

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2457
C-119

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. - Philpott Project Mailing Address: Bassett, Virginia

TENANT: Beach Point - location 3 Mailing Address: "

DRILLER: Rankin Williamson Mailing Address: Buffalo Junction, Virginia

WELL LOCATION: County Franklin Approx. 4 ~~xxx~~ miles southwest (direction) of
Henry and 1/2 ~~xxx~~ miles south (direction) of St. Rd. 798

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

DATE STARTED: 9/19/68 DATE COMPLETED: 9/20/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 162 feet

WATER LEVEL: Stands 39 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method air lift

Drawdown _____ feet

Rate 18 gal. per min.

Duration 1 hrs., 45 min.

WATER ZONES: from 39 to 40 feet

from 144 to 147 feet

from _____ to _____ feet

WATER: Color clear Taste _____

Odor none Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other picnic area

WATER ANALYSIS AVAILABLE: Yes No _____

DRILL CUTTINGS SAVED: Yes 16 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: _____

HOLE SIZE: 9 inches from 0 to 36 feet

6 1/16 inches from 36 to 162 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 36 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

GROUTING: Method _____

Material cement Depth 36 feet

PUMP: Type _____

Capacity _____ gal. per min

Depth of intake _____ feet

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	Red clay, dry	
5	27	Sandstone	
27	33	Broken limestone	
33	36	Limestone	
36	162	Limestone, medium hard	1 gpm @ 39-40' 17 gpm @ 144-147'

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

INTERVAL SHEET

Page 1 of 1
Date rec'd: 2/7/69
PROPERTY: USA Corps of Eng. - Philpott Project
 (Beach Point - location 3)
COMPANY: Rankin Williamson
COUNTY: Franklin (Henry)

C- 119
Well Repository No: W-2457
Sample Interval: from 10 to: 161'
Number of samples: 16
Total Depth: 162'
Oil or Gas: Water: XExploratory:

From-To	From-To	From-To	From-To
-	-	-	-
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	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples.



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(Beach Point - location 3)
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W-2457
C- 119
TOTAL DEPTH - 162'

GEOLOGIC LOG

Depth
in feet

0-10	No sample
AMPHIBOLITE (10-141')	
10-11	Amphibolite — dark greenish-gray; very fine grained, well foliated, slightly weathered; actinolite and feldspar, with a trace of gray clay
20-21	" abundant iron-oxide stained fragments
30-31	" small amount of white vein quartz
40-41	"
50-51	" with a trace of biotite
60-61	" small amount of chlorite-sericite phyllite
70-71	Amphibolite — dark greenish-gray; fine grained, foliated to massive; actinolite, feldspar, and biotite, with a trace of pyrite
80-81	"
90-91	"
100-101	"
110-111	"
120-121	" small amount of white vein quartz
130-131	"
140-141	"

OWNER: USA Corps of Eng. - Philpott Project
(Beach Point - location 3)

W-2457

* CHLORITE-GRAPHITE PHYLLITE (150-161')

150-151	Chlorite-graphite phyllite — very dark gray to black; crenulated; pyrite concentrations along foliation planes; chlorite, graphite, feldspar, sericite and quartz
160-161	"
161-162	No sample

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-10'	No sample	—
10-141'	Amphibolite	Precambrian
150-161'	Chlorite-graphite Phyllite	"
161-162'	No sample	—

* Note: graphitic — appearing phyllite may be a sheared amphibolite in part

Virginia Division of Mineral Resources
T. M. Gathright, Geologist
February 10, 1969