

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2379
C- 1048

MAILING ADDRESS:
Box 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: John W. Sparks Mailing Address: Boonesville, Va.

TENANT: _____ Mailing Address: _____

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

WELL LOCATION: County Albemarle Approx. 3/4 ~~mi~~^{mi} north (direction) of
center of Boonesville and 1/2 ~~mi~~^{mi} north (direction) of church

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

DATE STARTED: 6/5/68 DATE COMPLETED: 6/7/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 150 feet

WATER LEVEL: Stands 55 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method air lift

Drawdown _____ feet

Rate 5 gal. per min.

Duration _____ hrs., _____ min.

HOLE SIZE: 9 inches from 0 to 51 feet

6 1/4 inches from 51 to 150 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 6 1/4 inches from 0 to 51 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

WATER ZONES: from _____ to _____ feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home X

Farm _____ Town _____ School _____

Industry _____ Other _____

GROUTING: Method _____

Material _____ Depth _____ feet

PUMP: Type _____

Capacity _____ gal. per min

Depth of intake _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No X

DRILL CUTTINGS SAVED: Yes 10 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: John W. Sparks
DRILLER: Moore Well Drilling, Inc.
COUNTY: Albemarle (Boonesville)

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TOTAL DEPTH- 150'

GEOLOGIC LOG

Depth
in feet

0-15	Saprolite — very light pinkish-tan; sericite, quartz, and clay
15-87	Sericite mylonite — very light brownish-gray, weathered; large amount of vein quartz
87-100	Chlorite-sericite mylonite — very light brownish-gray, weathered; quartzose
100-105	Sheared granodiorite — very light brownish-gray, slightly weathered; small amounts of white and yellow vein quartz
105-120	Hypersthene granodiorite — medium greenish-gray, sheared; large amount of white vein quartz
120	Sheared granodiorite — light gray, slightly weathered; large amount of vein quartz
120-123	" with large amount of iron-oxide stained fragments
123-140	Sheared granodiorite and mylonite — light gray and pinkish-gray; large amount of vein quartz, trace of chlorite-phyllite
140-144	" very dark gray
144-150	Vein quartz — light tan (iron-oxide stained), with minor amounts of sheared granodiorite and mylonite

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-15'	Saprolite	—
15-150'	Pedlar Formation (sheared)	Precambrian

Virginia Division of Mineral Resources
T. M. Gathright, Geologist
January 15, 1969