

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES
JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: USA Corps of Eng. - Philpott Project Mailing Address: Bassett, Virginia

TENANT: Philpott Dam - location 1 Mailing Address: "

DRILLER: Rankin Williamson Mailing Address: Buffalo Junction, Virginia

WELL LOCATION: County Henry Approx. 1 3/4 ~~xxxx~~ miles southwest (direction) of Philpott and ^{feet} miles at end of (direction) of St. Rd. 904

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

DATE STARTED: 9/25/68 DATE COMPLETED: 9/26/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 122 feet

WATER LEVEL: Stands 14 feet below surface OR has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method air lift
Drawdown _____ feet
Rate 35 gal. per min.
Duration 2 hrs., 0 min.

HOLE SIZE: 9 inches from 0 to 41 feet
6 1/16 inches from 41 to 122 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 111 to 112 feet
from 115 to 117 feet
from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
CASE SIZE: 6 1/4 inches from 0 to 41 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER: Color clear Taste _____
Odor none Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____
Farm _____ Town _____ School _____
Industry _____ Other recreation area _____

GROUTING: Method _____
Material cement Depth 41 feet

WATER ANALYSIS AVAILABLE: Yes X No _____

PUMP: Type _____
Capacity _____ gal. per min
Depth of intake _____ feet

DRILL CUTTINGS SAVED: Yes 12 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: _____

OWNER: USA Corps of Eng. - Philpott Project
(Philpott Dam - location 1)
DRILLER: Rankin Williamson
COUNTY: Henry (Philpott)

W-2455
C- 214
TOTAL DEPTH- 122'

GEOLOGIC LOG

Depth
in feet

0-10	No sample
10-11	Mica schist — light gray, weathered and iron-oxide stained to reddish-brown; sericite, chlorite, sillimanite (?), zircon (?) and quartz
20-21	"
30-31	"
40-41	Sillimanite schist — medium metallic gray, slightly weathered, phyllitic; sillimanite, sericite, chlorite, quartz, zircon (?), and traces of pyrite and biotite
50-51	" unweathered
60-61	" "
70-71	" "
80-81	" "
90-91	" "
100-101	" "
110-111	" "
120-121	" " crenulated
121-122	No sample

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-10'	No sample	—
10-121'	Sillimanite schist	Precambrian
121-122'	No sample	

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