

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 4018
C#: 189

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

OWNER: Wilkins Water Co. (V. Wilkins) Mailing Address: Montross, VA Rt. 2

TENANT: Glebe Harbor #2 Mailing Address: _____

DRILLER: Hundley Bros., Inc. Mailing Address: Montross, VA Rt. 2

WELL LOCATION: County Westmoreland Approx. 1 1/2 miles Northeast (direction) of
Erica and _____ (direction) of St. Rd. 1501
feet miles _____

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

DATE STARTED: 9/6/73 DATE COMPLETED: 9/14/73

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 389 feet

WATER LEVEL: Stands 13 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method pump

Drawdown 60 feet

Rate 150 gal. per min.

Duration 68 hrs., _____ min.

WATER ZONES: from 190 to 220 feet

from 365 to 389 feet

from _____ to _____ feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other subdivision

WATER ANALYSIS AVAILABLE: Yes _____ No _____

DRILL CUTTINGS SAVED: Yes 39 XX 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: 12 3/4 inches from 0 to 140 feet

8 1/2 inches from 140 to 190 feet

5 5/8 inches from 190 to 389 feet

SCREEN SIZE: 3 1/2 inches from 190 to 220 feet

3 1/2 inches from 365 to 389 feet

_____ inches from _____ to _____ feet

CASE SIZE: 6 inches from +1 1/4 to 190 feet

4 1/2 inches from 220 to 365 feet

_____ inches from _____ to _____ feet

GROUTING: Method pump

Material cement Depth 140 feet

PUMP: Type Submersible

Capacity 70 gal per min

Depth of intake 126 feet

FURNISHED BY: _____

DATE: _____

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	10	Top soil and sand	
10	20	Some clay, sand mixture	
20	30	Clay, some gravel	
30	40	Mostly gravel	
40	60	Slight gravel, blue clay	
60	70	Blue clay	
70	80	Blue clay, black river maw	
80	190	Blue clay, black river maw	
190	220	water bearing sand (black peppery)	1st water stratum - 30' of .030 screen set
220	365	Blue clay	
365	389	light gray, water bearing sand	2nd water stratum - 24' of .030 screen set

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

INTERVAL SHEET

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Well Repository No: W#: 4018
 C#: 189

Date rec'd: 1/11/74 Date Processed: 8/30/74

Sample Interval: from: to:
 0 389

PROPERTY: Wilkins Water Co.
 (Glebe Harbor #2)
 COMPANY: Hundley Bros., Inc.

Number of samples: 39

COUNTY: Westmoreland
 (Erica)

Total Depth: 389'

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
0 - 10	50 - 60	-	-
10 - 20	60 - 70	-	-
20 - 30	70 - 80	-	-
30 - 40	80 - 90	-	-
40 - 50	90 - 300	-	-
50 - 60	300 - 10	-	-
60 - 70	10 - 20	-	-
70 - 80	20 - 30	-	-
80 - 90	30 - 40	-	-
90 - 100	40 - 50	-	-
100 - 10	50 - 60	-	-
10 - 20	60 - 70	-	-
20 - 30	70 - 80	-	-
30 - 40	80 - 89	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 200	-	-	-
200 - 10	-	-	-
10 - 20	-	-	-
20 - 30	-	-	-
30 - 40	-	-	-
40 - 50	-	-	-

Unwashed samples only.

OWNER: Wilkins Water Co.
(Glebe Harbor #2)
DRILLER: Hundley Bros.
COUNTY: Westmoreland
(Erica)

W#: 4018
C#: 189
TOTAL DEPTH: 389'
QUAD: St. Clements Island

GEOLOGIC LOG

Depth
(feet)

- 0 - 10 Sand -- salt and pepper; slightly clayey; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; feldspar; 7% glauconite.
- 10 - 20 Sand -- pale yellowish orange; moderately stained; medium grained, some coarse grains; subangular to subrounded; well sorted; quartz; feldspar; some glauconite; few flakes of muscovite.
- 20 - 30 As above except slightly stained; 2% glauconite.
- 30 - 40 Sand -- yellowish gray; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; feldspar; some glauconite; few flakes of muscovite; few opaques.
- 40 - 50 Sand -- light olive gray; medium to coarse grained, some fine grains; subangular to subrounded; moderately well sorted; quartz; feldspar, few grains of glauconite; few shell fragments.
- 50 - 60 Sand -- olive light gray; slightly clayey; coarse grained, some granules, few pebbles; subangular to subrounded; moderately well sorted; quartz; 10% shell fragments; some feldspar; some glauconite.
- 60 - 70 Sand -- olive light gray; slightly clayey; coarse grained, some fine grains, 10% granules, 5% pebbles; subangular to subrounded; moderately sorted; quartz; 5% shell fragments; few grains of glauconite; vivianite.
- 70 - 80 Sand -- olive light gray; abundant clay (some clasts); fine to coarse grained, some granules, some pebbles; subangular to subrounded; moderately sorted; quartz; 2% shell fragments; few grains of glauconite; vivianite.
- 80 - 90 As above except 5% pebbles.
- 90 - 100 As above except moderate clay; 3% shell fragments.
- 100 - 110 Sand -- olive light gray; moderate clay (some clasts); medium grained to gravel (25%); subangular to subrounded; poorly sorted; quartz; 3% shell fragments; few grains of glauconite; vivianite.

