

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

VDMR: 2343

WWCR: 116

MAILING ADDRESS:

B-3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Mr. William Tennant Mailing Address: Washington, DC

TENANT: _____ Mailing Address: _____

DRILLER: Va. Well Co. (P. Russell) Mailing Address: Winchester, Virginia

WELL LOCATION: County _____ Page _____ Approx. 2 ~~feet~~ miles east (direction) of
Luray, on Piney Mt. and 1/2 ~~feet~~ miles south (direction) of U.S. Hwy. 211

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

DATE STARTED: September 1967 DATE COMPLETED: September 1968

TYPE OF DRILL RIG USED: air rotary and cable TOTAL DEPTH 700 feet

WATER LEVEL: Stands 450 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method bailer

Drawdown 250 feet

Rate 3/4 gal. per min.

Duration 8 hrs., 0 min.

WATER ZONES: from 600 to 625 feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color clear Taste none

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home

Farm _____ Town _____ School _____

Industry _____ Other _____

WATER ANALYSIS AVAILABLE: Yes _____ No

DRILL CUTTINGS SAVED: Yes 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: Driller reports penetrating "green granite" all the way, except for a 25' thick "red sandstone" strata around 600-625'. (Near Cw-6h contact w/dip of about 70° ESE; on ridge crest, approximately 550-600' above surface drainage).

OWNER: William Tennant
DRILLER: Virginia Well Company
COUNTY: Page (Luray)

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TOTAL DEPTH: 700'

GEOLOGIC LOG

Depth
in feet

0-250'	Quartzite -- medium- to dark bluish-gray, medium- to coarse-grained, arkosic; traces of pyrite, milky quartz, rose quartz, and iron-oxide stains
250-450	Quartzite -- light greenish-gray, fine-grained, slightly schistose; traces of graphite, milky quartz, purple sandstone, and iron-oxide stains
450-500	Quartzite -- medium gray, fine- to medium-grained, slightly schistose, arkosic; trace of purple sandstone
500-550	"
550-600	"
600-625	" with trace of graphite
625-700	Quartzite -- dark purplish-brown, fine grained; ferruginous and arkosic

GEOLOGIC SUMMARY

<u>Rock Unit</u>	<u>Age</u>
Weaverton Formation	Early Cambrian

Virginia Division of Mineral Resources
William W. Winters, Geologist
December 16, 1968