

OWNER: Bedford County School Board
DRILLER: Falwell Well Corporation
COUNTY: Bedford (Big Island)

VDMR: 2153
WWCR: 174
TOTAL DEPTH: 160'

GEOLOGIC LOG

<u>Depth in feet</u>	
0-10	Saprolite — quartz, feldspar, biotite and muscovite
10-20	"
20-30	"
30-40	"
40-50	"
50-60	Biotite schist — phaneritic, coarse-grained; predominantly biotitic, minor amounts of quartz, feldspar, and muscovite, with trace of plagioclase
60-70	" with increase in amount of quartz and feldspar
70-80	Biotite schist — phaneritic, fine-grained; predominantly biotitic, minor amounts of quartz, feldspar, and muscovite
80-90	"
90-100	Biotite schist — phaneritic, coarse-grained, some gneissic fragments; predominantly biotitic, minor amounts of quartz and feldspar, with trace of garnet
100-110	" with considerable amount of weathered biotite
110-120	" with some weathered biotite and vein quartz
120-130	Gneiss — phaneritic, fine-grained; feldspar, biotite, quartz, and trace of garnet
130-140	"
140-150	"
150-160	"

OWNER: Bedford County School Board

#2153

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-50'	Saprolite	—
50-160'	Pedlar Formation	Precambrian

Virginia Division of Mineral Resources
W. W. Winters, Geologist
March 12, 1968

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

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McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Bedford County School Board Mailing Address: Bedford, Virginia

TENANT: School Mailing Address: Bedford, Virginia

DRILLER: Falwell Well Corporation Mailing Address: P. O. Box 937, Lynchburg, Va.

WELL LOCATION: County Bedford Approx. 3 ~~feet~~ ^{miles} south (direction) of Big Island and 50 ~~feet~~ ^{feet} west (direction) of school

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

DATE STARTED: 2/7/68 DATE COMPLETED: 2/13/68

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 160 feet

WATER LEVEL: Stands 40 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Pump
Drawdown 50 feet
Rate 3 1/2 gal. per min.
Duration 48 hrs., 0 min.

HOLE SIZE: 10 inches from 0 to 52 feet
6 inches from 52 to 160 feet
_____ inches from _____ to _____ feet
SCREEN SIZE: _____ inches from _____ to _____ feet

WATER ZONES: from 55 to 60 feet
from 110 to 112 feet
from _____ to _____ feet

CASE SIZE: 6 inches from 0 to 52 feet
Weight - 19.45 Lbs. per lineal ft.
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER: Color Clear Taste Good
Odor None Temp. _____ °F

GROUTING: Method Pumped
Material Water-Cement Depth 52 feet

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

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

WATER ANALYSIS AVAILABLE: Yes X No _____

DRILL CUTTINGS SAVED: Yes X 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: _____

LOG

FURNISHED BY: Falwell Well Corporation DATE: March 1, 1968

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	52	Loamy soil	
52	60	Shale	
60	110	Black Shale	
110	160	Gray Rock	