

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-4774
C-186

MAILING ADDRESS:
Box 3667
Charlottesville, VA 22903

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

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: C. E. Aigner Mailing Address: P. O. Box 37
Mechanicsville, Virginia 23111

TENANT: Italian Kitchen Mailing Address: Same
P. O. Box 27186

DRILLER: Sydnor Hydrodynamics, Incorporated Mailing Address: Richmond, Virginia 23261

WELL LOCATION: County Hanover Approx. 400 ^{feet}/_{miles} east (direction) of
State Road 643 and 1000 ^{feet}/_{miles} north (direction) of U. S. Highway 360

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

DATE STARTED: December 6, 1976 DATE COMPLETED: December 17, 1976

TYPE OF DRILL RIG USED: rotary TOTAL DEPTH 340 feet

WATER LEVEL: Stands 167'5" feet below surface OR Completed at 316 feet
has NATURAL flow of gallons per minute

YIELD TEST: Method pump
Drawdown 16 feet
Rate 47 gal. per min.
Duration 24 hrs., min.

HOLE SIZE: 12 inches from 0 to 340 feet
 inches from to feet
 inches from to feet

WATER ZONES: from to feet
from to feet
from to feet

SCREEN SIZE: 4 inches from 280 to 290 feet
4 inches from 304 to 314 feet
 inches from to feet

WATER: Color Taste
Odor Temp. °F

CASE SIZE: 6 inches from +2 to 280 feet
4 inches from 290 to 304 feet
4 inches from 314 to 316 feet

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

GROUTING: Method yes
Material Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes X No
By: Froehling and Roberts
DRILL CUTTINGS SAVED: Yes 34 No

PUMP: Type
Capacity gal per min
Depth of intake feet

(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 by driller.

LOG

FURNISHED BY: Earl Seay, Jr.

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	20	Yellow and red sandy clay	
20	41	Yellow sand, gravel, and clay	
41	56	Blue clay	
56	116	Blue, gray, and green clay	
116	176	Green and dark gray clay	
176	190	Dark gray sandy clay	
190	200	Shells, rock, and dark gray sandy clay	
200	221	Gray sand and gray sandy clay	
221	236	White and green sandy clay with sand and rock streaks	
236	251	Sand, gravel, rock, and some clay	
251	266	Sand, clay, and rock mixed	
266	280	Coarse sand and rock	
280	296	Sand and gravel	
296	311	Gray sand and gravel	
311	340	White clay, sand and rock mixed	

(Use additional forms if necessary)

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

INTERVAL SHEET

Page 1 of 1

C-186

Well Repository No.: W-4774

Date rec'd: 01/11/77 Date Processed: 06/22/77

Sample Interval: from 0 to: 340

PROPERTY: Italian Kitchen (C. E. Aigner)

Number of samples: 34

COMPANY: Sydnor Hydrodynamics

Total Depth: 340'

COUNTY: Hanover (Mechanicsville)

Oil or Gas: Water:x Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10	300-10	-	-	-
10-20	10-20	-	-	-
20-30	20-30	-	-	-
30-40	30-40	-	-	-
40-50	-	-	-	-
50-60	-	-	-	-
60-70	-	-	-	-
70-80	-	-	-	-
80-90	-	-	-	-
90-100	-	-	-	-
100-10	-	-	-	-
10-20	-	-	-	-
20-30	-	-	-	-
30-40	-	-	-	-
40-50	-	-	-	-
50-60	-	-	-	-
60-70	-	-	-	-
70-80	-	-	-	-
80-90	-	-	-	-
90-200	-	-	-	-
200-10	-	-	-	-
10-20	-	-	-	-
20-30	-	-	-	-
30-40	-	-	-	-
40-50	-	-	-	-
50-60	-	-	-	-
60-70	-	-	-	-
70-80	-	-	-	-
80-90	-	-	-	-
90-300	-	-	-	-
-	-	Washed and unwashed samples	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

OWNER : Italian Kitchen (C. E. Aigner) W# : 4774
DRILLER: Sydnor Hydrodynamics C# : 186
COUNTY : Hanover (Mechanicsville) TOTAL DEPTH: 340'
 QUAD : Seven Pines

GEOLOGIC LOG

Depth
(feet)

0-10 Sand- pale yellowish-brown; slightly clayey; medium to coarse grained, some granules; subangular to subrounded; moderately well sorted; quartz; feldspar; some opaques.

