

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 4107  
C#: 172

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B. 3667  
C. Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road  
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Hanover Associates Mailing Address: 5808 Midlothian Pike Richmond, VA

TENANT: \_\_\_\_\_ Mailing Address: \_\_\_\_\_

DRILLER: W.H. Gammon Well Drilling Mailing Address: Providence Forge, VA

WELL LOCATION: County Hanover Approx. 3 <sup>feet</sup> miles West (direction) of

St. Rd. 643 and 500 <sup>feet</sup> miles North (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: 3/11/74 DATE COMPLETED: 4/5/74

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 321 feet

WATER LEVEL: Stands 230 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute

YIELD TEST: Method Submersible pump HOLE SIZE: 12 inches from 0 to 321 feet

Drawdown 30 feet \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

Rate 80 gal. per min. \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

Duration 24 hrs., \_\_\_\_\_ min. SCREEN SIZE: 6 inches from 243 to 283 feet

WATER ZONES: from 240 to 280 feet \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

from \_\_\_\_\_ to \_\_\_\_\_ feet \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

from \_\_\_\_\_ to \_\_\_\_\_ feet CASE SIZE: 6 inches from 0 to 243 feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_ 6 inches from 283 to 300 feet

Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WELL TO SUPPLY: (check one) Home \_\_\_\_\_ GROUTING: Method pumped

Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_ Material cement Depth 0-50 feet

Industry \_\_\_\_\_ Other Subdivision PUMP: Type \_\_\_\_\_

WATER ANALYSIS AVAILABLE: Yes XX No \_\_\_\_\_ Capacity \_\_\_\_\_ gal per min

DRILL CUTTINGS SAVED: 15 Yes XX No \_\_\_\_\_ 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: \_\_\_\_\_

FURNISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED ( gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	2	Top soil	
2	25	White & Red sand	
25	45	Yellow & red sand	
45	65	Blue sand & shells	
65	85	" " "	
85	105	Shells, small gravel, gray mud	
105	125	" " "	
125	145	Gray mud, black sand	
145	165	" " "	
165	185	White & gray mud	
185	205	" " " and white sand	
205	225	" " " " "	
225	245	White sand, hard	
245	265	" " " " "	
265	285	" " " " "	
285	305	" " Some gravel	
305	321	Gravel & white sand	



OWNER: Hanover Associates  
DRILLER: W.H. Gammon  
COUNTY: Hanover  
(Pearson's Corner)

W#: 4107  
C#: 172  
TOTAL DEPTH: 330'  
QUAD: Studley

GEOLOGIC LOG

Depth  
(feet)

- 0 - 25 Sand -- dark yellowish orange; medium grained, some coarse grains; subangular to subrounded; well sorted; quartz; feldspar; few opaques.
- 25 - 45 As above except very pale yellowish orange; medium to coarse grained.
- 45 - 65 Sand -- light olive gray; slightly clayey; fine grained; subangular to subrounded; well sorted; quartz; 5% shell fragments; 2% black phosphatic material; some opaques; few flakes of muscovite; few echinoid spines.
- 65 - 85 Sand -- light olive gray; very coarse grained; subangular to subrounded; well sorted; quartz; 7% shell fragments; some feldspar.
- 85 - 105 Granules -- light olive gray; subangular to subrounded; well sorted; quartz; 3% shell fragments; some feldspar.
- 105 - 125 As above except 10% shell fragments.
- 125 - 145 Sand -- salt and pepper; medium grained, some very fine grains; subangular to rounded; well sorted; quartz; 50% glauconite; few shell fragments; few black phosphatic fragments.
- 145 - 165 Sand -- dusky yellow; moderate clay; very fine to medium grained; subangular to subrounded; moderately sorted; quartz; 3% glauconite; few shell fragments; few flakes of muscovite.
- 165 - 185 Sand -- light olive gray; fine to medium grained; subangular to rounded; moderately well sorted; quartz; 30% glauconite; some shell fragments; muscovite; few black phosphatic fragments.
- 185 - 205 As above except 20% glauconite; 3% shell fragments; ostracode.
- 205 - 225 As above except slightly clayey; forams (inc. Robulus).
- 225 - 245 Sand -- off white; coarse grained; subangular to subrounded; well sorted; quartz; feldspar; 3% glauconite; 3% shell fragments; few flakes of muscovite.
- 245 - 265 As above except 5% glauconite; some shell fragments.
- 265 - 285 As above except few shell fragments.
- 285 - 305 Sand -- off white; coarse to very coarse grained; subangular to subrounded; well sorted; quartz; feldspar; some shell fragments; few grains of glauconite; few flakes of muscovite.

OWNER: Hanover Associates

-2-

W#: 4107

Depth  
(feet)

NOTE: All samples are unwashed.

Logged by Michael T. Currie  
March 12, 1979

OWNER: Manover Associates

W# 4107

## GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0-45	45	Columbia Group	Pleistocene
45-125	80	Chesapeake Group	Miocene
125-225	100	Mattaponi Formation	Eocene-Cretaceous
225-305	80	Patauxent Formation	Cretaceous
305-330	25	No Sample	

VIRGINIA DIVISION OF MINERAL RESOURCES  
David A. Hubbard, Jr., Geologist  
April 6, 1979