

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

OWNER: Warren E. Dunlevy #2 Mailing Address: 2435 Old Bermuda Hundred Rd. Chester, Va. 23831

TENANT: _____ Mailing Address: _____
J. J. Mitchell, Jr. 16815 Happy Hill Rd.

DRILLER: Mitchell's Well & Pump Co. Mailing Address: Colonial Heights, VA. 23834

WELL LOCATION: County Prince George Approx. _____ feet miles _____ (direction) of _____
Kings Subdivision, Bickens Ln. Well #2
Lot 3, Blk. B, Section 3 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: Feb. 1977 DATE COMPLETED: Feb. 1977

TYPE OF DRILL RIG USED: Cable tool TOTAL DEPTH 115 feet

WATER LEVEL: Stands 12 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Pumped
Drawdown 86'9" feet pump pipe used, took no air
Rate 12 gal. per min.
Duration 4 hrs., _____ min.

HOLE SIZE: 7 inches from 0 to 12 feet
4 inches from 12 to 115 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 106'4" 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

WATER ANALYSIS AVAILABLE: Yes _____ No _____

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

DRILL CUTTINGS SAVED: 11 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: _____

LOG

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	Orange dirt	
10	20	Ditto	
20	30	Ditto	
30	50	Gray dirt	
50	70	Gray dirt & shells	
70	80	Dark gray dirt	
80	90	Gray dirt & shell fragments	
90	115	Gray sand & gravel	

OWNER: Warren E. Dunlevy #2
(Kings Subdivision)
DRILLER: Mitchell W & P Co.
COUNTY: Prince George

W#: 4842
C#: 200
TOTAL DEPTH: 110'

GEOLOGIC LOG

Depth
(feet)

- 0-10 Sand — dark yellowish orange; abundant clay; fine to coarse grained; subangular to subrounded; moderately sorted; quartz; feldspar; few grains of glauconite.
- 10-20 Sand — yellowish orange; moderate clay; fine to medium grained, some coarse grains, few granules; subangular to subrounded; moderately sorted; quartz; feldspar; few grains of glauconite; few opaques; muscovite.
- 20-30 Sand — very dark yellowish orange; heavily stained, moderate clay; medium to coarse grained, some fine grains, some granules, few pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; some glauconite.
- 30-40 Sand — light olive gray; moderate clay; fine to medium grained; subangular to subrounded; well sorted; quartz; some glauconite; feldspar.
- 40-50 As above except moderately well sorted; few shell fragments.
- 50-60 Sand — light olive gray; slightly clayey; fine to medium grained; subangular to subrounded; well sorted; quartz; 25% shell fragments; 2% black phosphatic material; some glauconite.
- 60-70 As above except 35% shell fragments; few spines.
- 70-80 Sand — olive gray; moderate clay; very fine to fine grained; subangular to subrounded; well sorted; quartz; 3% glauconite; some black phosphatic material; few shell fragments.
- 80-90 Sand — light gray; moderate clay; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; 5% shell fragments; 2% glauconite (black, brown); some black phosphatic material; some spines.
- 90-100 Sand — white; coarse grained to granular, few pebbles; subrounded; moderately sorted; quartz; feldspar.
- 100-110 Sand — white; coarse to very coarse grained, some medium grains, some granules; subrounded; moderately sorted; quartz; feldspar; pyrite.

Logged by: Michael T. Currie

OWNER: Warren E. Dunlevy #2
(Kings Subdivision)

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W#: 4842

GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0-30	30	Moorings "Unit"	Pleistocene
30-90	60	Calvert Formation	Miocene-Eocene
90-110	20+	Patuxent Formation	Cretaceous

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
September 11, 1978