

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:
Box 3667
Charlottesville, VA 22903

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

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: Va. Dept. of Highways Mailing Address: Richmond, VA 23219

TENANT: District Maintenance Hdgs. Mailing Address: Lexington, Va.

DRILLER: Bainbridge & Dance, Inc. Mailing Address: Box 11327, Greensboro, NC

WELL LOCATION: County Bath Approx. 1/2 ^{feet} miles east (direction) of
St. Rt. 42-39 int. at Millboro Sp. and 25 ^{feet} ~~miles~~ south (direction) of St. Rt. 39

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

DATE STARTED: Nov. 19, 1968 DATE COMPLETED: Nov. 22, 1968

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 350 feet

WATER LEVEL: Stands 11 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method pump

Drawdown 17 feet

Rate 25 gal. per min.

Duration 6 hrs., 0 min.

HOLE SIZE: 10 inches from 0 to 53 feet

6 inches from 53 to 350 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

WATER ZONES: from 65 to 67 feet

from 79 to 81 feet

from 92 to 94 feet

CASE SIZE: 6 inches from 0 to 53 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

WATER: Color clear Taste sulfur & iron

Odor sulfur Temp. 54 °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other Hwy. Dept. Office

GROUTING: Method poured

Material cement Depth 53 feet

WATER ANALYSIS AVAILABLE: Yes _____ No X

PUMP: Type submersible (test)

Capacity 40 gal. per min

DRILL CUTTINGS SAVED: Yes X No _____

Depth of intake 120 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: Bainbridge & Dance, Inc.

DATE: 12/4/68

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0 17	17 350	Weathered shale; soft, broken Black shale	Water-bearing fractures encountered at 16', 65', 79', 92'. No fractures noted after 94'. Formation consistent in color and texture.

(Use additional forms if necessary)

INTERVAL SHEET

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WWCR: 38
VDMR Well No: 2337

Date rec'd: 12/10/68

Sample Interval: from 10 to: 310'

PROP: Virginia Dept. of Highways

Number of samples: 19 *

COMP: Bainbridge and Dance, Inc.

Total Depth: 350'

COUNTY: Bath (Millboro Springs)

Oil or Gas: Water: XExploratory:

From-To	From-To	From-To	From-To
10	310	-	-
-	No samples	-	-
30	-	-	-
40	-	-	-
50	-	-	-
60	-	-	-
70	-	-	-
80	-	-	-
90	-	-	-
-	-	-	-
110	-	-	-
120	-	-	-
-	-	-	-
150	-	-	-
-	-	-	-
170	-	-	-
180	-	-	-
190	-	-	-
200	-	-	-
-	-	-	-
230	-	-	-
-	-	-	-
250	-	-	-
-	-	-	-
280	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples.

* Discarded 16 samples for which the depth intervals could not be identified.

OWNER: Virginia Department of Highways
DRILLER: Bainbridge & Dance, Inc.
COUNTY: Bath (Millboro Springs)

VDMR: 2337
WWCR: 38
TOTAL DEPTH: 350'

GEOLOGIC LOG

Depth
in feet

10	Shale — medium-gray, slightly fissile; yellow iron-oxide stains on some surfaces
20	No sample
30	Shale — dark-gray, moderately fissile; trace of vein calcite; slickensides on some surfaces
40	Shale — dark-gray, moderately fissile; trace of vein dolomite; slickensides on a few surfaces
50	"
60	"
70	"
80	" fewer slickensided surfaces
90	" "
100	No sample
110	Shale — dark-gray, moderately fissile; with fragments of vein dolomite
120	" and trace of vein quartz
130	No sample
140	No sample
150	Shale — dark-gray, moderately fissile
160	No sample
170	Shale — dark-gray, moderately fissile; trace of vein quartz

OWNER: Virginia Dept. of Highways

#2337

180	Shale — dark-gray, moderately fissile
190	"
200	"
210	No sample
220	No sample
230	Shale — dark-gray, moderately fissile
240	No sample
250	Shale — dark-gray, moderately fissile; traces of vein dolomite, pyrite, and weathered shale
260	No sample
270	No sample
280	Shale — dark-gray, moderately fissile; trace of pyrite; slickensides on a few surfaces
290	No sample
300	No sample
310	Shale — dark-gray, moderately fissile; trace of vein dolomite
320-350	No samples

GEOLOGIC SUMMARY

Rock Unit

Age

Millboro Formation

Middle Devonian

Virginia Division of Mineral Resources
W. W. Winters, Geologist
December 13, 1968