

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:
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Charlottesville, VA 22903

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

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: Rowanty Vocational Tech. Center Mailing Address: P. O. Box 8 Prince George, VA. 23875

TENANT: _____ Mailing Address: _____

DRILLER: W. H. Gammon Mailing Address: Rt. 2, Box 125 Providence Forge, VA. 23140

WELL LOCATION: County Prince George Approx. 1 1/2 ~~xxx~~ miles E (direction) of
Rt. 201 and 150 ~~xxx~~ feet S (direction) of 638 Carson

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

DATE STARTED: 11-25-75 DATE COMPLETED: 12-13-75

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 170 feet

WATER LEVEL: Stands 57 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Sub. Pump HOLE SIZE: _____ inches from _____ to _____ feet
Drawdown 65 feet 10 inches from 0 to 170 feet
Rate 85 gal. per min. _____ inches from _____ to _____ feet
Duration 48 hrs., _____ min. SCREEN SIZE: 6 inches from 108 to 113 feet

WATER ZONES: from _____ to _____ feet 6 inches from 120 to 130 feet
from _____ to _____ feet 6 inches from 145 to 155 feet
from _____ to _____ feet CASE SIZE: 6 inches from 0 to 108 feet

WATER: Color _____ Taste _____ 6 inches from 113 to 120 feet
Odor _____ Temp. _____ °F 6 inches from 130 to 145 feet
6 inches from 155 to 157 feet

WELL TO SUPPLY: (check one) Home _____ GROUTING: Method _____
Farm _____ Town _____ School X _____ Material _____ Depth 50 feet
Industry _____ Other _____

WATER ANALYSIS AVAILABLE: Yes _____ No _____ PUMP: Type _____
Capacity _____ gal per min
DRILL CUTTINGS SAVED: 16 Yes X 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: _____

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	13	Fill dirt topsoil light white sand red clay	
13	27	Yellow & red clay	
27	37	Red & Pink clay some yellow clay	
37	47	Red & pink clay some sand	
47	57	Red & white clay red & white sand	
57	67	Blue Gray mud shells sand hard green shale	
67	78	Shells, gray mud, gravel & sand	
78	88	Gravel, sand & sand clay	
88	99	Gravel, sand some gray mud	
99	110	Sand gravel & sand clay	
110	120	White sand gray mud	
120	130	White sand	
130	140	White sand, small gravel, white mud streak	
140	150	White sand	
150	160	Hard sand	
160	170	Sand, gravel gray rock	

(Use additional forms if necessary)

OWNER: Rowanty Vocational
Technical Center
DRILLER: W. H. Gammon
COUNTY: Prince George (Carson)

W#: 4547
C#: 191
TOTAL DEPTH: 170'

GEOLOGIC LOG

Depth
(feet)

- 0-10 Sand — light brown; moderate clay; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; feldspar; few opaques; muscovite.
- 10-20 Sand — light brownish orange; abundant clay; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; feldspar.
- 20-30 As above except fine to coarse grained; some muscovite.
- 30-40 As above plus some yellow clay.
- 40-50 Sand — light yellowish gray; slightly clayey; fine to medium grained; some coarse grains; subangular to subrounded; moderately sorted; quartz; some feldspar; some glauconite; muscovite.
- 50-60 Sand clay — light olive brown; moderate clay-gray, dark yellowish brown clasts; abundant sand; medium grained, some granules; subrounded; moderately sorted; quartz; 30% shell fragments; some black phosphatic material; few spines; few heavily weathered feldspar grains; few grains of glauconite.
- 60-70 Sand — light olive gray; moderate clay; medium grained to granular, 7% pebbles; subrounded; poorly sorted; quartz; 10% shell fragments; some black phosphatic material; foram.
- 70-80 Gravel — light olive gray; slightly clayey; abundant sand; coarse grained to gravel (40%) subrounded; moderately sorted; quartz; few feldspar grains; few black phosphatic fragments; few shell fragments.
- 80-90 Sand — light brownish gray; moderate clay; medium grained to gravel (20%); subangular to subrounded; poorly sorted; quartz; weathered feldspar; some shell fragments; few black phosphatic fragments; few grains of garnet.
- 90-100 Sand — yellowish brown; slightly clayey; medium grained to gravel (25%); subangular to subrounded; poorly sorted; quartz; feldspar; 2% garnet; few black phosphatic fragments; few shell fragments; few grains of glauconite.

Depth
(feet)

100-110 Sand — light grayish brown; slightly clayey; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; feldspar; some garnet; few black phosphatic fragments; few shell fragments.

110-120 Sand — off white; slightly clayey; coarse to very coarse grained; subrounded; well sorted; quartz; feldspar; few grains of garnet.

120-130 As above except medium to very coarse grained; some garnet.

130-140 As above except coarse to very coarse grained.

140-150 As above except medium to coarse grained; few shell fragments.

150-170 As above except coarse to very coarse grained.

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>
0-40	40	Bacons Castle Formation	Pleistocene
40-80	40	Calvert Formation	Miocene-Eocene
80-170	90	Patuxent Formation	Cretaceous

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