

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2454
C- 82

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

P. 3667
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, Va.

TENANT: Ranger Station - location 6 Mailing Address: "

DRILLER: Rankin Williamson Mailing Address: Buffalo Junction, Virginia

WELL LOCATION: County Mecklenburg Approx. 1 ~~xxxx~~ miles north (direction) of
Clarksville and 1/4 ~~xxxx~~ miles south (direction) of St. Rt. 49

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

DATE STARTED: 11/19/68 DATE COMPLETED: 11/20/68

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 air lift
Drawdown feet
* Rate 1/2 gal. per min.
Duration 1 hrs., 0 min.

HOLE SIZE: 9 inches from 0 to 62 feet
6 inches from 62 to 250 feet
 inches from to feet

WATER ZONES: from 65 to 66 feet
from to 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 62 feet
 inches from to feet
 inches from to feet

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

GROUTING: Method
Material cement Depth feet

WATER ANALYSIS AVAILABLE: Yes No x

PUMP: Type
Capacity 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: * 1/4 gpm @ 80' by air lift
1/4 gpm @ 120' by air lift
1/2 gpm @ 250' by air lift

COMMONWEALTH OF VIRGINIA

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	2	Loose brown dirt	
2	8	Red clay	
8	18	Brown sand	
18	51	Soft sandstone	
51	65	Firm sandstone	
65	68	Blue granite	
68	250	Soft blue and red granite	

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

INTERVAL SHEET

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Well Repository No: C- 82
 W-2454

Date rec'd: 2/5/69

Sample Interval: from 10 to: 250'

PROPERTY: USA Corps of Eng. - Kerr Project
 (Ranger Station - location 6)

Number of samples: 25

COMPANY: Rankin Williamson

Total Depth: 250'

COUNTY: Mecklenburg (Clarksville)

Oil or Gas: Water: 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.

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(Ranger Station - location 6)
DRILLER: Rankin Williamson
COUNTY: Mecklenburg (Clarksville)

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TOTAL DEPTH- 250'

GEOLOGIC LOG

Depth
in feet

0-10	No sample
10-11	Saprolite — red brown; very weathered and iron-oxide stained, fine grained; quartz, clay, feldspar and mica
20-21	Weathered granite — brown; weathered and iron-oxide stained, medium to coarse grained, feldspathic; feldspar, quartz, mica and clay
30-31	"
40-41	"
50-51	"
60-61	Biotite granite — pink to red; slightly weathered and iron-oxide stained, medium to coarse grained, feldspathic; feldspar, quartz and biotite, with traces of clay (?)
70-71	"
80-81	"
90-91	" small amount of iron-oxide stains; unweathered
100-101	" "
110-111	" "
120-121	" dark red; very iron-oxide stained
130-131	"
140-141	"
150-151	"

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160-161	Biotite granite -- pink to red; slightly weathered and iron-oxide stained, medium to coarse grained, feldspathic; feldspar, quartz and biotite, with traces of clay (?)
170-171	"
180-181	"
190-191	"
200-201	"
210-211	"
220-221	"
230-231	"
240-241	" pinkish-gray; unweathered and not iron-oxide stained
249-250	" "

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-10'	No sample	—
10-11'	Saprolite	—
20-51'	Weathered granite	—
60-250'	Red Oak Granite	Precambrian (?)

Virginia Division of Mineral Resources
Robert G. Willson, Geologist
February 11, 1969