Depth
(feet)

- 110 - 120 Clay and gravel -- light olive gray; moderate fine to medium grained sand; subangular to subrounded; moderately sorted; quartz; 2% shell fragments; few grains of glauconite; muscovite; few black phosphatic fragments; vivianite.
- 120 - 130 Sand -- olive light gray; moderate clay (some clasts); fine grained to gravel (35%); subangular to subrounded; poorly sorted; quartz; 5% shell fragments; some muscovite, glauconite; vivianite.
- 130 - 140 As above except sand and gravel; abundant clay; 40% pebbles.
- 140 - 150 Sand -- light olive gray; abundant clay; medium grained to gravel (15%); subangular to subrounded; poorly sorted; quartz; 7% shell fragments; some glauconite; few flakes of muscovite; few echinoid spines; few black phosphatic fragments.
- 150 - 160 Clay -- light olive gray; moderate sand, fine to coarse grained, 3% granules, few pebbles; subangular to subrounded; moderately sorted; quartz; some glauconite; few flakes of muscovite; few shell fragments; forams rare (inc. Nonion).
- 160 - 170 Clay -- light olive gray; abundant sand; fine to coarse grained, 5% granules, 3% pebbles; subangular to subrounded; poorly sorted; quartz; 3% shell fragments; some black phosphatic material; some glauconite; some echinoid spines; few diatoms; forams (inc. Bolivina, Globigerina, and Guttulina ?); bone fragments.
- 170 - 180 Sand and gravel -- olive light gray; moderate clay (some clasts); fine grained to granular, 40% pebbles; subangular to subrounded; poorly sorted; quartz; 10% shell fragments; some muscovite; few grains of glauconite; few black phosphatic fragments; few echinoid spines; forams rare (inc. Robulus).
- 180 - 190 Sand -- salt and pepper; medium grained; subangular to rounded; well sorted; quartz; 20% glauconite; 5% shell fragments; forams (inc. Buccella and Robulus).
- 190 - 200 As above except 25% glauconite.
- 200 - 210 As above except 7% shell fragments; few echinoid spines; no Robulus.
- 210 - 220 As above.
- 220 - 230 As above except 35% glauconite; 5% shell fragments; forams scarce (inc. Buccella).

Depth
(feet)

- 230 - 240 As above except 30% glauconite; forams (inc. Buccella and Nonion).
- 240 - 250 Sand -- salt and pepper; medium grained; subangular to rounded; well sorted; quartz; 35% glauconite; 3% shell fragments; forams (inc. Buccella).
- 250 - 260 As above except 30% glauconite.
- 260 - 270 Sand -- salt and pepper; few moderately to heavily stained grains; medium to coarse grained, few granules; subangular to rounded; moderately well sorted; quartz; 10% glauconite; 5% shell fragments; forams (inc. Buccella and Guttulina).
- 270 - 280 As above except 15% glauconite; forams (inc. Buccella, Nodosaria, and Robulus); few grains of pyrite.
- 280 - 290 Sand -- salt and pepper; medium grained; subangular to rounded; well sorted; quartz; 35% glauconite; 3% shell fragments; forams (inc. Buccella and Robulus).
- 290 - 300 Sand -- salt and pepper; few moderately to heavily stained grains medium grained, some coarse grains; subangular to rounded; well sorted; quartz; 10% glauconite; 5% shell fragments; forams scarce (inc. Buccella).
- 300 - 310 Sand -- salt and pepper; medium grained; subangular to subrounded; well sorted; quartz; 20% glauconite; 5% shell fragments; forams (inc. Buccella).
- 310 - 320 As above.
- 320 - 330 As above.
- 330 - 340 As above.
- 340 - 350 As above except 15% glauconite.
- 350 - 360 As above except 30% glauconite; few grains of pyrite.
- 360 - 370 As above except 35% glauconite; 3% shell fragments.
- 370 - 380 Sand -- salt and pepper; medium grained, some coarse grains; subangular to subrounded; well sorted; quartz; 7% glauconite; 5% shell fragments; few echinoid spines; forams (inc. Buccella and Cibicides ?).
- 380 - 389 As above except 7% shell fragments; no Cibicides ?.