

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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

13127 Warwick Blvd.

OWNER: Nice Bros., Inc. Mailing Address: Newport News, VA. 23602

TENANT: Skiminoe Hills #2 Mailing Address: Rt. 4, Box 134C

DRILLER: G. H. Griffith Mailing Address: Williamsburg, VA. 23185

WELL LOCATION: County York Approx. 1 ~~xxxx~~ mile north (direction) of
Rt. 168 and 1/2 ~~xxxx~~ miles east (direction) of Rt. 646

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

DATE STARTED: Aug. 26, 1977 DATE COMPLETED: Sept. 14, 1977

TYPE OF DRILL RIG USED: Jetting TOTAL DEPTH 324 feet

WATER LEVEL: Stands 140 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Pumped
Drawdown 3 feet
Rate 60 gal. per min.
Duration 48 hrs., _____ min.

HOLE SIZE: 9 inches from 0 to 50 feet
7 inches from 50 to 300 feet
4 inches from 300 to 324 feet

WATER ZONES: from 300 to 324 feet
from _____ to _____ feet
from _____ to _____ feet

SCREEN SIZE: 3 inches from 298 to 324 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

CASE SIZE: 4 inches from 0 to 300 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method _____
Material _____ Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes _____ No X

PUMP: Type Myers submersible
Capacity 60 gal. per min
Depth of intake 189 feet

DRILL CUTTINGS SAVED: 32 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: _____

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

INTERVAL SHEET

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Well Repository No: W#: 4971

Date rec'd: 11/18/77 Date Processed: 2/6/78

C#: 84
Sample Interval: from: 0 to: 320

PROPERTY: Nice Brothers Inc.
Skiminoe Hills #2

Number of samples: 32

COMPANY: G. H. Griffith

Total Depth: 324

COUNTY: York (Skiminoe)

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To
0 - 10	250 - 260	-	-
10 - 20	260 - 270	-	-
20 - 30	270 - 280	-	-
30 - 40	280 - 290	-	-
40 - 50	290 - 300	-	-
50 - 60	300 - 310	-	-
60 - 70	310 - 320	-	-
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	-	-	-

ashed and unwashed samples

OWNER: Nice Bros. Inc.
Skiminoe Hills #2
DRILLER: G. H. Griffith
COUNTY: York (Skiminoe)

W#: 4971
C#: 84
TOTAL DEPTH: 320'
QUAD: Williamsburg

GEOLOGIC LOG

Depth
(feet)

- 0-10 Sand — dark grayish orange; moderately stained; moderate clay; fine to medium grained, some coarse grains; subangular to subrounded; moderately well sorted; quartz; feldspar; 2% shell fragments; few grains of glauconite; few opaques.
- 10-20 Sand — dark yellowish orange; moderately stained; moderate clay; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; feldspar; few shell fragments; few grains of glauconite.
- 20-30 As above plus muscovite.
- 30-40 As above except some shell fragments.
- 40-50 As above except 5% shell fragments.
- 50-60 As above except 2% shell fragments.
- 60-70 Shell hash — light olive gray; slightly clayey; moderate sand; medium to coarse grained; subrounded; moderately well sorted; 75% shell fragments (av. 3 mm); quartz; some glauconite; some spines; some black phosphatic material; few grains of feldspar.
- 70-80 Sand — light olive gray; slightly clayey; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; 20% shell fragments; 3% black phosphatic material; some glauconite; few spines; forams (inc. Quinqueloculina and Amphistegina).
- 80-90 Shell hash — light olive gray; slightly clayey; abundant sand; fine to medium grained; subangular to subrounded; moderately well sorted; 70% shell fragments (0.5-15 mm); quartz; some glauconite; some black phosphatic material; some spines; forams (inc. Quinqueloculina).
- 90-100 Sand — light olive gray; slightly clayey; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; 40% shell fragments; some glauconite; some spines; some black phosphatic material; forams scarce (inc. Quinqueloculina).
- 100-110 As above except few spines.

