

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:  
Box 3667  
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES  
JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:  
McCormick Road  
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

Dept. of Conserv. & Econ. Develop.  
OWNER: Division of Parks Mailing Address: Richmond, Virginia

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: County Mceklenburg Approx. 1 1/2 ~~xxxxx~~ miles NE (direction) of Clarksville and 1/2 ~~xxxxx~~ miles S (direction) of U.S. Hwy. 58

(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC. - ON COUNTY 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: Stands \_\_\_\_\_ feet below surface OR has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method \*  
Drawdown \_\_\_\_\_ feet  
Rate \_\_\_\_\_ gal. per min.  
Duration \_\_\_\_\_ hrs., \_\_\_\_\_ min.

HOLE SIZE: 6 1/4 inches from 0 to 200 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_  
Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

CASE SIZE: 6 1/4 inches from 0 to 7 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WELL TO SUPPLY: (check one) Home \_\_\_\_\_  
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_  
Industry \_\_\_\_\_ Other \_\_\_\_\_

GROUTING: Method None  
Material \_\_\_\_\_ Depth \_\_\_\_\_ feet

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No \_\_\_\_\_

PUMP: Type \_\_\_\_\_  
Capacity \_\_\_\_\_ gal. per min  
Depth of intake \_\_\_\_\_ feet

DRILL CUTTINGS SAVED: Yes 20 No \_\_\_\_\_

(DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHED FREE OF CHARGE UPON REQUEST.)

REMARKS: \* This was a complete dry hole

FURNISHED BY: C. C. Powell and Sons, Inc.

DATE: April 13, 1971

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (wafer, caving, shot, screen, sample, etc.)
FROM	TO		
0	10	Red clay	
10	20	"	
20	30	White soft	
30	40	"	
40	50	"	
50	60	"	
60	70	"	
70	80	"	
80	90	"	
90	100	"	
100	110	"	
110	120	"	
120	130	"	
130	140	"	
140	150	"	
150	160	"	
160	170	"	
170	180	"	
180	190	Gray with trace of mica	
190	200	"	

(Use additional forms if necessary)

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

INTERVAL SHEET

Page 1 of 1

C-86

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  
(Occoneechee State Park #1)

Number of samples: 20

COMPANY: C. C. Powell & Sons

Total Depth: 200'

COUNTY: Mecklenburg (Clarksville)

Oil or Gas: Water; ~~x~~ Exploratory:

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	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
110 - 120	-	-	-
120 - 130	-	-	-
130 - 140	-	-	-
140 - 150	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples



OWNER: Va. Div. of Parks (Occoneechee State Park #1)  
DRILLER: C. C. Powell and Sons  
COUNTY: Mecklenburg (Clarksville)

VDMR # 3136  
WWCR # 86  
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	"
100-110	" pinkish-gray; with pyrite
110-120	"
120-130	"
130-140	"

140-150	Granite – light-gray, medium grained; with quartz, biotite, plagioclase and potassium feldspar (?); with limonite stains on some fragments
150-160	"
160-170	"
170-180	"
180-190	" with limonite pseudomorph after pyrite
190-200	" " and pyrite

#### GEOLOGIC SUMMARY

<u>Depth (feet)</u>	<u>Rock Unit</u>	<u>Age</u>
0-10'	Saprolite	–
10-200'	Hyco-quartz porphyry	Paleozoic (?)

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