

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W# 4906
C# 225

MAILING ADDRESS:

B 3667
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DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: L.J. Cromer Mailing Address: RT 1 Box 17036 Colonial Hghts, VA.

TENANT: _____ Mailing Address: _____

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

WELL LOCATION: County Chesterfield Approx. _____ feet _____ miles _____ (direction) of _____
Branders Bridge Rd. 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: July 1977 DATE COMPLETED: July 1977

TYPE OF DRILL RIG USED: Cable & Rotary TOTAL DEPTH 92' feet

WATER LEVEL: Stands 10 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Pumped

Drawdown 50 feet pump pipe

Rate 15 gal. per min.

Duration 1 hrs., _____ min.

HOLE SIZE: 12 inches from 0 to 12 feet

6 inches from 12 to 92 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 6 inches from +1 to 27'2" 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 Poured in

Material Cement, sand, gravel Depth 12 feet

PUMP: Type _____

Capacity _____ gal per min

Depth of intake _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No XX

DRILL CUTTINGS SAVED: Yes XX 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:

L.J. Cromer

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	0	Tan top soil	
	10	Gray mud	
	20	Gray mud & gravel	
	30	Gray rock	
40	92	Rock	

OWNER: L.J. Cromer
DRILLER: J.J. Mitchell
COUNTY: Chesterfield

W# 4906
C# 225
TOTAL DEPTH: 92'
QUAD: Chester

GEOLOGIC LOG

Depth
(feet)

- 0 Sand -- very dark yellowish orange; abundant clay; medium to coarse grained, some fine grains, few granules; subangular to subrounded; moderately sorted; quartz; feldspar.
- 0 - 10 Clay -- light olive gray, dark yellowish orange, light gray; moderate sand; medium to coarse grained, few granules, few pebbles; subangular to subrounded; moderately sorted; quartz; feldspar.
- 10 - 20 Clay and gravel -- light gray, dark yellowish orange; 40% pebbles (4 - 10 mm); subrounded; moderately well sorted; quartz; feldspar; few flakes of muscovite.
- 20 - 30 Granite (weathered) -- light gray; moderate clay; quartz; feldspar; 15% weathered biotite; 3% muscovite.
- 30 - 40 Granite (slightly weathered) - yellowish gray; slightly clayey; quartz; feldspar; 3% muscovite; few flakes of biotite.
- 40 - 50 Granite -- very light gray; quartz; feldspar; 3% biotite; 2% muscovite.
- 50 - 60 Granite -- white; quartz; feldspar; 7% muscovite; some garnet; few flakes of biotite.
- 60 - 70 Granite -- off white; quartz; feldspar; 5% muscovite; 5% biotite; 2% garnet; few grains of pyrite.
- 70 - 80 Granite -- off white; quartz; feldspar; 10% muscovite; 2% biotite; some garnet.
- 80 - 92 As above.

NOTE: All samples are unwashed.

Logged by: Michael T. Currie
December 26, 1978

GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0 - 20	20	Columbia Group	Pleistocene
20- 92	72	Petersburg Granite	Paleozoic (?)

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
December 28, 1978