COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS: DIVISION OF MIN B 3667 JAMES L. CALVE Colottesville, VA 22903 WATER WELL C	R, COMMISSIONER McCormick Road
Dept. of Conserv. & Econ. Develop. OWNER: Division of Parks	r quavel trave vic hardness, color,
TENANT: Occoneechee State Park, Well #1	Mailing Address: Box 818, Clarksville, VA 23927
DRILLER: C. C. Powell and Sons, Inc.	Mailing Address: Drawer A-E, Victoria, VA 23974
WELL LOCATION: CountyMceklenburg	Approx. 1 1/2 ***** NE (direction) of
Clarksville 1/2	xxxxx S (direction) of U.S. Hwy. 58
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TOUNTY HIGHWAY OR OTHER MAP.)	
DATE STARTED: February 23, 1971	DATE COMPLETED: March 15, 1971
TYPE OF DRILL RIG USED: Rotary Air	TOTAL DEPTH 200 feet
WATER LEVEL: Standsfeet below	
has <u>NATURAL</u> flow of_	gallons per minute. GEL GEL
YIELD TEST: Method*	HOLE SIZE: 6 1/4 inches from 0 to _200 feet
Drawdown feet	nches fromtofeet
Rategal. per min.	inches fromtofeet
Durationhrs.,min.	SCREEN SIZE:inches fromtofeet
WATER ZONES: fromtofeet	inches fromtofeet
fromtofeet	inches fromtofeet
fromtofeet	CASE SIZE: 6 1/4 inches from 0 to 7 feet
WATER: ColorTaste	inches fromtofeet
Odor	inches fromtofeet
WELL TO SUPPLY: (check one) Home	GROUTING: Method None
Farm Town School	Material Depth feet
IndustryOther	PUMP: Type
WATER ANALYSIS AVAILABLE:YesNo	Capacitygal. per min
DRILL CUTTINGS SAVED: Yes 20 No (DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISH	
ARKS: * This was a complete dry hole	

COMMONWEALTDOLF VIRGINIA

FURNISHED BY: C. C. Powell and Sons, Inc. DATE: April 13, 1971

(feet)		TYPE OF ROCK OR SOIL PENETS	REMARKS REMARKS	
FROM	TO s	(gravel, clay, etc., hardness, color,	etc.) moleved	(water, caving, shot, screen, sample, etc.
7 0 2 3	AV10ell	Red clay 18 xo8	Well #1	FRANKT Ochoneschee State Park.
10	20	- 11		
20	30	ALL SALES AND		RILLER C. C. Powell and Scan. 1
30	40	Access 1 1/2 XXXX NE "		ELU LOGATION COUNTS Meeklenb
40	50	4		l'
50 60	60 70	n (northerny) selven	V	Claritavillo
70	80	TWO REFERENCE POINTS - ROADS, TOWNS.		AVE DIRECTION AND DISTANCE IN FEET OR
80	90	TI TI		COUNTY HIGHWAY OR WIHER WAP I
90	100	DATE COMPLETED MATERI	TZ 6	ATE STARTEL February 23, 1
100	110	H A TATAT	ary Air	YPE OF DRILL RIG USED RO
110	120	F-100		HER OF THE LOUISING SOCIETY
120	130	HO 8201102	F0.90 109	ATER LEVEL! Stoods
1 3 0 1 4 0	140 150	II		1 = 0 = 1.00
150	160	II contain sec socios	_10 W0/1 <u></u>	
160	170	HOLE SIZE 6 11/4 manes trans		IELD IEST Memod
170	180	III		
180	190	Gray with trace of mica		
190	200	NTT FEMORE		rag lapstaff
/s e1	01	SCREEN SIZErenes from		Darottontrs
lest	81			ATER ZONES from
	o Ii	none from	1001	31movi
teet T	or0	CASE SIZE: 6 1/4 mones from		01
	01			ATER: Color
	91	most sedan.	75	DderTemp
		GROUTING Webed None		ELL TO SUPPLY (check one) Home
test	(1)	aClocateM		FormSchoo
		PUMP: Type		Industry
	100	VIID BY 0 S		ATER ANALYSIS AVAILABLE YG.
		Cepth of intake		NILL CUTTINGS SAVED. YOLL
		IN TERVE S THESE SAMPLES MAY BE		RILL CUTTINGS SHOULD BE COLLECTED FFIGE EXPRESS COLLECT SAMPLE BAG
		Applica * This was a complete fire bule		
				E AHAC
				11
	l	(Use additional forms	12	V.

