

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:
B 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: Oconeechee State Park, Well #2 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 Mecklenburg Approx. 1 1/4 ~~xxx~~ miles NE (direction) of
Clarksville and 1/2 ~~xxx~~ 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: March 17, 1971 DATE COMPLETED: March 23, 1971

TYPE OF DRILL RIG USED: Rotary Air TOTAL DEPTH 350 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 350 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
SCREEN SIZE: _____ inches from _____ to _____ feet

WATER ZONES: from _____ to _____ feet
from _____ to _____ feet
from _____ to _____ feet

CASE SIZE: 6 1/4 inches from 0 to 4 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER: Color _____ Taste _____
Odor _____ Temp. _____ °F

GROUTING: Method _____
Material _____ Depth _____ feet

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

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

WATER ANALYSIS AVAILABLE: Yes _____ No _____
DRILL CUTTINGS SAVED: Yes 35 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 completely dry hole

W-3137
C-87

COMMONWEALTH OF VIRGINIA LOG

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 (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	10	Sandy clay	
10	20	White gravel	
20	30	Grayish white	
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	Gray to black	
170	180	"	
180	190	"	
190	200	"	
200	210	Gray to black and hard	
210	220	Blue granite	
220	230	"	
230	240	"	
240	250	"	
250	260	"	
260	270	"	
270	280	"	
280	290	"	
290	300	"	
300	310	"	
310	320	"	
320	330	"	
330	340	"	
340	350	"	

(Use additional forms if necessary)

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

INTERVAL SHEET

Page 1 of 1 Well Repository No: C-87 3137
 Date rec'd: 4/16/71 ; processed 4/21/71 Sample Interval: from 0 to: 350'
 PROPERTY: Va. Div. of Parks (Occoneechee State Park #2) Number of samples: 35
 COMPANY: C. C. Powell & Sons Total Depth: 350'
 COUNTY: Mecklenburg (Clarksville) Oil or Gas: Waterx Exploratory:

From-To	From-To	From-To	From-To
0 - 10	250 - 260	-	-
10 - 20	260 - 270	-	-
20 - 30	270 - 280	-	-
30 - 40	280 - 290	-	-
40 - 50	290 - 300	-	-
50 - 60	300 - 310	-	-
60 - 70	310 - 320	-	-
70 - 80	320 - 330	-	-
80 - 90	330 - 340	-	-
90 - 100	340 - 350	-	-
100 - 110	-	-	-
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	-	-	-

All intervals have both washed and unwashed samples



OWNER: Va. Div. of Parks (Occoneechee State Park, #2)
DRILLER: C. C. Powell and Sons
COUNTY: Mecklenburg (Clarksville)

VDMR # 3137
WWCR # 87
TOTAL DEPTH : 350'

GEOLOGIC LOG

Depth
(feet)

0-10	Saprolite and biotite granite – light-tan saprolite, with quartz and muscovite; biotite granite is weathered, light gray, medium grained, equigranular and contains quartz, biotite, greenish-gray plagioclase and iron-oxide stains
10-20	Biotite granite – as above, partially weathered
20-30	Biotite granite – light gray, medium-grained, equigranular; with quartz, biotite, greenish-gray plagioclase, and iron-oxide stains
30-40	"
40-50	" with trace of apatite (?)
50-60	"
60-70	"
70-80	" with trace of apatite (?)
80-90	"
90-100	"
100-110	"
110-120	"
120-130	"
130-140	"
140-150	"
150-160	"

OWNER: Va. Div. of Parks -2-
(Occoneechee State Park, #2)

VDMR # 3137
WWCR # 87

160-170	Felsite Porphyry – fine grained, brownish gray; with quartz, potassium and sodium feldspars, biotite, pyrite, magnetite and zircon; a few iron-oxide stains
170-180	"
180-190	"
190-200	"
200-210	"
210-220	"
220-230	"
230-240	"
240-250	"
250-260	"
260-270	"
270-280	"
280-290	"
290-300	"
300-310	"
310-320	"
320-330	"
330-340	"
340-350	"

GEOLOGIC SUMMARY

<u>Depth (feet)</u>	<u>Rock Unit</u>	<u>Age</u>
0-350	Hyc-quartz porphyry	Paleozoic (?)

Virginia Division of Mineral Resources
Paul G. Nystrom, Jr., Geologist
April 23, 1971