

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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: William Jones Mailing Address: Rt. 2, Rustburg, Virginia

TENANT: _____ Mailing Address: _____

DRILLER: Moore Well Drilling, Inc. Mailing Address: Rustburg, Virginia

WELL LOCATION: County Campbell Approx. 5 ~~feet~~ ^{miles} northeast (direction) of
Gladys and 50 ~~miles~~ ^{feet} west (direction) of St. Rd. 651

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

DATE STARTED: 4/11/68 DATE COMPLETED: 4/11/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 155 feet

WATER LEVEL: Stands 52 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method air lift
Drawdown _____ feet
Rate 2 1/2 gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 9 inches from 0 to 81 feet
6 inches from 81 to 155 feet
_____ inches from _____ to _____ feet

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

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

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

CASE SIZE: 6 1/4 inches from 0 to 81 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method _____
Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No
DRILL CUTTINGS SAVED: Yes 12 No _____

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

(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: William Jones
DRILLER: Moore Well Drilling, Inc.
COUNTY: Campbell (Gladys)

W-2404
C- 327
TOTAL DEPTH-155'

GEOLOGIC LOG

Depth
in feet

0-80	No samples
80-92	Biotite gneiss — gray, fine grained, foliated, micaceous; feldspar, quartz and biotite
92-94	Pegmatite — white to very light gray, slightly iron-oxide stained and foliated; coarse to very coarse grained feldspar and quartz, with minor amounts of fine to medium grained biotite; 10 percent of sample is biotite gneiss, with sharp contact between biotite gneiss and pegmatite exhibited on some fragments
94-95	" unweathered; no biotite gneiss
95-97	" "
97-98	" a few fragments are very iron-oxide stained
98-108	Biotite gneiss — gray, fine grained, foliated, micaceous; feldspar, quartz and biotite
108-109	Pegmatite — white, slightly foliated (?); coarse to very coarse grained, feldspar and quartz, with trace amounts of fine grained biotite
109-132	Amphibolite — gray, fine grained; lineated to foliated; gneissic; hornblende, feldspar and quartz; about 40 percent of sample is biotite gneiss
132-134	Pegmatite — white, slightly foliated (?); coarse to very coarse grained feldspar and quartz, with trace amounts of fine grained biotite
134-143	Biotite gneiss — gray, fine grained; very micaceous, schistose, sheared; feldspar, quartz and biotite, with trace amounts of chlorite (?), muscovite and pyrite
143-145	" less micaceous

OWNER: William Jones

W-2404

145-148 No sample

148-155 Biotite gneiss — light gray, fine to very fine grained,
foliated to slightly foliated; feldspar, quartz
and biotite

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-80'	No samples	—
80-155'	Lynchburg Formation (?) with intruded pegmatites and amphiboles of Paleozoic (?) age	Precambrian (?)

Virginia Division of Mineral Resources
Robert G. Willson, Geologist
January 21, 1969