

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 4185
C#: 207

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B-3667
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Tommy L. Smith Mailing Address: Matoaca Road, off River Road VA

TENANT: _____ Mailing Address: _____

DRILLER: R.O. Gentry, Inc. Mailing Address: Kenbridge, VA.

WELL LOCATION: County Chesterfield Approx. _____ feet Southwest (direction) of

Colonial Heights and _____ feet _____ (direction) off St. Rt. 36, between
Etrick and Matoaca.

(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC. - ON COUNTY HIGHWAY OR OTHER MAP.)

DATE STARTED: 8/16/74 DATE COMPLETED: 8/16/74

TYPE OF DRILL RIG USED: Air TOTAL DEPTH 85 feet

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

YIELD TEST: Method Air
Drawdown _____ feet
Rate 8 gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 9 inches from 0 to 21 feet
6 inches from 21 to 85 feet
_____ inches from _____ to _____ feet
SCREEN SIZE: _____ inches from _____ to _____ feet

WATER ZONES: from _____ to _____ feet
from _____ to _____ feet
from _____ to _____ feet

_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
CASE SIZE: 6 inches from 0 to 21 feet

WATER: Color _____ Taste _____
Odor _____ Temp. _____ °F

_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WELL TO SUPPLY: (check one) Home XXX
Farm _____ Town _____ School _____
Industry _____ Other _____

GROUTING: Method _____
Material _____ Depth 10 feet

WATER ANALYSIS AVAILABLE: Yes _____ No XX

PUMP: Type _____
Capacity _____ gal per min

DRILL CUTTINGS SAVED: Yes XXX No _____

Depth of intake _____ feet

(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: Tommy L. Smith
DRILLER: R.O. Gentry
COUNTY: Chesterfield

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TOTAL DEPTH: 80'
QUAD: Petersburg

GEOLOGIC LOG

Depth
(feet)

0 - 10 Sand -- light reddish brown; abundant clay; fine to coarse grained, some granules, few pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; some muscovite; few opaques.

10 - 20 Granite (weathered) -- yellowish gray; slightly clayey; quartz; feldspar; 7% weathered biotite; some muscovite.

20 - 30 Granite -- salt and pepper; quartz; feldspar; 10% biotite; few flakes of muscovite.

30 - 40 As above plus few grains of pyrite.

40 - 50 Granite -- medium light gray, moderate orange pink, black; equigranular; quartz; feldspar; 10% biotite.

50 - 60 As above.

60 - 70 As above except 5% biotite.

70 - 80 As above except 12% biotite.

Logged by: Michael T. Currie

OWNER: Tommy L. Smith

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GEOLOGIC SUMMARY

| <u>Depth</u> <u>(feet)</u> | <u>Thickness</u> <u>(feet)</u> | <u>Rock Unit</u> | <u>Time Rock Unit</u> |
|-------------------------------|-----------------------------------|--------------------|-----------------------|
| 0 - 10 | 10 | Columbia Group | Pleistocene |
| 10 - 80 | 70 | Petersburg Granite | Paleozoic (?) |

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
December 26, 1978