

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B 3667
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: June Hutchinson Mailing Address: Tappahannock, Virginia

TENANT: Trailer Court Mailing Address: _____

DRILLER: Douglas & Dickinson, Inc. Mailing Address: Box 409-Tappahannock, VA

WELL LOCATION: County Essex Approx. feet miles (direction) of
near Tappahannock and feet miles (direction) of

(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: June 27, 1968

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH feet

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

YIELD TEST: Method _____
Drawdown 37 feet
Rate 40 gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 6 inches from 0 to 168 feet
5 7/8 inches from 168 to 525 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 503 to 523 feet
from _____ to _____ feet
from _____ to _____ feet

SCREEN SIZE: 2 inches from 503 to 523 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER: Color _____ Taste _____
Odor _____ Temp. _____ °F

CASE SIZE: 4 inches from 0 to 168 feet
2 inches from 168 to 503 feet
2 inches from 523 to 525 feet

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

GROUTING: Method _____
Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____

PUMP: Type _____
Capacity 40 gal. per min
Depth of intake _____ feet

DRILL CUTTINGS SAVED: Yes 49 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: _____

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

INTERVAL SHEET

Page 1 of 1 C-148
 Well Repository No: 3058
 Date rec'd: 3/24/70 ; processed 1/15/71 Sample Interval; from 0 to: 514'
 PROPERTY: J. Hutchinson (Trailer Court) Number of samples: 49
 COMPANY: Douglas & Dickinson Total Depth: 525'
 COUNTY: Essex Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
0 - 10	262 - 273	-	-
10 - 21	273 - 283	-	-
21 - 31	283 - 294	-	-
31 - 42	294 - 304	-	-
42 - 52	304 - 315	-	-
52 - 63	315 - 325	-	-
63 - 73	325 - 336	-	-
73 - 84	336 - 346	-	-
84 - 94	346 - 357	-	-
94 -105	357 - 367	-	-
105 -115	367 - 378	-	-
115 -126	378 - 388	-	-
126 -136	388 - 399	-	-
136 -147	399 - 409	-	-
147 -157	409 - 420	-	-
157 -168	420 - 430	-	-
168 -178	430 - 441	-	-
178 -189	441 - 451	-	-
189 -199	451 - 462	-	-
199 -210	462 - 472	-	-
210 -220	472 - 483	-	-
220 -231	483 - 493	-	-
231 -241	493 - 504	-	-
241 -252	504 - 514	-	-
252 -262	-	-	-

All intervals have both washed and unwashed samples

(Trailer Court)
OWNER : J. Hutchinson
DRILLER: Douglas and Dickinson
COUNTY : Essex

W# : 3058
C# : 148
TOTAL DEPTH: 525'
QUAD : Mount Landing

GEOLOGIC LOG

Depth
(feet)

- 0-10 Sand- pale yellowish-brown; slightly clayey; medium to coarse grained, some fine grains; subangular to subrounded; moderately well sorted; quartz; feldspar; few opaques.
- 10-21 Sand- off-white; coarse to very coarse grained, some granules; subangular to subrounded; moderately well sorted; quartz; feldspar; some opaques.
- 21-31 Sand- light olive gray; slightly clayey; fine grained, some medium grains, some coarse grains, few granules; subangular to subrounded; moderately well sorted; quartz; some glauconite; feldspar; few shell fragments; few opaques; muscovite.
- 31-42 Sand- light olive gray; slightly clayey; medium to coarse grained, some fine grains, few granules; subangular to subrounded; moderately well sorted; quartz; some feldspar; some glauconite; few opaques; muscovite.
- 42-52 Clay- light olive gray; slightly silty; slightly sandy; very fine to medium grained; subangular to subrounded; moderately sorted; quartz; few grains of glauconite; few diatoms; few flakes of muscovite.
- 52-63 As above except abundant sand.
- 63-73 Sand- light olive gray; abundant clay; moderate silt; fine to coarse grained, few granules; subangular to subrounded; moderately sorted; quartz; some glauconite; some shell fragments; muscovite.
- 73-84 As above except sand and clay; moderate clay; abundant sand.
- 84-94 Sand- light olive gray; slightly clayey; moderate silt; fine grained; subangular to subrounded; well sorted; quartz; some black phosphatic material; few grains of glauconite; few diatoms; muscovite.
- 94-105 Sand- light olive gray; slightly clayey; moderate silt; fine to medium grained, some coarse grains; subangular to subrounded; moderately sorted; quartz; some glauconite; few black phosphatic fragments; few diatoms; muscovite.

