

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W# 4434
C# 213

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B 3667
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: ICI United States Mailing Address: P.O. Box 411 Hopewell, VA. 23860

TENANT: _____ Mailing Address: _____

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: 2111 Magnolia Street Richmond, VA. 23223

WELL LOCATION: County Chesterfield Approx. 3000 ^{feet} North (direction) of
St. Rd. 827 and 1000 ^{feet} East (direction) of Discovery Rd.

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

DATE STARTED: 7/17/75 DATE COMPLETED: 8/8/75

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 110 ^{*} feet

WATER LEVEL: Stand 26'6 1/2" feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method pumped
Drawdown 2'8" feet
Rate 400 gal. per min.
Duration 48 hrs., _____ min.

HOLE SIZE: 25 inches from 0 to 50 feet
17 1/2 inches from 50 to 108 feet
9 7/8 inches from 108 to 110 feet
SCREEN SIZE: 8 inches from 58 to 83 feet

WATER ZONES: from 58 to 83 feet
from _____ to _____ feet
from _____ to _____ feet

_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
CASE SIZE: 18 inches from +1 to 50 feet
8 inches from +2 to 58 feet
8 inches from 83 to 102 feet

WATER: Color _____ Taste _____
Odor _____ Temp. _____ °F

GROUTING: Method _____
Material _____ Depth 50 feet

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

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

WATER ANALYSIS AVAILABLE: Yes X No _____

DRILL CUTTINGS SAVED: 11 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: * Depth of completed well 102

Owner: I. C. I. United States
Driller: Sydnor
County: Chesterfield

W# 4434
C# 213
Total Depth: 110'
Quad.: Hopewell

GEOLOGIC LOG

Depth
(feet)

- 0-10 Sand - grayish orange; moderate clay; fine to medium grained, some coarse grains; subangular to subrounded; moderately sorted; quartz; feldspar; few opaques.
- 10-20 Sand - grayish orange; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; feldspar; few grains of glauconite; few opaques.
- 20-30 As above plus some granules; moderately sorted.
- 30-40 As above except some glauconite.
- 40-50 Sand - off white; coarse to very coarse grained, some granules; subrounded; moderately well sorted; quartz; feldspar; few grains of glauconite; garnet.
- 50-60 As above plus some pebbles; moderately sorted; angular to subrounded.
- 60-70 Sand - white; coarse grained to granular; angular to subrounded; moderately sorted; quartz; feldspar; few grains of glauconite; garnet.
- 70-80 Sand - white; coarse to very coarse grained, some medium grains; subangular to subrounded; moderately sorted; quartz; feldspar; few grains of glauconite.
- 80-90 As above except angular to subrounded.
- 90-100 Granules - yellowish gray; slightly clayey; abundant coarse grained sand; subrounded; moderately sorted; quartz; feldspar; few flakes of muscovite.
- 100-110 Sand and granules; slightly clayey; coarse grained to granular (40%); subrounded; moderately sorted; quartz; feldspar; muscovite.

Note: All samples are unwashed.

Logged by: Michael T. Currie