VIRGINIA DIVISION OF MINERAL RESOURCES Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

C-86
Page 1 of 1 Well Repository No: 3136

Date rec'd: 4/16/71 : processed 4/21/71 Sample Interval; from 0 to: 200'

PROPERTY: Va. Div. of Parks Number of samples: 20

(Occoneechee State Park #1)

COMPANY: C. C. Powell & Sons Total Depth: 200'

COUNTY: Mecklenburg (Clarksville) Oil or Gas: Water:x Exploratory:

1				
	From-To	From-To	From-To	From-To
	0 _ 10	-	-	-
	10 _ 20	-	(-)	-
	20 _ 30	-	-	_
	30 _ 40		(-)	-
	40 _ 50	~	-	
	50,5 b+ 4 556			
)	50 _ 60	-	2 - 2	-
	60 _ 70	-	=	=
	70 _ 80	-	-	-
	80 _ 90	-	-	-
	90 _ 100	~	5 	-
	100 110			
	100 _ 110	-	=	
	110 _ 120	-		-
	120 _ 130	-	· - :	-
	130 _ 140 140 _ 150	, "	*	-
	140 _ 150	-	Ť	-
	150 _ 160			
	160 _ 170	-	-	-
	170 _ 180	-	-	-
	180 _ 190	=	121	-
	190 _ 200	-	-	-
	170 - 200	-		-
	ē. 	-	(#)	
	-	_	-	-
	-	-	-	
1	2		_	-
1	AT:	4 5.	()	-

All intervals have both washed and unwashed samples

OWNER: Va. Div. of Parks (Occoneechee State Park #1) VDMR # 3136 DRILLER: C. C. Powell and Sons WWCR # 86 COUNTY: Mecklenburg (Clarksville) TOTAL DEPTH:200'

GEOLOGIC LOG

Depth (feet)	
0-10	Saprolite - light tan; with quartz and muscovite
10-20	Granite — brownish-gray, medium-grained; with quartz, biotite, plagioclase, potassium feldspar (?) and pyrite
20-30	" without pyrite
30-40	; with limonite stains on some fragments
40-50	Granite — medium grained with gray-black ground mass; with quartz, plagioclase, biotite, potassium feldspar; limonite stains on some fragments
50-60	Granite — light-gray, medium grained; with quartz, biotite, plagioclase, potassium feldspar (?), and muscovite; limonite stains on some fragments
60-70	Granite — pinkish-gray, medium grained; with quartz, biotite, potassium feldspar and plagioclase
70-80	with muscovite
80-90	Granite — light-gray, medium grained; with quartz, biotite, plagioclase and potassium feldspar (?); with limonite stains on some fragments
90⊶100	tt s
100-110	" pinkish-gray; with pyrite
110-120	11
120-130	11
130-140	II .

OWNER: Va. Div. of (Occoneech)	Parks ee State Park #1)	-2-	VDMR # 3136
	se and potassium	um grained; with of feldspar (?); with	quartz, biotite, limonite stains on
150-160 "			
160-170			
170-180 "			
180-190	with limonite ps	eudomorph after p	vrite

GEOLOGIC SUMMARY

and pyrite

Depth (feet)	Rock Unit	Age
0-10'	Saprolite	_
10-200	Hyco-quartz porphyry	Paleozoic (?)

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190-200

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Virginia Division of Mineral Resources Paul G. Nystrom, Jr., Geologist April 27, 1971