

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2450
C- 78

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

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Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

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

TENANT: (Eagle Point - loc. 2, well #2) Mailing Address: "

DRILLER: Rankin Williamson Mailing Address: Buffalo Junction, Virginia

WELL LOCATION: County Mecklenburg Approx. 4 1/2 ~~miles~~ miles south (direction) of
Boydton and 1/2 ~~feet~~ miles past end (direction) of St. Rd. 705

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

DATE STARTED: 11/8/68 DATE COMPLETED: 11/11/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 142 feet

WATER LEVEL: Stands _____ feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method pumped

Drawdown _____ feet

* Rate 13 1/2 gal. per min.

Duration 12 hrs., 0 min.

WATER ZONES: from 70 to 71 feet

from 85 to 86 feet

from 92 to 93 feet

WATER: Color clear Taste _____

Odor none Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other recreation area _____

WATER ANALYSIS AVAILABLE: Yes _____ No

DRILL CUTTINGS SAVED: Yes 14 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: * 10 gpm @ 80' by air test

13 1/2 gpm @ 120' by air test

" " " 142' " " "

HOLE SIZE: 9 inches from 0 to 69 feet

6 inches from 69 to 142 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 6 1/4 inches from 0 to 69 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

GROUTING: Method _____

Material cement Depth _____ feet

PUMP: Type _____

Capacity _____ gal. per min

Depth of intake _____ feet

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	9	Red clay	
9	30	Light brown clay	
30	62	Sandstone	
62	142	Granite	

OWNER: USA Corps of Eng. - Kerr Project
(Eagle Point - loc. 2, well #2)
DRILLER: Rankin Williamson
COUNTY: Mecklenburg (Boydton)

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TOTAL DEPTH - 142'

GEOLOGIC LOG

Depth
in feet

0-10	No sample
10-11	Saprolite — red-brown; very weathered and iron-oxide stained, fine to medium grained; quartz, feldspar, clay and mica
20-21	Weathered gneiss — brown; weathered and iron-oxide stained, medium to fine grained; quartz, feldspar, mica and clay
30-31	"
40-41	"
50-51	"
60-61	" with a few fragments of fresh gray gneiss
70-71	Biotite gneiss — dark gray; fine to medium grained, foliated, sheared; feldspar, quartz and biotite with trace of blue quartz
80-81	"
90-91	"
100-101	" partially iron-oxide stained
110-111	"
120-121	"
130-131	"
140-141	"
141-142	No sample

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(Eagle Point - loc. 2, well #2)

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GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-10'	No sample	—
10-11'	Saprolite	—
20-61'	Weathered gneiss	—
70-141'	Gneiss	Precambrian (?)
141-142'	No sample	—

Virginia Division of Mineral Resources
Robert G. Willson, Geologist
February 10, 1969