phyllite
67-85	11	
85-100	п	
100-115	n .	with one fragment of garnetiferous biotite gneiss
115-130	11	very micaceous

#### CATOCTIN FORMATION (145-220) ?

145-160	Muscovite-biotite schist - dark greenish-gray, slightly		
	calcareous, epidotized; fragments of saussuritized		
	feldspar and crystalline pyrite		

Biotite gneiss, muscovite schist, and sericite phyllite -

small amounts of vein quartz and pyrite

sample is light greenish-gray, calcareous, and about equally divided between the three rock types;

Metamorphosed basalt (?) — dark gray-green, schistose to massive amphi bolitic schist; biotite & hornblende, feldspar, chlorite, and muscovite; traces of pyrite, epidote, and saussuritized feldspar fragments

	, Inc. W-2409 all Pines #1)			
175-190	Metamorphosed basalt (?) — dark gray-green, schistose to massive amphibolitic schist; biotite or horn-blende, feldspar, chlorite, and muscovite; traces of pyrite, jasper, smoky quartz, epidote, and saussuritized feldspar fragments			
190-205				
205-220				
220-225				
GEOLOGIC SUMMARY				
	Age			
0-25 <sup>1</sup> 25-145 <sup>1</sup> 145-220 <sup>1</sup>	tion (?)  Precambrian  Precambrian (?)			
0-25 <sup>1</sup> 25-145 <sup>1</sup>	OLOGIC SUMMARY  Age  tion (?)  Precambrian			

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