(Trailer Court)
OWNER: J. Hutchinson

W#: 3058

Depth
(feet)

- 105-115 As above plus some shell fragments.
- 115-126 Sand- light olive gray; slightly clayey; slightly silty; fine grained, some medium grains; subangular to subrounded; well sorted; quartz; some black phosphatic material; some shell fragments; few grains of glauconite.
- 126-136 Sand- light olive gray; slightly clayey; medium to coarse grained, 3% granules; subangular to subrounded; moderately well sorted; quartz; 7% sandy limestone and shell fragments; 3% glauconite; some black phosphatic material; forams (inc. Buccella and Globulina).
- 136-147 Sand- light olive gray; slightly clayey; coarse grained to granular, few pebbles; subrounded; poorly sorted; quartz; some feldspar; some sandy limestone and shell fragments; some glauconite; few black phosphatic fragments.
- 147-157 Sand and granules- light olive gray; coarse to very coarse grained, some medium grains, 40% granules; subrounded; poorly sorted; quartz; 5% sandy limestone and shell fragments; 3% glauconite; some feldspar; forams (inc. Buccella and Robulus).
- 157-168 Sand and gravel- light olive gray; slightly silty; medium to coarse grained, some fine grains, some granules, 40% pebbles; subangular to rounded; poorly sorted; quartz; 20% sandy limestone and shell fragments; 7% glauconite; forams abundant (inc. Buccella); few black phosphatic fragments; ostracodes.
- 168-178 As above except 5% granules; 50% pebbles; forams (inc. Buccella).
- 178-189 Sand- olive light gray; slightly clayey; moderate silt; fine to medium grained, some coarse grains, 5% granules, few pebbles; subangular to rounded; moderately sorted; quartz; 35% glauconite; 5% sandy limestone and shell fragments; forams (inc. Buccella); few black phosphatic fragments.
- 189-199 As above except 10% granules; 20% glauconite.
- 199-210 As above except forams (inc. Buccella and Robulus); ostracode.
- 210-220 Sand- olive light gray; moderate clay; slightly silty; fine to medium grained, some granules, few pebbles; subangular to rounded; moderately well sorted; quartz; 35% glauconite; some shell fragments; few flakes of muscovite; forams (inc. Buccella, Globigerina, and Cibicides?).

(Trailer Court)

OWNER: J. Hutchinson

W#: 3058

Depth
(feet)

- 220-231 Sand- olive light gray; medium grained, some coarse grains; rounded; well sorted; 75% glauconite; quartz; few flakes of muscovite; few shell fragments.
- 231-241 Sand- olive light gray; slightly clayey; medium to coarse grained, few granules; subrounded to rounded; moderately well sorted; 50% glauconite; quartz; some shell fragments; few flakes of muscovite; forams (inc. Buccella).
- 241-252 As above plus some fine grains; moderately sorted; 60% glauconite.
- 252-262 Sand- olive light gray; abundant clay- grayish-orange-pink (clasts), olive light gray; medium to coarse grained, some fine grains; subangular to rounded; moderately well sorted; 60% glauconite; quartz; few shell fragments; muscovite.
- 262-273 As above plus some light olive gray clay.
- 273-283 Sand- olive light gray; slightly clayey (clasts)- light olive gray, grayish-orange-pink; medium to coarse grained, some fine grains; subangular to rounded; moderately well sorted; quartz; 40% glauconite; some shell fragments; few flakes of muscovite; forams (inc. Buccella and Robulus).
- 283-294 As above except abundant clay; 15% glauconite; forams rare (inc. Buccella).
- 294-304 Sand- salt and pepper; medium grained, some coarse grains; subrounded to rounded; well sorted; 60% glauconite; quartz; few shell fragments; muscovite.
- 304-315 As above except some limestone and shell fragments.
- 315-325 As above except 2% limestone and shell fragments; foram.
- 325-336 Sand- light olive gray; slightly clayey; medium grained to granular, 3% pebbles; subangular to rounded; poorly sorted; 10% glauconite; 7% sandy limestone and shell fragments; few flakes of muscovite; pyrite; forams scarce (inc. Buccella).
- 336-346 Sand- salt and pepper; medium grained, some coarse grains; subrounded to rounded; well sorted; 50% glauconite; quartz; some shell fragments; few flakes of muscovite.
- 346-357 As above plus some grayish-orange-pink clay; 60% glauconite; forams scarce (inc. Nodosaria and Dentalina).

