

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 5138  
C#: 210

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: Cecil Burrows Mailing Address: Rt. 1, Disputanta, VA. 23842

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

DRILLER: Mitchell's Well & Pump Co., Inc. Mailing Address: 16815 Happy Hill Rd.  
Colonial Heights, VA. 23834

WELL LOCATION: County Prince George Approx. \_\_\_\_\_ feet miles \_\_\_\_\_ (direction) of \_\_\_\_\_  
On Route 10 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: November 1977 DATE COMPLETED: November 1977

TYPE OF DRILL RIG USED: Cable Tool TOTAL DEPTH 237 feet

WATER LEVEL: Stands 60 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Pumped  
Drawdown 105 feet pump pipe  
took no air  
Rate 18 gal. per min.  
Duration 9 hrs., \_\_\_\_\_ min.

HOLE SIZE: 8 inches from 0 to 12 feet  
4 inches from 12 to 237 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

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

SCREEN SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

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

CASE SIZE: 4 inches from +1 to 234'5" feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

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

GROUTING: Method \_\_\_\_\_  
Material Cement, sand Depth 12 feet  
and gravel

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

PUMP: Type \_\_\_\_\_  
Capacity \_\_\_\_\_ gal per min  
Depth of intake \_\_\_\_\_ feet

DRILL CUTTINGS SAVED: 24 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#: 5138  
C#: 210

Date rec'd: 3/17/78 Date Processed: 5/15/78

Sample Interval: from: 0 to: 237

PROPERTY: Cecil Burrows

Number of samples: 24

COMPANY: Mitchell W & P Co.

Total Depth: 237'

COUNTY: Prince George (Burrowsville)

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To
0 - 10	-	-	-
10 - 20	-	-	-
20 - 30	-	-	-
30 - 40	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
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	-	-	-
-	-	-	-

Washed and unwashed samples.

OWNER: Cecil Burrows  
DRILLER: Mitchell P & W Co.  
COUNTY: Prince George

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C#: 210  
TOTAL DEPTH: 237'  
QUAD.: Savedge

GEOLOGIC LOG

Depth  
(feet)

- 0-10 Clay — dark yellowish orange; moderate sand; very fine to medium grained, subangular to subrounded; moderately sorted; quartz; some feldspar; some opaques.
- 10-20 Sand — very light olive brown; moderate clay; fine grained; subangular to subrounded; well sorted; quartz; some glauconite; some feldspar; few opaques.
- 20-30 As above except some opaques.
- 30-40 As above plus few angular quartz granules.
- 40-50 As above except very light olive gray; fine to medium grained; bone fragment.
- 50-60 Clay — olive light gray; slightly sandy; fine grained; subangular to subrounded; well sorted; quartz; few grains of glauconite.
- 60-70 As above except very fine to coarse grained; moderately sorted; few black phosphatic fragments.
- 70-80 As above except abundant sand; some black phosphatic material.
- 80-90 Clay — olive light gray; abundant sand; very fine to medium grained, some coarse grains; subangular to subrounded; moderately sorted; quartz; some black phosphatic material; some glauconite; muscovite.
- 90-100 Sand — dark greenish gray; moderate clay; fine to medium grained; subangular to rounded; moderately well sorted; 65% glauconite (black, green, brown); quartz; 2% muscovite; few shell fragments; ostracodes.
- 100-110 Clay — medium light gray; moderate sand; fine to medium grained; rounded; moderately well sorted; glauconite 90% of sand sized fraction; quartz; muscovite; forams (inc. Robulus); pyrite.
- 110-120 Sand — grayish olive; moderate clay; very fine to medium grained; subangular to subrounded; moderately sorted; 60% glauconite (black, green); quartz; 2% muscovite.

Depth  
(feet)

- 120-130 As above except 55% glauconite.
- 130-140 Sand — yellowish green; moderate staining; moderate clay; medium grained; rounded; well sorted; 85% glauconite (black, green, brown); quartz.
- 140-150 Sand — dark greenish gray; moderate clay; medium grained; rounded; well sorted; 70% glauconite (black, green, brown); quartz.
- 150-160 As above plus few granules.
- 160-170 Sand — dark greenish gray; slightly clayey; fine to medium grained; subangular to rounded; moderately well sorted; 60% glauconite; quartz.
- 170-180 Sand — white; slightly clayey; medium to coarse grained; some fine grains, some granules, few pebbles; subangular to subrounded; poorly sorted; quartz; some glauconite; some garnet; some pyrite.
- 180-190 Sand — white; coarse to very coarse grained, some medium grains, some granules; subrounded; moderately sorted; quartz; feldspar; few grains of garnet; glauconite.
- 190-200 As above except coarse grained to granular, some pebbles; pyrite.
- 200-210 As above.
- 210-220 Clay — olive light gray; some muscovite; few quartz grains.
- 220-230 As above plus few grains of feldspar.
- 230-237 Sand — off white; slightly clayey (medium gray clasts); coarse to very coarse grained; subangular to subrounded; moderately sorted; quartz; feldspar; some pyrite; few grains of garnet.

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
40-90	50	Calvert Formation	Miocene-Eocene
90-170	80	Nanjemoy-Mattaponi Formation	Eocene-Cretaceous
170-237	67+	Patuxent Formation	Cretaceous

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