### COMMONWEALTH OF VIRGINIA

W-2450

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT C- 78

MAILING ADDRESS:

# DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

250		
B	3667	
D	3007	

JAMES L. CALVER, COMMISSIONER

McCormick Road Charlottesville, Virginia

C. lottesville, VA 22903 WATER WELL CO	OMPLETION REPORT Charlottesville, Virginia
OWNER: USA Corps of Eng Kerr Project	Mailing Address: Boydton, Virginia
	Mailing Address:
	Mailing Address: Buffalo Junction, Virginia
WELL LOCATION: County <u>Mecklenburg</u>	Approx. 4 1/2 xixxix south (direction) of
Boydton 1/2	*setx past end (direction) of St. Rd. 705
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TO COUNTY HIGHWAY OR OTHER MAP.)	WO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC ON
DATE STARTED: 11/8/68	DATE COMPLETED: 11/11/68
TYPE OF DRILL RIG USED: air rotary	TOTAL DEPTH 142 feet
WATER LEVEL: Standsfeet below	surface <u>OR</u>
has <u>NATURAL</u> flow of	gallons per minute.
YIELD TEST: Methodpumped	HOLE SIZE: 9 inches from 0 to 69 feet
Drawdown feet	6 inches from 69 to 142 feet
* Rate 13 1/2 gal. per min.	inches fromtofeet
Duration 12 hrs., 0 min.	SCREEN SIZE:inches fromtofeet
WATER ZONES: from 70 to 71 feet	inches fromtofeet
from 85 to 86 feet	inches fromtofeet
from 92 to 93 feet	CASE SIZE: 6 1/4 inches from 0 to 69 feet
WATER: ColorclearToste	inches fromtofeet
OdornoneTemp°F	inches fromtofeet
WELL TO SUPPLY: (check one) Home	GROUTING: Method
FarmTownSchool	Material <u>cement</u> Depthfeet
IndustryOther recreation area	PUMP: Type
WATER ANALYSIS AVAILABLE:YesNo_X_	Capacitygal. per min
DRILL CUTTINGS SAVED: Yes 14 No  (DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT I OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHE	
R ARKS: * 10 gpm @ 80' by air test	
13 1/2 gpm @ 120' by air test	
" " 142" " " "	

ATMIARIV BOOKTLASWIONMOD

FURNISHED BY: Rankin Williamson

\_DATE:\_

DEPTH REMARKS TYPE OF ROCK OR SOIL PENETRATED (feet) (gravel, clay, etc., hardness, color, etc.) (water, caving, shot, screen, sample, etc.) FROM TO Mailing Address: U TENNET (Eagle Point - loc. 2, well 0 9 Red clay Light brown clay 9 30 V 30 62 Sandstone Granite Stark 2/14 WELL LOGATION County Mediclenburg 62 142 1/2 ABRIN past end (x rection) of 18. Rd. 7 (GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, E. DATE STARTED: 11/8/68 DATE COMPLETED: 11/11/8 FORETY Stoods tool below surious OB Mae NATURA. Now of \_\_\_\_\_ gallons per minute HOLE SIZE 9 moths from D. 16 Company and and Hore 13 1/2 got per 1 WATER ZONES from 70 Industry Other ecreation area ORBILL CUTTINGS SHOULD BE COLLECTED AT IC FOOT INTERVALS, THESE SAMPLES MAY BE OFFICE EXPRESS COLLECT SAMPLE BAGE AFE FURNISHED FREE OF CHARGE UPON FEDURAT \* 10 gpm @ 80' by air test 13 1/2 gpm @ 120' by air test n n n 1424 n n n

Mayo (Use additional forms if necessary)

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

#### INTERVAL SHEET

Page 1 of 1 Well Repository No: W-2450

Date rec'd: 2/4/69 Sample Interval: from 10 to: 141'

Number of samples: 14

PROPERTY: USA Corps of Eng. - Kerr Project

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

COMPANY: Rankin Williamson Total Depth: 142'

COUNTY: Mecklenburg (Boydton) Oil or Gas: Water: XExploratory:

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All intervals have both washed and unwashed samples.

OWNER: USA Corps of Eng. - Kerr Project

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

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DRILLER: Rankin Williamson

TOTAL DEPTH - 1421

COUNTY: Mecklenburg (Boydton)

# 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	II .
40-41	11
50-51	e u
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	11
90-91	п
100-101	" partially iron-oxide stained
110-111	п
120-121	п
130-131	п
140-141	п
141-142	No sample

OWNER: USA Corps of Eng. - Kerr Project (Eagle Point - loc. 2, well #2)

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## GEOLOGIC SUMMARY

	Rock Unit	Age
0-101	No sample	_
10-111	Saprolite	
20-611	Weathered gneiss	
70-1411	Gneiss	Precambrian (?)
141-1421	No sample	-

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