

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2371
C-182

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B-3667
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: David Justus Mailing Address: 1107 Georgetown Drive,

TENANT: _____ Mailing Address: Lynchburg, Va.

DRILLER: Moore Well Drilling, Inc. Mailing Address: Box 97, Rustburg, Va.

WELL LOCATION: County Bedford Approx. 100 ^{feet}~~miles~~ north (direction) of
Smith Mtn. Lake and 150 ^{feet}~~miles~~ west (direction) of St. Rd. 853

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

DATE STARTED: 5/23/68 DATE COMPLETED: 5/24/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 125 feet

WATER LEVEL: Stands 20 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method air lift
Drawdown _____ feet
Rate 12 gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 9 inches from 0 to 20 feet
6 inches from 20 to 125 feet
_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER ZONES: from _____ to _____ feet
from _____ to _____ feet
from _____ to _____ feet

CASE SIZE: 6 inches from 0 to 20 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER: Color _____ Taste _____
Odor _____ Temp. _____ °F

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

GROUTING: Method _____
Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____

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

DRILL CUTTINGS SAVED: Yes 7 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: David Justus
DRILLER: Moore Well Drilling, Inc.
COUNTY: Bedford (Smith Mtn. Lake)

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TOTAL DEPTH- 125'

GEOLOGIC LOG

Depth
in feet

0-20	Saprolite and weathered gneiss — tan, fine grained; clay, mica, quartz and fragments of gneiss
20-35	Hornblende gneiss — dark gray, slightly weathered; fine grained, lineated; feldspar, quartz, hornblende, and biotite
35-44	Biotite gneiss — gray, weathered; fine grained, foliated, micaceous; feldspar, quartz, and biotite, with trace of hornblende
44-75	Biotite gneiss — gray; fine grained, foliated, micaceous; feldspar, quartz, and biotite, with traces of hornblende, sericite and garnet
75-93	"
93-100	"
100	"
100-125	No sample

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-20 [†]	Saprolite	—
20-100 [†]	Lynchburg Formation	Precambrian
100-125 [†]	No sample	—

Virginia Division of Mineral Resources
Robert G. Willson, Geologist
January 15, 1969