10-20 As above except no clay; few opaques.

20-30 Sand- dark yellowish-orange; some stained grains; slightly clayey; medium grained to granular, some pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; some ferricrete; some opaques.

30-40 Sand- grayish-orange; medium to coarse grained, 2% granules; subangular to subrounded; moderately well sorted; quartz; feldspar; some opaques.

40-50 Clay- olive light gray; moderate sand; fine to medium grained, few granules, few pebbles; subangular to subrounded; moderately well sorted; quartz; some muscovite; few opaques.

50-60 Clay and sand- olive light gray; abundant clay; moderate sand; fine to coarse grained; subangular to subrounded; moderately sorted; quartz; few opaques.

60-70 As above.

70-80 As above except fine to medium grained, some coarse grains; moderately well sorted.

80-90 As above except medium to coarse grained, some fine grains; some black phosphatic material.

90-100 Sand- olive light gray; abundant clay; medium to coarse grained, some fine grains; subangular to subrounded; moderately well sorted; quartz; some glauconite; some black phosphatic material; few flakes of muscovite.

100-110 Sand- olive light gray; moderate clay; fine to medium grained; subangular to rounded; moderately well sorted; quartz; 40% glauconite; some muscovite; few shell fragments.

Depth
(feet)

- 110-120 Clay- olive light gray, light gray; abundant sand; fine grained, some medium grains; subangular to subrounded; well sorted; quartz; glauconite 10% of sand sized fraction; some muscovite; few black phosphatic fragments; few shell fragments.
- 120-130 As above plus some coarse grains; moderately well sorted.
- 130-140 As above except no shell fragments.
- 140-150 Clay- olive light gray, very light gray; moderate sand; fine grained, some medium grains; subangular to subrounded; well sorted; quartz; glauconite 7% of sand sized fraction; few flakes of muscovite; few black phosphatic fragments.
- 150-160 As above.
- 160-170 As above plus few granules; few black phosphatic fragments inc. shark's tooth; few shell fragments.
- 170-180 As above except abundant sand; 7% shell fragments.
- 180-190 Sand- olive light gray; slightly silty; moderate clay; fine to medium grained, some very coarse grains; subangular to subrounded; moderately well sorted; quartz; 10% glauconite; 7% shell fragments; few flakes of muscovite; few black phosphatic fragments; forams (inc. Robulus).
- 190-200 Sand- light olive gray; moderate clay- light olive gray, grayish-yellow; fine grained to granular, 5% pebbles; subangular to subrounded; poorly sorted; quartz; 5% glauconite; some feldspar; some shell fragments; few flakes of muscovite.
- 200-210 Sand- yellowish-gray; coarse grained, some medium grains, 5% granules; subangular to subrounded; moderately well sorted; quartz; feldspar; 3% glauconite; few flakes of muscovite.
- 210-220 As above plus some very coarse grains; moderately sorted.
- 220-230 As above except 10% granules, some pebbles.
- 230-240 Sand and gravel- yellowish-gray; coarse grained to granular, 35% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; some glauconite; few flakes of muscovite.
- 240-250 As above except sand; 10% pebbles.

Depth
(feet)

- 250-260 As above except 20% pebbles.
- 260-270 Sand- off-white; some moderately stained grains; coarse to very coarse grained, some medium grains, 5% granules; subangular to subrounded; moderately sorted; quartz; feldspar; 2% glauconite; few flakes of muscovite.
- 270-280 As above except coarse grained to granular.
- 280-290 Sand- off-white; medium to very coarse grained, some granules; subangular to subrounded; moderately sorted; quartz; feldspar; 3% glauconite; few flakes of muscovite.
- 290-300 As above.
- 300-310 Sand- off-white; coarse grained to granular, some pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; some glauconite; few flakes of muscovite.
- 310-320 As above except coarse grained, some very coarse grains, some granules; moderately well sorted.
- 320-330 As above except 5% granules, few pebbles.
- 330-340 As above except some granules, some pebbles.

Logged by: Michael T. Currie
June 4, 1979