

OWNER: Holly Farms Poultry Ind. , Well #4
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Accomack (Temperanceville)

VDMR: 2096
WWCR: 330
TOTAL DEPTH: 330'

GEOLOGIC LOG

Depth in feet

COLUMBIA GROUP (0-70')

0-10	Sand - tan, moderately clayey, 10% fine gravel (2-10 mm); fine- to coarse-grained, fairly well-sorted, angular to rounded; slightly feldspathic; traces of muscovite and garnet
10-20	" "
20-30	" "
30-40	" 20% granule gravel
40-50	Sand and Gravel - tan, slightly clayey; 50% fine (2-10 mm), rounded gravel; 50% fine- to coarse-grained, moderately sorted, slightly-feldspathic quartz sand
50-60	" 70% gravel, 30% sand; moderately feldspathic
60-70	" 85% gravel, 15% sand; feldspathic

YORKTOWN FORMATION (70-250')

70-80	Sand - gray, uniformly clayey, a few small pebbles; fine- to medium-grained, fairly well-sorted, angular to sub-angular; much of quartz has greenish cast; 3-5% glauconite; traces of muscovite and garnet
80-90	" "
90-100	" "
100-110	" "
110-120	" "
120-130	" "

OWNER: Holly Farms Poultry Ind. , Well #4

#2096

130-140	Gravel, Shell, and Sand - gray, moderately clayey; subequal amounts of fine (10 mm) gravel, coarse pelecypod shell fragments, and very poorly-sorted sand; minor glauconite and feldspar; gravel consists of quartz with some chert and calcitic sandstone fragments
140-150	" "
150-160	" "
160-170	Gravel and Sand - gray, slightly clayey, a few shell fragments; medium- to very coarse-grained sand (40%) grading into granule gravel (2-4 mm); slightly feldspathic; chert-bearing; minor garnet
170-180	" 75% granule gravel
180-190	Sand - gray, slightly clayey, 15% fine gravel, mostly granule grade, 5% shell fragments; fine- to very coarse-grained, poorly sorted, angular to rounded; trace of glauconite; garnet common
190-200	" "
200-210	" 30% fine gravel
210-220	" 50% granule gravel
220-230	Sand and Shell - gray, slightly clayey, 10% fine (6-10 mm) gravel; fine- to very coarse-grained, poorly sorted, angular to rounded; very slightly glauconitic
230-240	" "
240-250	" "

CALVERT FORMATION (250-330')

250-260	Sand and Shell - gray, slightly to moderately clayey, 10% fine gravel; 45% pelecypod shell fragments; 45% fine- to very coarse-grained, poorly sorted, variably rounded sand; sand is 10-15% glauconite
260-270	" "
270-280	" "
280-290	" "

OWNER: Holly Farms Poultry Ind. , Well #4

#2096

290-300	Shell and Sand - gray, slightly clayey, 5% fine gravel; 70% pelecypod shell fragments; 25% coarse, rounded quartz sand; very-slightly glauconitic; minor pyrite
300-310	" sand is fine- to coarse-grained, angular to rounded; 5% of sand is glauconite
310-320	" "
320-330	" "

GEOLOGIC SUMMARY

	<u>Rock Name</u>	<u>Age</u>
0-70'	Columbia Group	Pleistocene
70-250'	Yorktown Formation	Late Miocene
250-330'	Calvert Formation	Middle Miocene

Virginia Division of Mineral Resources
 Robert H. Teifke, Geologist
 February 12, 1968

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:
Box 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Holly Farms Poultry Industry, Inc. Mailing Address: P. O. Box 88, Wilkesboro, N. C.

TENANT: Plant Site, Well #4 Mailing Address: Temperanceville, Va.

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

WELL LOCATION: County Accomack Approx. 175 ^{feet}/_{miles} north (direction) of

of south property line and 3,100 ^{feet}/_{miles} west (direction) of U. S. Hwy. 13
1 mile south of Temperanceville, Virginia

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

DATE STARTED: November 9, 1967 DATE COMPLETED: December 6, 1967

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 330 feet

WATER LEVEL: Stands 23 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Turbine
Drawdown 18' 9" feet
Rate 195 gal. per min.
Duration 8 hrs., _____ min.

HOLE SIZE: 22 inches from 0 to 74 feet
17 inches from 74 to 295 feet
9-7/8 inches from 295 to 330 feet

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

SCREEN SIZE: 8 inches from 132 to 140 feet
8 inches from 156 to 170 feet
6 inches from 196 to 208 feet
6 inches from 214 to 222 feet
6 inches from 226 to 234 feet
6 inches from 272 to 287 feet

WATER: Color Clear Taste Ok
Odor None Temp. _____ °F

CASE SIZE: 8 inches from 0 to 132 feet
8 inches from 140 to 156 feet
8 inches from 170 to 194 feet
6 inches from 194 to 196 feet
6 inches from 208 to 214 feet
6 inches from 222 to 226 feet
6 inches from 234 to 272 feet
6 inches from 287 to 292 feet

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

GROUTING: Method _____
Material cement/water Depth 74 feet

WATER ANALYSIS AVAILABLE: Yes X No _____

PUMP: Type _____
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: Electric log ran by driller

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc. DATE: December 18, 1967

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	7	Clay and sand	
7	70	Sand and gravel	
70	110	Blue clay	
110	115	Gravel	
115	135	Blue clay	
135	165	Blue clay and shell streaks	
165	215	Blue clay, sand and shells	
215	235	Hard shells	
235	245	Sand and shells	
245	250	Hard clay	
250	267	Soft clay and green sand	
267	270	Hard shells	
270	290	Rough shells	
290	330	Sand and shell rock	

(Use additional forms if necessary)

INTERVAL SHEET

Page 1 of 1

WWCR: 330
VDMR Well No: 2096

Date rec'd: 1/24/68

Sample Interval: from 0 to: 330'

PROP: Holly Farms Poul. Ind.
(Temperanceville Plant, Well #4)

Number of samples: 33

COMP: Sydnor Hydrodynamics

Total Depth: 330'

COUNTY: Accomack
(Temperanceville)

Oil or Gas: Water:X Exploratory:

From-To	From-To	From-To	From-To
0 - 10	300 - 310	-	-
10 - 20	310 - 320	-	-
20 - 30	320 - 330	-	-
30 - 40	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
110 - 120	-	-	-
120 - 130	-	-	-
130 - 140	-	-	-
140 - 150	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-
250 - 260	-	-	-
260 - 270	-	-	-
270 - 280	-	-	-
280 - 290	-	-	-
290 - 300	-	-	-

All intervals have both washed and unwashed samples