

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W# 5080  
C# 229

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B-3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

OWNER: Tyler A. Scalone Mailing Address: Colonial Hgts. Va. 23834  
708 Spring Valley Road Lot 9D1  
23834

TENANT: \_\_\_\_\_ Mailing Address: \_\_\_\_\_

DRILLER: Mitchell's Well & Pump Co. Mailing Address: 16815 Happy Hill Rd. Col. Hgts. Va.

WELL LOCATION: County Chesterfield Approx. \_\_\_\_\_ feet \_\_\_\_\_ miles \_\_\_\_\_ (direction) of \_\_\_\_\_  
\_\_\_\_\_ 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: September 1977 DATE COMPLETED: September 1977

TYPE OF DRILL RIG USED: cable tool TOTAL DEPTH 192 feet

WATER LEVEL: Stands 121 feet below surface OR \_\_\_\_\_  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method pumped  
Drawdown 32 feet  
Rate 10 gal. per min.  
Duration 12 hrs., \_\_\_\_\_ min.

HOLE SIZE: 12 inches from 0 to 15 feet  
4 inches from 15 to 192 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
Hacked Pipe  
SCREEN SIZE: 4" inches from 170 to 191 1/8 feet

WATER ZONES: from 170 to 192 feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

CASE SIZE: 4 inches from +1 to 191 1/8 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_  
Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

WELL TO SUPPLY: (check one) Home \_\_\_\_\_  
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_  
Industry \_\_\_\_\_ Other \_\_\_\_\_

GROUTING: Method \_\_\_\_\_  
Material cement & gravel Depth 12 feet

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No X

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: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

FURNISHED BY: J. J. Mitchell, Jr.

DATE: \_\_\_\_\_

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
			Sample #
0	10	tan earth	1
10	20	orange earth	2
20	40	orange earth and gravel	3,4
40	60	tan earth and gravel	5,6
60	70	gray mud	7
70	80	gray - orange mud	8
80	100	gray mud	9,10
100	110	dark and light gray mud	11
110	120	dark gray mud	12
120	130	dark and light gray mud	13
130	135	gray & tan gravel & shell fragments	14
135	140	gray & tan gravel & shell fragments	15
140	192	gray sand & gravel	16,17,18,19,20

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

INTERVAL SHEET

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Well Repository No: W# 5080  
 C# 229

Date rec'd: 3/17/78 Date Processed: 4/13/78

Sample Interval: from: 0 to: 192

PROPERTY: Tyler A. Scalons

Number of samples: 20

COMPANY: Mitchell W & P Co.

Total Depth: 192

COUNTY: Chesterfield (Walthall)

~~Oil or Gas~~: Water: ~~Exploratory~~

From-To	From-To	From-To	From-To
-	-	-	-
- 10	-	-	-
- 20	-	-	-
- 30	-	-	-
- 40	-	-	-
- 50	-	-	-
-	-	-	-
- 60	-	-	-
- 70	-	-	-
- 80	-	-	-
- 90	-	-	-
- 100	-	-	-
-	-	-	-
- 110	-	-	-
- 120	-	-	-
- 130	-	-	-
- 140	-	-	-
-	-	-	-
- 150	-	-	-
- 160	-	-	-
- 170	-	-	-
- 180	-	-	-
- 192	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Washed and unwashed samples

OWNER: Tyler A. Scalone  
DRILLER: Mitchell W & P Co.  
COUNTY: Chesterfield

W# 5080  
C# 229  
Total depth: 192'  
Quad: Chester

Depth  
(feet)

GEOLOGIC LOG

- 0-10 Sand - yellowish gray; moderate clay; medium to coarse grained, few granules; subangular to subrounded; moderately sorted; quartz; some feldspar.
- 10-20 Sand - dark yellowish orange; slight staining; slightly clayey; medium to coarse grained, 10% granules; subangular to subrounded; moderately sorted; quartz; feldspar.
- 20-30 As above plus some fine grains; some pebbles; poorly sorted; few opaques.
- 30-40 Sand - dark yellowish orange; moderate staining; moderate clay; medium to coarse grained, 10% granules, few pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; few opaques; few grains of glauconite.
- 40-50 Sand - dusky yellow; slightly clayey; coarse grained to granular, some medium grains, some pebbles; subrounded; moderately sorted; quartz; feldspar; some shell fragments; few grains of glauconite; few opaques.
- 50-60 As above except fine grained to granular, some pebbles; poorly sorted; 5% shell fragments; some black phosphatic material.
- 60-70 Clay - olive light gray; moderate sand; fine to coarse grained; few granules, few pebbles; subangular to subrounded; moderately sorted; quartz; some glauconite; some black phosphatic material; few grains of feldspar.
- 70-80 Sand - olive gray; abundant clay; coarse grained to granular, some pebbles; subrounded; moderately sorted; quartz; feldspar; some black phosphatic material; some glauconite; few shell fragments.
- 80-90 Sand - olive light gray; abundant clay; fine to coarse grained, some granules, 5% pebbles; subangular to subrounded; poorly sorted; quartz; 3% black phosphatic material; feldspar; some glauconite; bone fragment.
- 90-100 Sand - olive light gray; abundant clay; very fine to medium grained, some granules; subangular to subrounded; moderately sorted; quartz; 2% black phosphatic material; muscovite; few grains of glauconite.
- 100-110 Sand - dark greenish gray; light gray; moderate clay; very fine to medium grained, some coarse grains, few granules; subangular to rounded; moderately sorted; quartz; 15% glauconite; some muscovite; forams rare (inc. Robulus).

Depth  
(feet)

- 110-120 As above except dark greenish gray; 20% galuconite.
- 120-130 Clay - light gray; moderate sand; fine to coarse grained, few granules; subangular to subrounded; moderately sorted; quartz; some black phosphatic material; muscovite; few grains of glauconite.
- 130-135 Sand and gravel - multicolored; granular, 30% pebbles, some medium grains; angular to subangular; moderately sorted; quartz; 2% glauconite (black, green); muscovite; few shell fragments.
- 135-140 Sand - multicolored; coarse grained to granular, some pebbles; angular to subrounded; moderately sorted; quartz; feldspar; some glauconite (black, green); muscovite; few grains of garnet.
- 140-150 Sand - off white; slightly clayey; medium to very coarse grained, few granules; subangular to subrounded; moderately sorted; quartz; feldspar; some glauconite; muscovite; few grains of garnet.
- 150-160 As above except coarse to very coarse grained, 7% granules; few grains of glauconite; no garnet.
- 160-170 As above plus few pebbles.
- 170-180 As above.
- 180-190 Sand - white; medium to coarse grained, some granules; subangular to subrounded; moderately well sorted; quartz; feldspar.

Logged by: Michael T. Currie

GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0-40	40	Bacons Castle Formation	Pleistocene
40-60	20	Yorktown Formation	Pliocene-Miocene
60-100	40	Calvert Formation	Miocene-Eocene
100-135	35	Nanjemoy-Mattaponi fm's	Eocene-Cretaceous
135-192	57+	Patuxent Formation	Cretaceous

VIRGINIA DIVISION OF MINERAL RESOURCES  
David A. Hubbard, Jr., Geologist  
September 15, 1978