

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: S. M. Pate Mailing Address: 414 Munford St., Lynchburg, Va.

TENANT: Garland Smith Mailing Address:

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

WELL LOCATION: County Bedford Approx. 1 <sup>feet</sup>/<sub>miles</sub> north (direction) of Boonesboro and 50 <sup>feet</sup>/<sub>miles</sub> south (direction) of St. Rd. 647

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

DATE STARTED: 5/14/68 DATE COMPLETED: 5/15/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 300 feet

WATER LEVEL: Stands 54 feet below surface OR has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method air lift  
Drawdown \_\_\_\_\_ feet  
Rate 1 gal. per min.  
Duration \_\_\_\_\_ hrs., \_\_\_\_\_ min.

HOLE SIZE: 9 inches from 0 to 60 feet  
6 inches from 60 to 300 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
SCREEN SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

CASE SIZE: 6 inches from 0 to 60 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_  
Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

GROUTING: Method \_\_\_\_\_  
Material \_\_\_\_\_ Depth \_\_\_\_\_ feet

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

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

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No

DRILL CUTTINGS SAVED: Yes 13 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:

VIRGINIA DIVISION OF MINERAL RESOURCES

Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

C-184

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Well Repository No: W-2392

Date rec'd: 1/14/69

Sample Interval: from 0 to: 300'

PROPERTY: S. M. Pate

Number of samples: 13

COMPANY: Moore Well Drilling, Inc.

Total Depth: 300'

COUNTY: Bedford (Boonesboro)

Oil or Gas: ~~Water~~: XExploratory:

From-To	From-To	From-To	From-To
0 - 60	-	-	-
60 - 80	-	-	-
80 - 97	-	-	-
97 - 105	-	-	-
105 - 112	-	-	-
112 - 145	-	-	-
145 - 175	-	-	-
175 - 235	-	-	-
235 - 247	-	-	-
247 - 255	-	-	-
255 - 280	-	-	-
280 - 285	-	-	-
285 - 300	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Unwashed samples only; not enough to split.

OWNER: S. M. Pate  
DRILLER: Moore Well Drilling, Inc.  
COUNTY: Bedford (Boonesboro)

W-2392  
C- 184  
TOTAL DEPTH -300'

GEOLOGIC LOG

Depth  
in feet

0-60	Saprolite — light brown, with clay, quartz and weathered mica
60-80	Biotite schist — very dark gray; 80% of sample is biotite, remainder is quartz and feldspar
80-97	" with minor amount of pyrite
97-105	" decrease in amount of biotite
105-112	Biotite schist and vein calcite — dark silver-gray, very well foliated biotite schist and white, coarsely crystalline vein calcite
112-145	Biotite gneiss — medium to dark gray with white; schistose, garnetiferous; quartz, feldspar, biotite, amber garnet, and trace of muscovite
145-175	" with minor amount of sericite
175-235	"
235-247	"
247-255	"
255-280	" granitic texture
280-285	" "
285-300	" "

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-60'	Saprolite	—
60-300'	Marshall Formation	Precambrian

Virginia Division of Mineral Resources  
T. M. Gathright, Geologist  
January 16, 1969