

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 4841
C#: 199

MAILING ADDRESS:
B-3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES
JAMES L. CALVER, COMMISSIONER
WATER WELL COMPLETION REPORT

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

2435 Old Bermuda Hundred Rd.

OWNER: Warren E. Dunlevy #1 Mailing Address: Chester, Va. 23831

TENANT: _____ Mailing Address: _____

DRILLER: J. J. Mitchell, Jr. Mailing Address: 16815 Happy Hill Rd.
Colonial Heights, Va. 23834

WELL LOCATION: County Prince George Approx. _____ feet _____ miles _____ (direction) of _____
Kings Subdivision-Bickens Ln. Well #1
Lot 4, 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 131 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 6 hrs., _____ min.

HOLE SIZE: 7 inches from 0 to 12 feet
4 inches from 12 to 131 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 127'2" feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WELL TO SUPPLY: (check one) Home
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: 13 Yes 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: _____

OWNER: Warren E. Dunlevy #1 (Kings Subdivision)
DRILLER: Mitchell W & P Co.
COUNTY: Prince George

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TOTAL DEPTH: 131'

GEOLOGIC LOG

Depth
(feet)

- 0-10 Sand — dark yellowish orange; slight staining; moderate clay; medium to very coarse grained, some fine grains, few granules; subangular to subrounded; poorly sorted; quartz; feldspar; few grains of glauconite; few opaques.
- 10-20 As above plus few pebbles; some glauconite.
- 20-30 Sand — pale yellowish orange; abundant clay-pale yellowish orange, moderate reddish brown; fine to medium grained, some coarse grains; subangular to subrounded; moderately sorted; quartz; feldspar; some glauconite.
- 30-40 Sand — olive light gray; moderate clay-olive light gray, medium dark gray; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; feldspar; some glauconite; few shell fragments.
- 40-50 Clay — olive light gray, yellowish brown, white; moderate sand; fine to medium grained; subangular to subrounded; well sorted; quartz; 15% shell fragments; glauconite 10% of sand sized fraction; some spines; some black phosphatic material; ostracodes; foram.
- 50-60 Clay — olive light gray; slightly sandy; fine to medium grained; subangular to rounded; moderately well sorted; quartz; 20% shell fragments; some black phosphatic material; some glauconite; some spines; forams scarce (inc. Robulus).
- 60-70 Sand — light olive gray; slightly clayey; fine to medium grained; subangular to subrounded; well sorted; quartz; 5% shell fragments; some black phosphatic material; some glauconite; few spines; forams (inc. Robulus).
- 70-80 As above except light gray; 2% shell fragments.
- 80-90 Sand — dark greenish gray, olive gray; slightly clayey; very fine grained, subangular to subrounded; well sorted; quartz; 7% glauconite; some shell fragments; few flakes of muscovite.
- 90-100 Sand — white; coarse grained, some medium grains; subangular to subrounded; well sorted; quartz; feldspar.
- 100-110 As above except medium to coarse grained, moderately well sorted.

OWNER: Warren E. Dunlevy #1
(Kings Subdivision)

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Depth
(feet)

110-120 Sand — white; medium to very coarse grained, some granules; subangular to subrounded; quartz; feldspar; few grains of garnet.

120-130 Sand — white; coarse to very coarse grained, some granules; subangular to subrounded; quartz; feldspar.

130-131 No sample.

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>
0-30	30	Moorings "Unit"	Pleistocene
30-80	50	Calvert Formation	Miocene-Eocene
80-90	10	Nanjemoy Formation	Eocene
90-130	40+	Patuxent Formation	Cretaceous

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