

INTERVAL SHEET WWCR: 334

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VDMR Well No: 2188

Date rec'd: 5/21/68

Sample Interval: from 0 to: 320'

PROP: Holly Farms Poultry Industries,
Well #5

Number of samples: 32

COMP: Sydnor Hydrodynamics, Inc.

Total Depth: 325'

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	-	-	-
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

OWNER: Holly Farms Poultry Industries, Well #5
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Accomack (Temperanceville)

VDMR: 2188
WWCR: 334
TOTAL DEPTH: 325'

GEOLOGIC LOG

Depth in
feet

COLUMBIA GROUP (0-150')

0-10	Sand — tan, trace of clay; fine- to coarse-grained, moderately-sorted, subangular to subrounded; clear and yellow-stained quartz; slightly feldspathic; minor amount of chert; traces of hornblende and garnet
10-20	"
20-30	Sand — tan, clean; medium-grained, fairly well-sorted, subangular to subrounded; clear quartz with minor amount of feldspar; traces of chert, glauconite, muscovite, garnet, magnetite, epidote, and hornblende
30-40	Sand — brownish-gray, trace of clay; medium-to very coarse-grained, fairly well-sorted (skewed fine), subangular to subrounded; feldspathic; traces of chert, glauconite, magnetite and garnet
40-50	" medium-to coarse-grained, well-sorted
50-60	" "
60-70	Sand — tan, clean; medium- to very coarse-grained, fairly well-sorted, subangular to subrounded; moderately feldspathic, very slightly lithic
70-80	Sand — gray, clean; medium-to coarse-grained, well-sorted, subangular to subrounded; moderately feldspathic; traces of garnet and glauconite
80-90	" medium-grained, well-sorted
90-100	Sand — tan, clean; very coarse-grained (2 mm), very well-sorted, subrounded; moderately feldspathic; a very few rock fragments
100-110	" medium-to very coarse-grained, moderately-sorted (skewed coarse), subangular to rounded

OWNER: Holly Farms Poultry Industries, Inc., Well #5 #2188

- 110-120 Sand — tan, clean; very coarse-grained (2 mm), very well-sorted, subrounded; moderately feldspathic, slightly lithic
- 120-130 Gravel — tan, very slightly clayey; fine-grained (2-20 mm), moderately-sorted, subrounded to rounded; quartz, feldspar, sandstone, and abraded shell fragments (in order of abundance)
- 130-140 " fine-grained (2-10 mm), fairly well-sorted
- 140-150 " fine-grained (2-20 mm), moderately-sorted

YORKTOWN FORMATION (150-260')

- 150-160 Sand and Gravel -- gray, very slightly clayey, 3-5% pelecypod shell fragments and a few corals; about 50% subrounded-to-rounded granule gravel (2-4 mm); about 50% fine-to medium-grained, fairly well-sorted, subangular quartz sand with greenish cast, and 2-3% glauconite
- 160-170 " 70% granule gravel, 30% sand
- 170-180 " 60% granule gravel, 40% sand
- 180-190 "
- 190-200 Sand — gray with greenish cast, clean, 5% pelecypod shell fragments; fine-to very coarse-grained, poorly-sorted, angular to rounded; clear-and yellow-stained quartz, with 5% allochthonous, decomposed glauconite; minor amounts of feldspar, muscovite, and chert
- 200-210 "
- 210-220 " with 30% small, decomposed shell fragments
- 220-230 " with 40% small, decomposed shell fragments
- 230-240 Shell and Sand — clean; 75% small (2-6 mm) abraded pelecypod shell fragments; 25% fine-to coarse-grained, moderately-sorted, angular to subrounded, slightly-glauconitic quartz sand; trace of garnet

OWNER: Holly Farms Poultry Industries, Inc., Well #5

#2188

240-250 Sand, Gravel, and Shell — gray, clean; 15% small pelecypod shell fragments, 15% rounded granule gravel, and 70% fine- to coarse-grained, moderately-sorted, angular-to well-rounded sand; sand is moderately glauconitic; minor amounts of pyrite and garnet

250-260 "

CALVERT FORMATION (260-320')

260-270 Sand — gray, clean; a few shell fragments; fine- to medium-grained, fairly well-sorted, subangular to subrounded; 90% quartz, 10% glauconite; traces of garnet, pyrite, and muscovite

270-280 " fine-grained, well-sorted, angular to subangular; 5% glauconite

280-290 "

290-300 Sand and Shell — gray, very slightly clayey; 20% small pelecypod shell fragments; 80% fine- to medium-grained, fairly well-sorted, angular- to well-rounded sand; clear quartz, with traces of glauconite and garnet; a few gastropods, echinoid spines, and sandstone fragments

300-310 "

310-320 " very fine- to medium-grained; a very few foraminifers

320-325 No sample

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-150'	Columbia Group	Pleistocene
150-260'	Yorktown Formation	Late Miocene
260-320'	Calvert Formation	Middle Miocene
320-325'	No sample	

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

VDMR - 2188
WWCR - 334

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 Industries, Inc. Mailing Address: N. Wilkesboro, N. C.

TENANT: Holly Farms Poultry Industries, Inc. Mailing Address: Temperanceville, Va.

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

WELL LOCATION: County Accomack Approx. 4300 ^{feet}/_{miles} west (direction) of
U.S. Route 13 and 1 ^{mile}/_{miles} south (direction) of Temperanceville

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

DATE STARTED: 3-29-68 DATE COMPLETED: 4-25-68

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 325 feet

WATER LEVEL: Stands 34 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Turbine
Drawdown 41 feet
Rate 421 gal. per min.
Duration 2 hrs., _____ min.

HOLE SIZE: 22 inches from 0 to 87 feet
17 inches from 87 to 124 feet
13 inches from 124 to 325 feet

WATER ZONES: from 130 to 285 feet
(see screens ->)
from _____ to _____ feet
from _____ to _____ feet

SCREEN SIZE: 8 inches from 130 to 138 feet
8 " " 152 " 166 "
6 inches from 196 to 208 feet
6 " " 214 " 222 "
6 inches from 226 to 234 feet
6 " " 270 " 285 "

WATER: Color Clear Taste OK
Odor None Temp. ? °F

CASE SIZE: 18 inches from +8 1/2 to 87 feet
14 " " +8 1/2 " 124 "
8 inches from +2 to 196 feet
6 spacers
6 inches from 196 to 298 3/4 feet

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

GROUTING: Method Pressure
Material Cement & water Depth 87 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: Holly Farm Well #5 backfilled 325 to 298 3/4'
32 samples

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc. DATE: 4-29-68

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	3	Clay	
3	20	Gray and yellow sand	
20	26	Sand--gravel	
26	79	Coarse brown and gray sand	
79	94	Clay and sand mixed	
94	119	Coarse sand and clay mixed	
119	144	Clay, black and gray sand and gravel	
144	169	Little clay--black and gray sand mixed	
169	207	Mostly gray sand with little clay	
207	244	Shells--some sand	
244	265	Clay--black sand--shells	
265	290	Sand--few shells	
290	325	Shells, clay with streaks of sand	