

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-5421  
C-228

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

Box 3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

OWNER: E. G. Wade, Jr. Mailing Address: 5811 Windsor Dr., Mechanicsville

TENANT: Landmark Baptist Church Mailing Address: Creighton Rd., Richmond, Va.

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

WELL LOCATION: County Henrico Approx. 2 ~~miles~~ 23142 (direction) of NW  
Highland Springs and 453,000 N x 2,330,000 E (direction) of feet

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

DATE STARTED: 10-5-76 DATE COMPLETED: 10-8-76

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 276 feet

WATER LEVEL: Stands \_\_\_\_\_ feet below surface OR

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

YIELD TEST: Method 55 gal. drum

Drawdown \_\_\_\_\_ feet

Rate 12 gal. per min.

Duration 32 hrs., \_\_\_\_\_ min.

HOLE SIZE: 9 3/4 inches from 0 to 275 feet

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

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

SCREEN SIZE: 4 inches from 200 to 210 feet

4 inches from 230 to 240 feet

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

CASE SIZE: 4 inches from 0 to 200 feet

4 inches from 210 to 230 feet

4 inches from 240 to 275 feet

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

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

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

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

Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

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

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

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

GROUTING: Method \_\_\_\_\_

Material Cement Depth 50 feet

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: \_\_\_\_\_

(LOG OF WELL) OVER

# 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	27	Red & yellow mud & small gravel	
27	48	Fine sandy gravel & red mud	
48	69	Sand - gravel & some red mud	
69	90	Blue mud, sand & gravel	
90	111	Gravel, sand & blue mud	
111	131	Blue mud & sand, some gravel	
131	152	Blue mud & gravel	
152	173	Blue mud, black sand & gravel & red mud	
173	194	Gray mud, gravel & some shell	
194	214	Sand clay - green mud, gravel, water sand	
214	235	Sand & gravel	
235	256	Green, white mud, sand clay & gravel	
256	276	Green, white mud, sand clay, gravel & brown mud & sand	

(Use additional forms if necessary)

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

INTERVAL SHEET

C-228

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Well Repository No.: W-5421

Date rec'd: 11/1/78 Date Processed: 2/22/79

Sample Interval: from 0 to: 276'

E. G. Wade, Jr.

PROPERTY: (Landmark Baptist Church)

Number of samples: 13

COMPANY: W. H. Gammon

Total Depth: 275

COUNTY: Henrico (Highland Sp.)

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To	From-To
0 - 27	-	-	-	-
27 - 48	-	-	-	-
48 - 69	-	-	-	-
69 - 90	-	-	-	-
90 - 111	-	-	-	-
111 - 131	-	-	-	-
131 - 152	-	-	-	-
152 - 173	-	-	-	-
173 - 194	-	-	-	-
194 - 214	-	-	-	-
214 - 235	-	-	-	-
235 - 256	-	-	-	-
256 - 276	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

All intervals have both washed and unwashed samples.

Landmark Baptist Church  
Owner: E. G. Wade, Jr.  
Driller: W. E. Gammon  
County: Henrico

W# 5421  
C# 228  
Total depth: 276'

Depth  
(feet)

WELL LOG

0- 27	Sand, clay coated - dark yellow orange (10YR 6/6); fine to very coarse, sub-angular to sub-rounded; poor sorting; quartz.
27- 48	Gravel - dark yellow orange (10YR 6/6); 10% granule & pebbles; sand as above.
48- 69	Gravel - as above.
69- 90	Clay - light olive gray (5Y 6/1); sparse sand, very fine to granule - rest as above.
90-111	Clay - light olive gray (5Y 6/1); abundant clasts of gray, orange; moderate sand, fine to granule; rest as above.
111-131	Clay - light olive gray (5Y 6/1); abundant sand - as above.
131-152	Clay - light olive gray (5Y 6/1); clay with tan, orange areas; moderate sand, fine to coarse; some granules; 10% glauconite; black phosphatic granules; mica.
152 - 173	Clay - light olive gray (5Y 6/1); 15% glauconite.
173-194	Clay - olive gray (5Y 4/1); abundant sand; largely medium; few coarse and very coarse; some pebbles; 8% glauconite; 1% shell fragments, forams - <u>Robulus</u> ; lignite; mica.
194-214	Gravel - light olive gray (5Y 6/1); sparse clay; medium to pebble sub-angular to rounded; poorly sorted; quartz; 20% pebbles.
214-235	Sand - moderate yellow brown (10YR 5/2); moderate clay in clasts of orange, tan, white; medium to granule, sub-angular; poorly sorted; quartz; 6% glauconite; some shell bits; feldspar.
235-256	Gravel - dark yellow gray (5Y 8/2); 50% <sup>iron</sup> <del>iron</del> pebbles; sparse clay clasts; sand - medium to very coarse; 10% glauconite.
256-276	Sand - dark yellow gray (5Y 8/2); moderate clay in clasts; medium to pebble; poor sorting; 8% glauconite; clasts of quartzite; iron cemented grains.

Logged by: Joan K. Polzin

April 17, 1980