(Trailer Court)

OWNER: J. Hutchinson

W#: 3058

Depth
(feet)

- 357-367 Sand- olive light gray; slightly clayey; clasts; medium to coarse grained, some fine grains; subangular to rounded; moderately well sorted; quartz; 35% glauconite; forams (inc. Buccella, Cibicides, and Globigerina); few grains of garnet; muscovite.
- 367-378 As above except moderate clay; forams scarce (inc. Nodosaria).
- 378-388 Sand- light olive gray; slightly clayey; coarse to very coarse grained, 2% granules; subangular to rounded; moderately sorted; quartz; 10% glauconite; feldspar; few grains of garnet; muscovite.
- 388-399 Sand- olive light gray; moderate clay; moderate silt; medium to coarse grained, few granules; subangular to rounded; moderately well sorted; quartz; 10% glauconite; feldspar; few grains of garnet; muscovite.
- 399-409 Sand- olive light gray; slightly clayey; coarse grained, some medium grains, some very coarse grains, some granules; subangular to rounded; moderately well sorted; quartz; 20% glauconite; some feldspar; few grains of garnet; forams (inc. Buccella).
- 409-420 As above except 3% granules; few shell fragments; forams (inc. Buccella and Nodosaria).
- 420-430 Sand- salt and pepper; slightly clayey (clasts)- olive light gray; medium to coarse grained; subangular to rounded; moderately well sorted; quartz; 25% glauconite; few flakes of muscovite.
- 430-441 As above.
- 441-451 Sand- light gray, light brown; abundant clay; slightly silty; medium to coarse grained, some fine grains; subangular to rounded; moderately well sorted; quartz; 10% glauconite; few flakes of muscovite; few shell fragments.
- 451-462 As above except 7% glauconite; no shell fragments.
- 462-472 Sand- light olive gray; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; feldspar; 7% glauconite; few flakes of muscovite.
- 472-483 Sand- off-white; coarse to very coarse grained, 2% granules; subangular to subrounded; moderately well sorted; quartz; feldspar; 2% glauconite; some muscovite.

(Trailer Court)
OWNER: J. Hutchinson

W#: 3058

Depth
(feet)

483-493 As above except 5% granules; moderately sorted.
493-504 As above plus few grains of garnet.
504-514 As above.
514-525 No sample.

Logged by: Michael T. Currie
August 10, 1979

OWNER: J. Hutchinson
DRILLER: Douglas & Dickinson, Inc.
COUNTY: Essex (Tappahannock)

VDMR # 3058
WWCR # 148
TOTAL DEPTH: 525'

GEOLOGIC SUMMARY

<u>Depth (feet)</u>	<u>Rock Unit</u>	<u>Age</u>
0-21	Columbia Group	Pleistocene
21-155	Calvert Formation	Middle Miocene
155-275	Nanjemoy Formation	Middle Eocene
255-275	Marlboro Clay Member	
275-472	Mattaponi Formation	Paleocene - Late Cretaceous
472-514	Patuxent Formation	Early Cretaceous
514-525	No sample	-

Virginia Division of Mineral Resources
Robert H. Teifke - Geologist
January 24, 1971