Depth
(feet)

- 110-120 Sand — light olive gray; slightly clayey; fine to medium grained; subangular to subrounded; well sorted; quartz; 10% shell fragments; 2% black phosphatic material; some glauconite; few bone fragments.
- 120-130 Sand — light greenish gray; slightly clayey; very fine grained; subangular to subrounded; well sorted; quartz; 5% shell fragments; 2% glauconite; some black phosphatic material; muscovite.
- 130-140 As above except 7% shell fragments.
- 140-150 As above except greenish gray; ostracode.
- 150-160 Sand — greenish gray; slightly clayey; very fine grained; some medium grains; subangular to subrounded; moderately well sorted; quartz; 10% shell fragments; 3% glauconite; muscovite; few black phosphatic fragments.
- 160-170 Sand — greenish gray; moderate clay; very fine to medium grained; subangular to subrounded; moderately well sorted; quartz; 35% shell fragments; 2% glauconite; some black phosphatic material; few bone fragments.
- 170-180 As above.
- 180-190 Sand — greenish gray; moderate clay; very fine to medium grained, some coarse grains; subangular to subrounded; moderately sorted; quartz; 15% shell fragments; some black phosphatic material; some glauconite.
- 190-200 As above except 10% shell fragments; some bone fragments.
- 200-210 As above except 15% shell fragments; few grains of glauconite; few bone fragments.
- 210-220 Sand — light olive gray; moderate clay; very fine to medium grained; subangular to subrounded; moderately sorted; quartz; 10% shell fragments; some black phosphatic material; few grains of glauconite; forams rare (inc. Nonion).
- 220-230 Sand — olive light gray; abundant clay; very fine to medium grained; some coarse grains; subangular to subrounded; poorly sorted; quartz; 7% shell fragments; some black phosphatic material; few grains of glauconite; forams; ostracode.
- 230-240 As above except 5% shell fragments; some glauconite; fish tooth; no forams.
- 240-250 As above except 15% shell fragments; bone fragment.

OWNER: Nice Bros. Inc.
Skiminoe Hills #2

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W#: 4971

Depth
(feet)

- 250-260 Sand — light olive gray; abundant clay-light olive gray, dark yellowish orange; very fine to medium grained; subangular to subrounded; moderately sorted; quartz; 15% shell fragments; some black phosphatic material; some glauconite; few spines.
- 260-270 Sand — light olive gray; moderate clay; very fine to medium grained; subangular to subrounded; moderately sorted; quartz; 5% shell fragments; 3% black phosphatic material; some glauconite.
- 270-280 Sand — olive light gray; moderate clay; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; 15% shell fragments; 2% black phosphatic material; forams (inc. Bulimina, Uvigerina, and Buccella).
- 280-290 Sand — olive light gray; moderate clay; medium to coarse grained, some fine grains; subangular to subrounded; moderately sorted; quartz; 10% shell fragments; 3% black phosphatic fragments; few grains of glauconite; forams (inc. Textularia and Bulimina); bone fragment.
- 290-300 Sand — light olive gray; moderate clay-light olive gray, dark yellowish orange; fine to coarse grained; subangular to subrounded; moderately sorted; quartz; 17% shell fragments; some black phosphatic material; some glauconite few spines.
- 300-310 Sandy limestone and shell fragments — medium light gray; slightly clayey; moderate sand; medium to coarse grained; subrounded; moderately well sorted; 80% sandy limestone and shell fragments; quartz; some glauconite; some black phosphatic material; pyrite.
- 310-320 Sandy limestone and shell fragments — grayish yellow; slightly clayey; moderate sand; medium to coarse grained; subrounded; moderately well sorted; 80% sandy limestone and shell fragments; 15% glauconite (brown, black); quartz; pyrite.

Logged by: Michael T. Currie

OWNER: Nice Bros. Inc.
5 Kiminoc Hills #2 - 4 -

W#: 4971

GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0-60	60	Windsor Formation	Pleistocene
60-120	60	Yorktown Formation	Pliocene - Miocene
120-300	180	Calvert Formation	Miocene - Eocene
300-320	20	Nanjemoys Formation	Eocene

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
October 30, 1978