

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

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, Virginia

TENANT: Island Creek Dam - loc. 4 Mailing Address: "

DRILLER: Rankin Williamson Mailing Address: Buffalo Junction, Virginia

WELL LOCATION: County Mecklenburg Approx. 2 ~~feet~~ miles southwest (direction) of Richardson and 1/4 ~~feet~~ 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: 11/21/68

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 39 feet
6 inches from 39 to 250 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 42 to 43 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 39 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 39 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: * 1/2 gpm @ 80' by air lift
" " " 120' by air lift
" " " 250' by air lift

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	Yellow clay	
5	30	Brown clay	
30	250	Soft blue shale	

(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- 80 W-2452
 Date rec'd: 2/5/69 Sample Interval: from 10 to:250'
 PROPERTY: USA Corps of Eng. - Kerr Project Number of samples: 25
 (Island Creek Dam - loc. 4)
 COMPANY: Rankin Williamson Total Depth: 250'
 COUNTY: Mecklenburg (Richardson) Oil or Gas: Water: XExploratory:

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
(Island Creek Dam - loc. 4)
DRILLER: Rankin Williamson
COUNTY: Mecklenburg (Richardson)

W-2452
C- 80
TOTAL DEPTH- 250'

GEOLOGIC LOG

Depth
in feet

0-10	No sample
10-11	Weathered phyllite — brown; weathered and iron-oxide stained, fine grained to aphanitic; quartz, feldspar, clay, and mica
20-21	" less weathered
30-31	" "
40-41	Phyllite — gray; aphanitic to very fine grained, very sheared, slickensides; chlorite, sericite, feldspar and quartz, with trace of pyrite
50-51	" with minor amounts of vein quartz
60-61	" "
70-71	"
80-81	"
90-91	"
100-101	"
110-111	"
120-121	"
130-131	"
140-141	"
150-151	"
160-161	"
170-171	"

OWNER: USA Corps of Eng. - Kerr Project
(Island Creek Dam - loc. 4)

W-2452

180-181	Phyllite — gray; aphanitic to very fine grained, very sheared, slickensides; chlorite, sericite, feldspar and quartz, with trace of pyrite
190-191	"
200-201	"
210-211	" schistose; with vein calcite
220-221	" schistose; with vein quartz
230-231	"
240-241	"
249-250	"

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-10'	No sample	—
10-31'	Weathered phyllite	—
40-250'	Phyllite	Paleozoic (?)

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