

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-4254  
C-177

MAILING ADDRESS:  
Box 3667  
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES  
JAMES L. CALVER, COMMISSIONER  
WATER WELL COMPLETION REPORT

OFFICE ADDRESS:  
McCormick Road  
Charlottesville, Virginia

OWNER: Hanover Realty Corporation Mailing Address: 2057 Shady Grove Road  
Mechanicsville, Virginia

TENANT: R. T. Holly Mailing Address: \_\_\_\_\_

DRILLER: W. H. Gammon Mailing Address: Route 2 Box 125  
Providence Forge, Virginia

WELL LOCATION: County Hanover Approx. 1 ~~feet~~ miles south (direction) of  
U. S. Highway 301 and 1 ~~feet~~ miles west (direction) of Atlee Road

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

DATE STARTED: June 18, 1974 DATE COMPLETED: July 3, 1974

TYPE OF DRILL RIG USED: rotary TOTAL DEPTH 302 feet

WATER LEVEL: Stands 170 feet below surface OR Completed at 300 feet

has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method submersible pump

Drawdown 10 feet

Rate 43 gal. per min.

Duration 24 hrs., \_\_\_\_\_ min.

HOLE SIZE: 12 inches from 0 to 302 feet

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

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

SCREEN SIZE: 6 inches from 228 to 258 feet

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

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

WATER ZONES: from 228 to 258 feet

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

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

CASE SIZE: 6 inches from 0 to 228 feet

6 inches from 258 to 300 feet

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

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_

Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

WELL TO SUPPLY: (check one) Home \_\_\_\_\_

Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_

Industry \_\_\_\_\_ Other subdivision

GROUTING: Method pumped

Material cement Depth 50 feet

PUMP: Type \_\_\_\_\_

Capacity \_\_\_\_\_ gal per min

Depth of intake \_\_\_\_\_ feet

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

DRILL CUTTINGS SAVED: Yes 14 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: Electric log by driller.

# LOG

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	23	Red sand gravel and clay	
23	49	Yellow sand and gravel	
49	70	Gravel	
70	91	Blue mud and some shells	
91	112	Blue mud and shells	
112	134	Blue mud, shells, and hard shale	
134	156	Blue and yellow mud shells and sand	
156	178	Blue and red mud shells and hard shale	
178	200	Blue black red gray mud and shale	
200	222	Black red and green mud sand, clay, and gravel	
222	242	Sand clay and gravel	
242	262	Sand clay and gravel	
262	282	Gravel sand	
282	302	Water sand	



(R. T. Holly)  
OWNER : Hanover Realty Corporation  
DRILLER: W. H. Gammon  
COUNTY : Hanover

W# : 4254  
C# : 177  
TOTAL DEPTH: 302'  
QUAD : Yellow Tavern

GEOLOGIC LOG

Depth  
(feet)

- 0-23 Sand- dark yellowish-orange; slightly clayey; medium to very coarse grained, some fine grains, 15% granules; subangular to subrounded; poorly sorted; quartz; feldspar; some opaques.
- 23-49 Sand- grayish-orange; coarse grained, some medium grains; subangular to subrounded; well sorted; quartz; feldspar; some opaques; few grains of glauconite.
- 49-70 Sand- grayish-orange; medium grained, 30% granules; subangular to subrounded; moderately sorted; quartz; feldspar; few opaques.
- 70-91 Sand- olive light gray; abundant clay; fine to medium grained, some coarse grains, some pebbles; subangular to subrounded; moderately well sorted; quartz; 5% shell fragments; few flakes of muscovite; few opaques.
- 91-112 Sand- olive light gray; slightly clayey; fine to coarse grained, some granules; subangular to subrounded; moderately sorted; quartz; 15% shell fragments; some glauconite; some black phosphatic material; few flakes of muscovite; few echinoid spines.
- 112-134 As above except moderate clay; 7% shell fragments.
- 134-156 Sand- light olive gray; moderate clay; fine to medium grained, some coarse grains, few granules; subangular to subrounded; moderately well sorted; quartz; 3% shell fragments; 2% black phosphatic material; few flakes of muscovite.
- 156-178 Sand- light olive gray; abundant clay- light olive gray, moderate orange pink, very light gray; fine to medium grained, some coarse grains; subangular to subrounded; moderately well sorted; quartz; some shell fragments; few black phosphatic fragments; few flakes of muscovite.
- 178-200 Sand- olive gray; moderate clay; fine grained, some medium grains, some coarse grains, some granules; subangular to subrounded; moderately well sorted; quartz; 7% glauconite; 5% shell fragments; some black phosphatic material; few flakes of muscovite.

(R. T. Holly)  
OWNER: Hanover Realty Corporation

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W#: 4254

Depth  
(feet)

- 200-222 Gravel- light olive gray; slightly clayey; moderate sand; fine to coarse grained, 10% granules; angular to subrounded; moderately well sorted; quartz; 2% glauconite; 2% shell fragments; few black phosphatic fragments.
- 222-242 As above plus some feldspar; some glauconite.
- 242-262 Sand- yellowish-gray; coarse grained to granular, some medium grains, 5% pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; some glauconite; few shell fragments; muscovite.
- 262-282 Sand- yellowish-gray; fine to coarse grained; subangular to subrounded; moderately sorted; quartz; feldspar; some glauconite; muscovite; few shell fragments.
- 282-302 Sand- off-white; coarse to very coarse grained, 10% granules, some pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; some glauconite; some shell fragments; few black phosphatic fragments.

Logged by: Michael T. Currie  
May 24, 1979