

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 4453
C#: 84

MAILING ADDRESS:
3667
Charlottesville, VA 22903

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

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: Sherwood Estates Mailing Address: _____

TENANT: _____ Mailing Address: _____

DRILLER: W. H. Gammon Mailing Address: Rt. 2, Box 125
Providence Forge, VA. 23140

WELL LOCATION: County New Kent Approx. 5 ~~1/2~~ miles north (direction) of
Rt. 249 and 100 ^{feet} ~~300~~ west (direction) of Rt. 611

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

DATE STARTED: 5-12-75 DATE COMPLETED: 5-29-75

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 400 feet

WATER LEVEL: Stands 139 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Submersible pump

Drawdown 10 feet

Rate 160 gal. per min.

Duration 48 hrs., _____ min.

HOLE SIZE: 12 inches from 0 to 400 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

SCREEN SIZE: 6 inches from 312 to 322 feet

6 inches from 330 to 340 feet

6 inches from 346 to 356 feet

WATER ZONES: from 312 to 322 feet

from 330 to 340 feet

from 346 to 356 feet

CASE SIZE: 6 inches from 0 to 312 feet

6 inches from 322 to 330 feet

6 inches from 340 to 346 feet

6 inches from 356 to 365 feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other Subdivision

GROUTING: Method _____

Material _____ Depth 50 feet

PUMP: Type Submersible (Myers)

Capacity 60 gal per min

Depth of intake 200 feet

WATER ANALYSIS AVAILABLE: Yes No _____

DRILL CUTTINGS SAVED: 17 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: _____

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	Sand, clay some small gravel	
23	44	Yellow and red sand, hard in places gravel	
44	65	Yellow sand, small gravel	
65	90	Small gravel, some clay	
90	111	Small gravel, some clay, blue sand	
111	132	Gravel red and blue mud	
132	153	Blue mud, gravel, shell and hard shale	
153	174	Black sand, shells, gravel, blue mud	
174	195	Black sand, hard white sand, yellow and blue mud	
195	214	Blue, green, red and yellow mud	
214	235	Black and red mud	
235	256	Black mud, some shells	
256	276	Black mud shells and light green mud	
276	296	Sand clay white mud gravel	Water
296	316	Sand, sand clay and some gravel	Water
316	336	Sand	Water
336	356	Sand	
356	376	Gravel	
376	396	Sand Clay	

(Use additional forms if necessary)

VIRGINIA DIVISION OF MINERAL RESOURCES
 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

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Well Repository No: W#: 4453
 C#: 84

Date rec'd: 11/18/75 Date Processed: 9/10/76

Sample Interval: from: 0 to: 360

PROPERTY: Sherwood Estates

Number of samples: 17

COMPANY: W. H. Gammon

Total Depth: 365'

COUNTY: New Kent (Quinton)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
0 - 23	256 - 276	-	-
-	-	-	-
23 - 44	276 - 296	-	-
-	-	-	-
44 - 65	296 - 316	-	-
-	-	-	-
65 - 90	316 - 336	-	-
-	336 - 360	-	-
-	-	-	-
90 - 111	-	-	-
-	-	-	-
111 - 132	-	-	-
-	-	-	-
132 - 153	-	-	-
-	-	-	-
153 - 174	-	-	-
-	-	-	-
174 - 195	-	-	-
-	-	-	-
195 - 216	-	-	-
-	-	-	-
216 - 235	-	-	-
235 - 256	-	-	-
-	-	-	-
-	-	-	-

Washed and unwashed samples.

OWNER: Sherwood Estates
DRILLER: W. H. Gammon
COUNTY: New Kent

W#: 4453
C#: 84
TOTAL DEPTH: 360'
QUAD.: Quinton

GEOLOGIC LOG

DEPTH
(FEET)

- 0-23 Sand — dark yellowish orange; slightly clayey; medium grained, some fine grains; subangular to subrounded; well sorted; quartz; feldspar; some opaques.
- 23-44 Sand — light grayish orange; medium to coarse grained; subangular to subrounded; well sorted; quartz; feldspar; few opaques; few grains of glauconite.
- 44-65 Sand — grayish orange; slightly clayey; 65% very coarse grains, 35% fine grains; subangular to subrounded; moderately sorted; quartz; feldspar; few opaques.
- 65-90 Granules and sand — grayish orange; slightly clayey; 60% granules, 40% fine to very coarse grained sand; subangular to subrounded; poorly sorted; quartz; feldspar; few grains of glauconite.
- 90-111 Sand — dark yellowish orange; moderately stained; slightly clayey; fine grained to granular, few pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; few opaques.
- 111-132 Sand — dusky yellow; slightly clayey; fine grained to granular (35%), 5% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; some black phosphatic material; some sandy limestone fragments; few grains of glauconite; few shell fragments; few spines; muscovite.
- 132-153 Sand — light olive gray; slightly clayey; medium to coarse (some stained) grained, some fine grains, some granules, 3% pebbles; subangular to rounded; poorly sorted; quartz; 12% glauconite (black, green); 7% sandy limestone and shell fragments; feldspar; pyrite.
- 153-174 As above except 5% granules; some pebbles; some muscovite.
- 174-195 Sand — light olive gray; fine to coarse grained, some granules; subangular to subrounded; moderately sorted; quartz; 25% glauconite; some shell fragments; few sandy limestone fragments; few black phosphatic fragments; muscovite; pyrite; forams scarce (inc. Buccella).
- 195-216 Sand — olive light gray; moderate clay; fine to coarse grained (some stained); subangular to rounded; moderately sorted; quartz; 20% glauconite; some shell fragments; muscovite; forams rare (inc. Quinqueloculina).

DEPTH
(FEET)

- 216-235 Sand and clay — olive light gray; moderate clay — olive light gray, moderate orange pink, very light gray; abundant sand; medium to coarse grained, some fine grains, some granules; subangular to rounded; moderately sorted; quartz; glauconite 20% of sand sized fraction; some sandy limestone and shell fragments; muscovite; few spines; forams (inc. Nonion and Robulus).
- 235-256 Sand — olive light gray; moderate clay - olive light gray, moderate orange pink, very light gray, dark yellowish orange; fine to medium grained, some coarse grains; subangular to rounded; moderately sorted; quartz; 15% glauconite; 10% shell fragments; few spines; muscovite; pyrite; foram.
- 256-276 Sand — olive gray; moderate clay; fine to medium grained, some coarse grains; subangular to rounded; moderately well sorted; 50% glauconite (black, green); 3% shell fragments; forams (inc. Buccella, Discorbis, and Nodosaria); muscovite; pyrite; ostracode.
- 276-296 Sand — salt and pepper; slightly clayey; medium to very coarse grained, some granules; subrounded to rounded; moderately sorted; quartz; feldspar; 15% glauconite; some shell fragments; muscovite.
- 296-316 Sand — grayish orange; slightly clayey; medium to very coarse grained, 20% granules (some heavily stained); subangular to subrounded; moderately sorted; quartz; feldspar; some glauconite; some shell fragments; muscovite.
- 316-336 Sand — light olive gray; slightly clayey; medium to coarse grained, 3% granules, 5% pebbles (some stained); subangular to subrounded; poorly sorted; quartz; feldspar; 3% glauconite; few shell fragments; muscovite.
- 336-360 Sand — light olive gray; medium to very coarse grained, few granules (some stained); subangular to subrounded; moderately sorted; quartz; feldspar; 2% glauconite; some shell fragments; muscovite; few grains of garent.

Logged by: Michael T. Currie