

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 4808
C#: 196

MAILING ADDRESS:

P. 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

WATER WELL COMPLETION REPORT

OFFICE ADDRESS:

McCormick Road
Charlottesville, Virginia

OWNER: C. A. Jenkins & Son Seafood Mailing Address: Rt. 1, Box 85, Hague, Va 22469

TENANT: same Mailing Address: _____

DRILLER: Douglas Drilling Co., Inc. Mailing Address: Box 498, Warsaw, Va. 22572

WELL LOCATION: County Westmoreland Approx. 300 ^{feet}/~~miles~~ South (direction) of
St. Rd. 608 and 0.1 ^{feet}/~~miles~~ East (direction) of intersection
St. Rds. 607 and 608.

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

DATE STARTED: - DATE COMPLETED: Sept. 17, 1975

TYPE OF DRILL RIG USED: rotary TOTAL DEPTH 265 feet

WATER LEVEL: Stands 21 feet below surface OR

has NATURAL flow of - gallons per minute.

YIELD TEST: Method air

Drawdown 50 feet

Rate 40 gal. per min.

Duration one hrs., - min.

WATER ZONES: from - to - feet

from - to - feet

from - to - feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other oyster house

WATER ANALYSIS AVAILABLE: Yes _____ No X

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: _____

HOLE SIZE: 6 1/4 inches from 0 to 147 feet

3 7/8 inches from 147 to 265 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

2 inches from 254 to 264 feet

_____ inches from _____ to _____ feet

CASE SIZE: 4 inches from 0 to 147 feet

2 inches from 147 to 254 feet

2 inches from 264 to 265 feet

GROUTING: Method none

Material - Depth - feet

PUMP: Type -

Capacity _____ gal. per min

Depth of intake _____ feet

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

INTERVAL SHEET

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W#: 4808
 Well Repository No.: C#: 196

Date rec'd: 2/7/77 Date Processed: 7/19/77

Sample Interval: from 0 to: 265

PROPERTY: C. A. Jenkins & Son

Number of samples: 25

COMPANY: Douglas Drilling Co.

Total Depth: 265'

COUNTY: Westmoreland (Kinsale)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To	From-To
0 - 10	-	-	-	-
10 - 21	-	-	-	-
21 - 31	-	-	-	-
31 - 42	-	-	-	-
42 - 52	-	-	-	-
52 - 63	-	-	-	-
63 - 73	-	-	-	-
73 - 84	-	-	-	-
84 - 94	-	-	-	-
94 - 105	-	-	-	-
105 - 115	-	-	-	-
115 - 126	-	-	-	-
126 - 136	-	-	-	-
136 - 147	-	-	-	-
147 - 157	-	-	-	-
157 - 168	-	-	-	-
168 - 178	-	-	-	-
178 - 189	-	-	-	-
189 - 199	-	-	-	-
199 - 210	-	-	-	-
210 - 220	-	-	-	-
220 - 231	-	-	-	-
231 - 241	-	-	-	-
241 - 252	-	-	-	-
252 - 265	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

OWNER: C. A. Jenkins and Sons
DRILLER: Douglas Drilling Co.
COUNTY: Westmoreland

W#: 4808
C#: 196
TOTAL DEPTH: 265'
QUAD: Kinsale

GEOLOGIC LOG

Depth
(feet)

- 0 - 10 Sand - light orange gray; moderate clay-grayish orange, light gray; fine to coarse grained, few granules; subangular to subrounded; moderately sorted; quartz; feldspar; few grains of glauconite; ferricrete.
- 10 - 21 As above except clay and sand; 5% ferricrete.
- 21 - 31 Sand - light olive gray; moderate clay; medium to coarse grained, few granules; subangular to subrounded; moderately well sorted; quartz; 20% shell fragments; few black phosphatic fragments; muscovite; feldspar.
- 31 - 42 As above except sand and clay; moderate clay; abundant sand; 10% shell fragments.
- 42 - 52 Clay - light olive gray; moderate sand; medium to coarse grained, some fine grains, subangular to subrounded; moderately well sorted; quartz; 10% shell fragments; few black phosphatic fragments; glauconite.
- 52 - 63 As above except 5% shell fragments.
- 63 - 73 Sand and clay - light olive gray; moderate clay; abundant sand; fine grained, some medium grains; subangular to subrounded; well sorted, quartz, 5% shell fragments; some gypsum; few black phosphatic fragments.
- 73 - 84 Clay - light olive gray; abundant sand; fine to coarse grained, some granules; subangular to subrounded; moderately sorted; quartz; 3% shell fragments; few black phosphatic fragments; gypsum.
- 84 - 94 Clay - yellowish gray; abundant sand; fine grained; subangular to subrounded; well sorted; quartz; some shell fragments; some black phosphatic material.
- 94 - 105 Sand and clay - light olive gray; moderate clay; abundant sand; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; 7% shell fragments; some gypsum; few black phosphatic fragments.
- 105 - 115 Clay - light olive gray; moderate sand; fine grained, some medium grains; subangular to subrounded; well sorted; quartz; 3% shell fragments; some gypsum; some black phosphatic material; few bone fragments.

Depth
(feet)

- 115 - 126 As above except 2% shell fragments; few grains of glauconite; few black phosphatic fragments.
- 126 - 136 As above except no bone fragments.
- 136 - 147 As above except some shell fragments.
- 147 - 157 Clay - light olive gray; slightly silty; some quartz sand; some diatoms; few black phosphatic fragments; forams scarce (inc. Nonion).
- 157 - 168 Clay - light olive gray; some diatoms; few grains of quartz; muscovite.
- 168 - 178 Clay - light olive gray; few grains of quartz; few diatoms; forams (inc. Nonion, Robulus, and Textularia).
- 178 - 189 As above except forams (inc. Nonion, Robulus, and Uvigerina?).
- 189 - 199 As above except forams scarce (inc. Nonion).
- 199 - 210 Clay - light olive gray; some quartz sand; few shell fragments; few black phosphatic fragments; gypsum; diatoms; forams rare (inc. Robulus).
- 210 - 220 Sand - olive light gray; moderate clay; medium grained, some coarse grains; subangular to subrounded; well sorted; quartz; 20% shell fragments; some black phosphatic material; some glauconite; some sandy limestone fragments; forams rare (inc. Robulus).
- 220 - 231 As above plus few granules; 15% shell fragments; few echinoid spines; bone fragment.
- 231 - 241 Sand and coquina - light gray; medium to coarse grained, few granules; subangular to subrounded; moderately well sorted; 50% sandy limestone and shell fragments; quartz; 5% glauconite; few gypsum crystals; forams common (inc. Buccella, Robulus, Cibicides, and Textularia); few grains of pyrite.
- 241 - 252 As above except sand; 20% sandy limestone and shell fragments; forams (inc. Buccella and Guttulina).
- 252 - 265 Coquina - light gray; slightly sandy; medium to coarse grained; subangular to subrounded; moderately well sorted; 95% sandy limestone and shell fragments; quartz; some glauconite; forams scarce (inc. Buccella); few grains of pyrite.

Logged by: Michael T. Currie
May 2, 1979

GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0- 21	21	Columbia Group	Pleistocene
21-105	84	Choptank (?) Formation	Miocene
105-210	105	Calvert Formation	Miocene
210-265	65	Nanjemoy Formation	Eocene

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
May 3, 1979