

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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. - Philpott Project Mailing Address: Bassett, Virginia

TENANT: Goose Point - location 2 Mailing Address: "

DRILLER: Rankin Williamson Mailing Address: Buffalo Junction, Virginia

WELL LOCATION: County Patrick Approx. 3 1/2 feet miles east (direction) of

Dobson and 50 feet miles south (direction) of St. Rd. 822

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

DATE STARTED: 9/24/68 DATE COMPLETED: 9/25/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 200 feet

WATER LEVEL: Stands 93 feet below surface OR

has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method air lift

Drawdown \_\_\_\_\_ feet

Rate 6 gal. per min.

Duration 1 hrs., 0 min.

WATER ZONES: from 116 to 117 feet

from 153 to 154 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 20 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 95 feet

6 1/16 inches from 95 to 200 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 95 feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

GROUTING: Method \_\_\_\_\_

Material cement Depth 95 feet

PUMP: Type \_\_\_\_\_

Capacity \_\_\_\_\_ gal. per min

Depth of intake \_\_\_\_\_ feet

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	5	Dry red clay	
5	12	Dry brown dirt	
12	22	Loose red clay	
22	38	Loose yellowish clay	
38	52	Light brown dirt	
52	60	Sandstone	
60	89	Brown dirt	
89	92	Sandstone	
92	200	Limestone	2 gpm @ 116-117' 4 gpm @ 153-154'

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

INTERVAL SHEET

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C- 90  
 Well Repository No: W-2456

Date rec'd: 2/5/69

Sample Interval: from 10 to: 200'

PROPERTY: USA Corps of Eng. - Philpott Project  
 (Goose Point - location 2)

Number of samples: 20

COMPANY: Rankin Williamson

Total Depth: 200'

COUNTY: Patrick (Dobson)

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	-	-	-
170 - 171	-	-	-
180 - 181	-	-	-
190 - 191	-	-	-
199 - 200	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples.



OWNER: USA Corps of Eng. - Philpott Project  
(Goose Point - location 2)  
DRILLER: Rankin Williamson  
COUNTY: Patrick (Dobson)

W-2456  
C- 90  
TOTAL DEPTH - 200'

GEOLOGIC LOG

Depth  
in feet

0-10            No sample

CHLORITE-SERICITE PHYLLITE (10-81')

10-11	Chlorite-sericite phyllite — weathered reddish-brown; sericite, chlorite and quartz, with trace of vein quartz and manganese oxide
20-21	"
30-31	"
40-41	"
50-51	"            weathered to light tan
60-61	"            "
70-71	"            weathered to dark brown
80-81	"            "

AMPHIBOLITE (90-200')

90-91	Amphibolite — drab greenish-gray; massive, slightly weathered; actinolite and feldspar, with a trace of vein quartz
100-101	"
110-111	"
120-121	"
130-131	"
140-141	"

OWNER: USA Corps of Eng. - Philpott Project  
(Goose Point - location 2)

W-2456

150-151	Amphibolite — drab greenish-gray; massive, slightly weathered; actinolite and feldspar, with a trace of vein quartz
160-161	" no weathered material
170-171	Actinolite schist — dark gray; well foliated, calcareous; actinolite, quartz, feldspar and biotite, with a trace of biotite; large amount of white vein quartz
180-181	Amphibolite — drab greenish-gray; massive to foliated; actinolite, feldspar and quartz, with small amounts of vein quartz and pyrite
190-191	"
199-200	"

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-10'	No sample	—
10-81'	Chlorite-sericite phyllite	Precambrian (?)
90-200'	Amphibolite	Cambrian (?)

Virginia Division of Mineral Resources  
T. M. Gathright, Geologist  
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