

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:
B 3667
C Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES
JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Willard D. Holland Mailing Address: 30 Hillcrest Avenue Martinsville, VA 24112

TENANT: Holland Hill well #1 Mailing Address: 24541

DRILLER: Frank Moore Well Drilling Mailing Address: 10 Southern St. Danville, VA

WELL LOCATION: County Henry County Approx. 1.23 miles north (direction) of of U.S. Highway 58 and 1.3 miles north (direction) of Axton

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

DATE STARTED: April 21, 1972 DATE COMPLETED: April 25, 1972

TYPE OF DRILL RIG USED: Bucyrus Erie 10-R Air Rotary TOTAL DEPTH 270 feet

WATER LEVEL: Stands 60 feet below surface OR has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Air Test Drawdown 210 feet Rate 5 gal. per min. Duration 1 hrs., 30 min.

HOLE SIZE: 13 inches from 0 to 60 feet 6 inches from 60 to 270 feet

WATER ZONES: from 58 to 65 feet from 150 to 170 feet

SCREEN SIZE: _____ inches from _____ to _____ feet

WATER: Color Clear Taste Satisfactory Odor None Temp. 56 °F

CASE SIZE: 6 5/8 inches from 0 to 60 feet

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

GROUTING: Method Poured Grout 1 Portland cement Material 2 Sand Depth 60 feet

WATER ANALYSIS AVAILABLE: Yes No X

PUMP: Type None installed Capacity _____ gal. per min. Depth of intake _____ feet

DRILL CUTTINGS SAVED: Yes 21 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: Well site at: North 36° 40' 42" latitude Axton quadrangle West 79° 43' 13" longitude

FURNISHED BY: Frank Moore Well Drilling Company DATE: April 26, 1972
Danville, VA

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	60	Red clay and weathered granite gneiss	
60	270	Leatherwood granite	

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

INTERVAL SHEET

Page 1 of 1

C 261
 Well Repository No: 3533

Date rec'd: 5-11-72 Date Processed: 5-17-72

Sample Interval: from 60 to: 270'

PROPERTY: Holland Hill Sub. #1

Number of samples: 21

COMPANY: Frank Moore Well Drilling

Total Depth: 270'

COUNTY: Henry (Axton)

Oil or Gas: Water:* Exploratory:

From-To	From-To	From-To	From-To
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	60 - 70	-	-
-	70 - 80	-	-
-	80 - 90	-	-
-	90 - 100	-	-
-	100 - 10	-	-
-	110 - 20	-	-
-	120 - 30	-	-
-	130 - 40	-	-
-	140 - 50	-	-
-	150 - 60	-	-
-	160 - 70	-	-
-	170 - 80	-	-
-	180 - 90	-	-
-	190 - 200	-	-
-	200 - 10	-	-
-	210 - 20	-	-
-	220 - 30	-	-
-	230 - 40	-	-
-	240 - 50	-	-
-	250 - 60	-	-
-	260 - 70	-	-

All intervals have both washed and unwashed samples

OWNER: Willard D. Holland (Holland Hill #1)
DRILLER: Frank Moore Well Drilling Company
COUNTY: Henry (Axton)

W# 3533
C# 261
T.D. 270'

GEOLOGIC LOG

Depth
(in feet)

0-60	No samples
60-70	Granitic gneiss - medium-grained; clear, vitreous quartz, white to gray feldspar, black, submetallic biotite, and light-brown submetallic muscovite; minor amount of light-green epidote and several fragments of coarsely-crystalline, clear, vitreous quartz
70-80	"
80-90	" no clear, vitreous quartz
90-100	" with some coarse muscovite plates intergrown in coarsely-crystalline, milky quartz; trace of pyrite
100-110	Granitic gneiss - medium-grained; clear, vitreous quartz, white to gray feldspar, black, submetallic biotite, and light-brown submetallic muscovite; minor amount of light-green epidote and several fragments of coarsely-crystalline, clear, vitreous quartz
110-120	" increase in amount of quartz and feldspar; trace of biotite
120-130	" "
130-140	" " with trace of pyrite
140-150	" "
150-160	Granitic gneiss - medium-grained; clear, vitreous quartz, white to gray feldspar, black, submetallic biotite, and light-brown submetallic muscovite; minor amount of light-green epidote and several fragments of coarsely-crystalline, clear, vitreous quartz; a few pale-pink garnets and a trace of pyrite
160-170	Schist and granitic gneiss - more than half the sample is a brown biotite-muscovite-quartz schist with traces of garnets, tourmaline and pyrite: the granitic gneiss is as described in the preceding interval with minor amounts of brown biotite, tourmaline and pyrite

OWNER: Willard D. Holland - 2 -
(Holland Hill #1)

W# 3533
C# 261

170-180 Granitic gneiss - mostly medium-grained with epidote and black and brown biotite; a few fragments of brown biotite-muscovite-quartz schist

180-190 " with increase in amount of pyrite

190-200 " "

200-210 " "

210-220 " " with a few pieces of white feldspar

220-230 Feldspar- mostly white and vitreous, many fragments show striations on cleavage surfaces (plagioclase); some granitic gneiss with brown biotite, a few pieces of coarsely-crystalline, clear vitreous quartz, garnets and pyrite

230-240 " with a few pieces of black biotite and epidote in the gneiss

240-250 " "

250-260 " " a few pieces contain minor amounts of muscovite and biotite

260-270 " "

GEOLOGIC SUMMARY

<u>Thickness (feet)</u>	<u>Rock Unit</u>	<u>Age</u>
0-60	No samples	-
60-270	Granite and schist	Precambrian (?)

Virginia Division of Mineral Resources
Paul G. Nystrom, Jr. - Geologist
June 7, 1972