

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:
B 3667
Charlottesville, VA 22903

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

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: Town of Stony Creek, Well #H-3 Mailing Address: Stony Creek, Virginia

TENANT: _____ Mailing Address: _____

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: 1305 Brook Rd., Richmond, Va.

WELL LOCATION: County Sussex Approx. 600 ^{feet}~~miles~~ east (direction) of
ACL Railroad and 800 ^{feet}~~miles~~ south (direction) of St. Rt. 40

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

DATE STARTED: 8/28/68 DATE COMPLETED: 9/6/68

TYPE OF DRILL RIG USED: rotary TOTAL DEPTH 111 feet

WATER LEVEL: Stands 14 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method pump
Drawdown 25 feet
Rate 60 gal. per min.
Duration 12 hrs., 0 min.

HOLE SIZE: 12 inches from 0 to 111 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER ZONES: from 50 to 77 feet
from _____ to _____ feet
from _____ to _____ feet

SCREEN SIZE: 6 inches from 55 to 75 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER: Color clear Taste ok
Odor none Temp. _____ °F

CASE SIZE: 6 inches from +2 to 55 feet
6 inches from 75 to 111 feet
_____ inches from _____ to _____ feet

WELL TO SUPPLY: (check one) Home _____
Farm _____ Town X School _____
Industry _____ Other _____

GROUTING: Method pressure
cement -
Material water Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes X No _____

PUMP: Type submersible (test)
Capacity _____ gal. per min
Depth of intake _____ feet

DRILL CUTTINGS SAVED: Yes X 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: _____

OWNER: Town of Stony Creek, Well # H-3
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Sussex (Stony Creek)

VDMR: 2315
WWCR: 223
TOTAL DEPTH: 111'

GEOLOGIC LOG

Depth
in feet

COLUMBIA GROUP (0-10')

0-10 Clay — tan, locally orange, sandy; sand is fine to very fine, very well-sorted; feldspathic; trace of muscovite

PATUXENT FORMATION (10-110')

10-20 Gravel and sand — brownish-gray, slightly clayey; 60% fine (2-5 mm), well-sorted, poorly rounded gravel, comprising quartz, feldspar, and fragments of quartzite and granite; 35% medium to very coarse, angular, feldspathic and slightly lithic sand; brown epidote and pink garnet are common

20-30 Sand — gray, trace of clay; medium to very coarse, fairly well-sorted; angular to very angular quartz, subrounded feldspar, and a few rock fragments

30-40 "

40-50 "

50-60 " coarse to very coarse

60-70 Sand — gray, trace of clay, 5% granule gravel; medium to very coarse, fairly well-sorted (skewed coarse); very feldspathic; garnet and epidote common

70-80 " coarse to very coarse, well-sorted

80-90 Gravel — gray, trace of clay; very well-sorted granule gravel, consisting of 55% angular to subangular quartz, and 40% subrounded to rounded gray, alkalic feldspar

90-100 Gravel and sand — gray, trace of clay; 85% fine (2-8 mm), well-sorted, feldspathic gravel, and 10-15% fine to very coarse, poorly sorted, feldspathic sand; small amount of garnet

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#2315

100-110 Gravel — gray; fine (5-10 mm), well-sorted, subrounded;
quartz, rock fragments, and subordinate feldspar

110-111 No sample

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-10'	Columbia Group	Pleistocene
10-110'	Patuxent Formation	Early Cretaceous
110-111'	No sample	—

Virginia Division of Mineral Resources
Robert H. Teifke, Geologist
December 3, 1968