

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2489
C-65

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

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: Dow Badische, well #8 Mailing Address: P.O. Drawer D
Williamsburg, Virginia

TENANT: _____ Mailing Address: _____

DRILLER: Sydnor Hydrodynamics, Incorporated Mailing Address: 1305 Brook Rd., Richmond, Virginia

WELL LOCATION: County Warwick Approx. 5 ^{feet}/_{miles} southeast (direction) of
Williamsburg and 1 ^{feet}/_{miles} south (direction) of U.S. Highway 60

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

DATE STARTED: February 17, 1969 DATE COMPLETED: March 4, 1969

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 162' feet

WATER LEVEL: Stands 36 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Turbine pump

Drawdown 19 feet

Rate 350 gal. per min.

Duration 12 hrs., _____ min.

WATER ZONES: from 78 to 88 feet

from 98 to 118 feet

from _____ to _____ feet

WATER: Color clear Taste O.K.

Odor none Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry X Other _____

WATER ANALYSIS AVAILABLE: Yes X No _____

DRILL CUTTINGS SAVED: Yes 16 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: Electric log run by driller

HOLE SIZE: 19 inches from 0 to 130 feet

9 1/2 inches from 130 to 162 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: 8 inches from 78 to 88 feet

8 inches from 98 to 118 feet

_____ inches from _____ to _____ feet

CASE SIZE: 10 inches from +1'6" to 77 feet

10 x 8 inches from 77 to 88 feet

8 inches from 88 to 98 feet

8 inches from 118 to 123 feet

GROUTING: Method Pressure

Material cement & water Depth 50 feet

PUMP: Type _____

Capacity _____ gal per min

Depth of intake _____ feet

LOG

FURNISHED BY Sydnor Hydrodynamics, Incorporated DATE: March 5, 1969

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	19	Brown clay	
19	30	Blue clay	
30	40	Fine gray and black sand- some clay	
40	60	Gray clay	
60	75	Gray clay and sand	
75	80	Coarse gray sand	
80	103	Green clay- sand	
103	120	Coarse gray sand	
120	125	Gravel	
125	130	Blue clay- gravel	
130	135	Blue clay, fine sand and shells	
135	140	Fine sand- blue clay	
140	162	Blue clay	

OWNER : Dow Badische #8
DRILLER: Sydnor Hydrodynamics
COUNTY : Warwick (Lee Hall)

W# : 2489
C# : 65
TOTAL DEPTH: 162'
QUAD :

GEOLOGIC LOG

Depth
(feet)

- 0-10 Clay- yellowish-gray; abundant sand; fine grained; subangular to subrounded; well sorted; quartz; few flakes of muscovite; glauconite; pyrite.
- 10-20 Clay and sand- yellowish-gray; abundant clay; moderate sand; fine to coarse grained; subangular to subrounded; moderately well sorted; quartz; 2% ferricrete; some glauconite; feldspar; few opaques; muscovite.
- 20-30 Clay- yellowish-gray; abundant sand; fine grained; subangular to subrounded; well sorted; quartz; some glauconite; few black phosphatic fragments; muscovite; ferricrete; apatite.
- 30-40 Sand- yellowish-gray; slightly clayey; fine grained; subangular to subrounded; well sorted; quartz; some glauconite; few black phosphatic fragments; biotite; muscovite; apatite.
- 40-50 Clay- light olive gray; slightly sandy; fine to medium grained; subangular to subrounded; moderately well sorted; lignite; quartz; few flakes of muscovite; biotite.
- 50-60 As above plus few diatoms.
- 60-70 Clay- light olive gray; moderate silt; moderate sand; fine to medium grained, some coarse grains; subangular to subrounded; moderately well sorted; quartz; some lignite; glauconite; muscovite.
- 70-80 Sand- yellowish-gray; slightly clayey; coarse to very coarse grained, some medium grains, 3% granules; subangular to subrounded; moderately sorted; quartz; feldspar; some glauconite; muscovite; few opaques.
- 80-90 As above except olive light gray; moderate clay.
- 90-100 Sand- yellowish-gray; slightly clayey; moderate silt; fine to coarse grained, 5% granules, few pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; 3% glauconite; some muscovite.
- 100-110 Sand- yellowish-gray; coarse to very coarse grained; subrounded; well sorted; quartz; feldspar; few grains of glauconite; muscovite.

Depth
(feet)

- 110-120 As above.
- 120-130 Granules and gravel- yellowish-gray; subrounded; moderately well sorted; quartz; feldspar; few shell fragments.
- 130-140 Sand- light olive gray; moderate clay; slightly silty; medium to coarse grained, some fine grains, 2% granules, 7% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; 2% shell fragments; some glauconite; few flakes of muscovite.
- 140-150 Sand- light olive gray; moderate clay; moderate silt; medium grained to granular; some fine grains, 5% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; 2% shell fragments; 2% glauconite; some muscovite; few grains of garnet; apatite.
- 150-160 As above except 7% shell fragments; some ferricrete.
- 160-162 No sample.

Logged by: Michael T. Currie
July 16, 1979