

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 5015  
C#: 224

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

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Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road  
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Lonnie Parrish Mailing Address: 1702 Stoney Run Parkway  
Richmond, VA 23223

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

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: P. O. Box 27186  
Richmond, VA 23261

WELL LOCATION: County Henrico Approx. 1/2 ~~x1/2~~ miles Southwest (direction) of  
I 64 and 200 ~~x1/2~~ feet Northeast (direction) of Stoney Run Parkway

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

DATE STARTED: 11-28-77 DATE COMPLETED: 12-9-77

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 148 feet

WATER LEVEL: Stands 64'3" feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Pump  
Drawdown 24 feet  
Rate 5 gal. per min.  
Duration 4 hrs., \_\_\_\_\_ min.

HOLE SIZE: 8 3/4 inches from 0 to 20 feet  
6 3/4 inches from 20 to 148 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: 4 inches from 110 to 120 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

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

CASE SIZE: 4 inches from 0 to 110 feet  
4 inches from 120 to 132 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

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

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

GROUTING: Method \_\_\_\_\_  
Material \_\_\_\_\_ Depth 20 feet

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

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

DRILL CUTTINGS SAVED: 15 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: Sylvester Kyger

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	1	Top soil	
1	5	Sandy rocks	
5	40	Gray and brown clay	
40	50	Hard sandy rock	
50	52	Hard sand and gravel	
65	72	Gravel and clay mixed	
72	76	Gray clay	
76	120	Hard sand and gravel	
120	148	Hard gravel and gray clay	



OWNER: Lonnie Parrish  
DRILLER: Sydnor Hydrodynamics  
COUNTY: Henrico (Richmond)

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TOTAL DEPTH: 148'  
QUAD.: Glen Allen

GEOLOGIC LOG

Depth  
(feet)

- 0-10 Clay and sand — light olive gray; abundant clay—light olive gray, medium gray, moderate yellow, dark yellowish orange; moderate sand; very fine to fine grained, some coarse grains, 10% angular to sub-rounded gravel; subangular to subrounded; poorly sorted; quartz; feldspar; some muscovite; some glauconite.
- 10-20 Clay — grayish orange pink, light gray; slightly silty; moderate sand; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; few grains of glauconite; muscovite.
- 20-30 Clay — light gray, grayish orange pink; some glauconite; some quartz; muscovite.
- 30-40 Clay — olive gray, grayish orange pink, light gray; abundant sand; fine to medium grained, some coarse grains, some granules; sub-angular to subrounded; moderately sorted; quartz; 10% glauconite; few black phosphatic fragments; muscovite; few grains of feldspar.
- 40-50 Sand — light olive gray; coarse grained to granular; angular to subrounded; moderately well sorted; quartz; 3% glauconite; some shell fragments; pyrite.
- 50-60 Sand and granules — light olive gray; slightly clayey; medium to very coarse grained, 50% granules, 3% pebbles; angular to sub-rounded; poorly sorted; quartz; feldspar; 3% glauconite; some muscovite; few grains of garnet.
- 60-70 Gravel — dusky yellow; moderate clay; moderate coarse grained to granular sand; angular to subrounded; poorly sorted; quartz; feldspar; some glauconite; some muscovite.
- 70-80 As above except light olive gray; few grains of glauconite.
- 80-90 Sand and granules — light olive gray; slightly clayey (clasts); coarse to very coarse grained, some medium grains, 40% granules, 15% pebbles; angular to subrounded; poorly sorted; quartz; feldspar; few grains of glauconite; feldspar.
- 90-100 Sand and gravel — light olive gray; slightly clayey (clasts); coarse grained to granular, 50% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar.

Depth  
(feet)

- 100-110 Same as 90-100.
- 110-120 Sand — white; coarse grained to granular, some medium grains, 7% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; few grains of garnet.
- 120-130 Sand — light olive gray; moderate clay; medium to very coarse grained, some granules, some pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; few grains of glauconite; muscovite.
- 130-140 Sand — off white; slightly clayey; medium grained to gravel (20%); subangular to subrounded; poorly sorted; quartz; feldspar; some glauconite; muscovite.
- 140-148 Gravel — off white; slightly sandy; medium grained to granular; subangular to subrounded; moderately well sorted; quartz; feldspar; some biotite; some muscovite.

Logged by: Michael T. Currie

OWNER: Lonnie Parrish -3- W# 5015

Do Not Type  
GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0-10	10	Columbia Group	Pleistocene
10-40	30	Marlboro Clay	Eocene
40-50	10	Mattaponi Formation	Eocene-Cretaceous
50-148	98	Patuxent Formation	Cretaceous

VIRGINIA DIVISION OF MINERAL RESOURCES  
David A. Hubbard, Jr., Geologist  
December 1, 1978