

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 4593
C#: 196

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

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JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

OWNER: Charles Story Mailing Address: Rt. #2, Box 13, Prince George, VA.
23875

TENANT: _____ Mailing Address: _____

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

WELL LOCATION: County Prince George Approx. _____ (direction) of _____

On Rt. 630. Across from Fort Lee and _____ (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: June 1976 DATE COMPLETED: June 1976

TYPE OF DRILL RIG USED: Cable tool TOTAL DEPTH 150 feet

WATER LEVEL: Stands 70 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Pumped

Drawdown Took no feet
air

Rate 12 gal. per min.

Duration 1 hrs., _____ min.

HOLE SIZE: 4 inches from 0 to 150 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

SCREEN SIZE: 4 inches from 147'10" to 150 feet
slotted

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 4 inches from +1 to 147'10" feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

WATER ZONES: from _____ to _____ feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other Apartment

GROUTING: Method _____

Material _____ Depth _____ feet

PUMP: Type _____

Capacity _____ gal. per min

Depth of intake _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____

DRILL CUTTINGS SAVED: 16 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 OF WELL) OVER

1988
1988

LOG

FURNISHED BY: Mitchell's Well & Pump

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		Top soil	
10		Orange dirt	
20	50	Orange dirt	
60		Tan dirt	
70	80	Gray dirt	
90	100	Dark gray dirt	
110	130	Light gray dirt	
140		Gray gravel	
150		Gray	

(Use additional forms if necessary)

OWNER: Charles Story
DRILLER: Mitchell's
COUNTY: Prince George (Fort Lee)

W#: 4593
C#: 196
TOTAL DEPTH: 150'

GEOLOGIC LOG

Depth
(feet)

- 0-10 Sand — yellowish gray; abundant clay; medium to coarse grained, some fine grains, some granules; subangular to subrounded; poorly sorted; quartz; some feldspar; some opaques.
- 10-20 Sand — dark yellowish orange; slight staining; moderate clay; fine to medium grained, some coarse grains; subangular to subrounded; moderately sorted; quartz; some feldspar; some opaques; muscovite.
- 20-30 Sand — dark orange yellow; moderate staining; moderate clay; very fine to coarse grained, few granules; subangular to subrounded; poorly sorted; quartz; feldspar; some opaques; muscovite.
- 30-40 Sand — dark yellowish orange; slight staining; slightly clayey; fine to coarse grained, 7% granules; subangular to subrounded; poorly sorted; quartz; feldspar; some opaques; muscovite.
- 40-50 Sand — moderate yellowish orange; slight staining; moderate clay; very fine to medium grained, few granules; subangular to subrounded; moderately sorted; quartz; feldspar; few opaques; muscovite.
- 50-60 As above except grayish orange.
- 60-70 As above except very fine to fine grained, some medium grains; moderately well sorted.
- 70-80 Sand — olive light gray; slightly clayey; very fine to fine grained; subangular to subrounded; well sorted; quartz; 2% glauconite; some black phosphatic material; some muscovite; few grains of feldspar.
- 80-90 As above except 3% black phosphatic material; no feldspar.
- 90-100 As above except very fine grained, some fine grains, some medium grains; moderately well sorted; 5% black phosphatic material.
- 100-110 Sand — olive light gray; slightly clayey; very fine to medium grained, some coarse grains, some granules; subangular to subrounded; poorly sorted; 2% glauconite; some black phosphatic material; some shell fragments; few grains of feldspar.
- 110-120 Sand — off white; slightly clayey; coarse grained, some medium grains, some granules, few pebbles; subrounded; moderately sorted; quartz; feldspar; few grains of glauconite.

Depth
(feet)

- 120-130 Sand — yellowish gray; moderate clay; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; feldspar; some glauconite; some muscovite.
- 130-140 As above except few grains of glauconite.
- 140-150 Sand — off white; coarse grained to granular some fine grains, some pebbles; subrounded; poorly 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>
0-70	70	Moorings "Unit"	Pleistocene
70-110	40	Calvert Formation	Miocene-Eocene
110-150	40+	Patuxent Formation	Cretaceous

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
September 8, 1978