

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2451
C- 79

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B 3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

OWNER: USA Corps of Eng. - Kerr Project Mailing Address: Boydton, Virginia

TENANT: Ivy Hill - location 3 Mailing Address: "

DRILLER: Rankin Williamson Mailing Address: Buffalo Junction, Virginia

WELL LOCATION: County Mecklenburg Approx. 1 ~~xxxx~~ miles northeast (direction) of
Richardson and 1/4 ~~xxxx~~ miles north (direction) of St. Rd. 825

(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC. - ON COUNTY HIGHWAY OR OTHER MAP.)

DATE STARTED: 11/20/68 DATE COMPLETED: 11/25/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 250 feet

WATER LEVEL: Stands feet below surface OR
has NATURAL flow of gallons per minute.

YIELD TEST: Method pumped
Drawdown feet
* Rate 7 1/2 gal. per min.
Duration 12 hrs., 0 min.

HOLE SIZE: 9 inches from 0 to 23 feet
6 inches from 23 to 250 feet
 inches from to feet

WATER ZONES: from 47 to 48 feet
from 170 to 171 feet
from to feet

SCREEN SIZE: inches from to feet
 inches from to feet
 inches from to feet

WATER: Color clear Taste
Odor none Temp. °F

CASE SIZE: 6 1/4 inches from 0 to 23 feet
 inches from to feet
 inches from to feet

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

GROUTING: Method
Material cement Depth feet

WATER ANALYSIS AVAILABLE: Yes No X

PUMP: Type submersible
Capacity 7 1/2 gal. per min
Depth of intake feet

DRILL CUTTINGS SAVED: Yes 25 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: * 4 gpm @ 80' by air lift
4 gpm @ 120' by air lift
7 1/2 gpm @ 180' by air lift
7 1/2 gpm @ 250' by air lift

(LOG OF WELL) OVER

LOG

FURNISHED BY: Rankin Williamson

DATE:

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	5	Moist yellow clay	
5	5 1/2	White flint rock	
5 1/2	18	Brown sand	
18	45	Medium hard granite	
45	163	Granite	
163	180	Blue slate	
180	250	Granite, medium hard	

(Use additional forms if necessary)

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

INTERVAL SHEET

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Well Repository No: W-2451

Date rec'd: 2-4-69

Sample Interval: from 10 to: 250'

PROPERTY: USA Corps of Eng. - Kerr Project
(Ivy Hill - location 3)

Number of samples: 25

COMPANY: Rankin Williamson

Total Depth: 250'

COUNTY: Mecklenburg (Richardson)

Oil or Gas: Water: ~~X~~Exploratory:

From-To	From-To	From-To	From-To
-	249 - 250	-	-
10 - 11	-	-	-
20 - 21	-	-	-
30 - 31	-	-	-
40 - 41	-	-	-
50 - 51	-	-	-
60 - 61	-	-	-
70 - 71	-	-	-
80 - 81	-	-	-
90 - 91	-	-	-
100 - 101	-	-	-
110 - 111	-	-	-
120 - 121	-	-	-
130 - 131	-	-	-
140 - 141	-	-	-
150 - 151	-	-	-
160 - 161	-	-	-
170 - 171	-	-	-
180 - 181	-	-	-
190 - 191	-	-	-
200 - 201	-	-	-
210 - 211	-	-	-
220 - 221	-	-	-
230 - 231	-	-	-
240 - 241	-	-	-

All intervals have both washed and unwashed samples.



OWNER: USA Corps of Eng. - Kerr Project
(Ivy Hill - location 3)
DRILLER: Rankin Williamson
COUNTY: Mecklenburg (Richardson)

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TOTAL DEPTH- 250'

GEOLOGIC LOG

Depth
in feet

0-10	No sample
10-11	Saprolite— reddish-tan; weathered and iron-oxide stained, medium grained; quartz, feldspar, clay and mica
20-21	Weathered granite — tan; slightly weathered and iron-oxide stained, medium to coarse grained, non-foliated; feldspar, quartz and biotite
30-31	Biotite granite — gray; medium to coarse grained, non-foliated; feldspar, quartz and biotite, with traces of epidote (?) and blue quartz
40-41	"
50-51	"
60-61	"
70-71	"
80-81	" a few slightly iron-oxide stained fragments
90-91	" "
100-101	"
110-111	"
120-121	" tannish-gray, slightly iron-oxide stained
130-131	"
140-141	" tannish-gray, slightly iron-oxide stained
150-151	"
160-161	" sheared

