

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B 3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

OWNER: Virginia Department of Highways Mailing Address: Richmond, Va.

TENANT: Interstate Rest Area Mailing Address: 5163 Starkey Rd., S.W.

DRILLER: Frank W. Martin Drilling Co., Inc. Mailing Address: Roanoke, Virginia 24014

WELL LOCATION: County Montgomery Approx. 1.5 miles (direction) of Interstate 81 - Radford, Va. and 0.5 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: 8/3/68 DATE COMPLETED: 9/12/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 270 feet

WATER LEVEL: Stands 0 feet below surface OR has NATURAL flow of 0 gallons per minute.

YIELD TEST: Method air Drawdown 0 feet Rate 30+ gal. per min. Duration 0 hrs., 0 min.

HOLE SIZE: 10 inches from 0 to 138 feet 6 inches from 138 to 270 feet

WATER ZONES: from 0 to 0 feet from 0 to 0 feet from 0 to 0 feet

SCREEN SIZE: 0 inches from 0 to 0 feet 0 inches from 0 to 0 feet CASE SIZE: 6 inches from 0 to 138 feet

WATER: Color Clear Taste 0 Odor None Temp. 0 °F

0 inches from 0 to 0 feet 0 inches from 0 to 0 feet

WELL TO SUPPLY: (check one) Home Farm Town School Industry Other Rest area

GROUTING: Method by Highway Dept. Material 0 Depth 0 feet

WATER ANALYSIS AVAILABLE: Yes No X

PUMP: Type 0 Capacity 0 gal. per min

DRILL CUTTINGS SAVED: Yes X No

Depth of intake 0 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:

FURNISHED BY: Frank W. Martin Drilling Co. Inc. DATE: October 8, 1968

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	100	Dirt	
100	270	Limestone	Mud seam at 135' - Reamed and cased to 138'

INTERVAL SHEET

Page 1 of 1

WWCR: 87
 VDMR Well No: 2320

Date rec'd: 11/20/68

Sample Interval: from 0 to: 250'

PROP: Va. Dept. of Highways

Number of samples: 25

COMP: F. Martin Drilling Co.

Total Depth: 270'

COUNTY: Montgomery (Radford)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
0 - 10	-	-	-
10 - 20	-	-	-
20 - 30	-	-	-
30 - 40	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
110 - 120	-	-	-
120 - 130	-	-	-
130 - 140	-	-	-
140 - 150	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Virginia Department of Highways
DRILLER: Frank W. Martin Drilling Company
COUNTY: Montgomery (Radford)

VDMR:2320
WWCR: 87
TOTAL DEPTH: 270'

GEOLOGIC LOG

Depth
in feet

0-10	Sand and clay — reddish-brown; a few fragments of jasper and chert
10-20	"
20-30	"
30-40	"
40-50	" with a minor amount of weathered sandstone and oolitic chert
50-60	" "
60-70	" "
70-80	" "
80-90	"
90-100	"
100-110	Dolomite — light-gray and yellowish gray, fine-grained; a few fragments of arenaceous dolomite, and a minor amount of manganese dendrites
110-120	" trace of manganese dendrites
120-130	" "
130-140	" " and brecciated dolomite
140-150	Dolomite — medium-gray, medium-grained; white vein dolomite; brecciated
150-160	"
160-170	"

OWNER: Virginia Department of Highways

#2320

170-180	Dolomite — medium-gray, medium-grained; white vein dolomite; brecciated
180-190	" with trace of pyrite
190-200	" "
200-210	" "
210-220	Dolomite — light-gray, fine-grained; with minor amount of arenaceous dolomite, and trace of pyrite
220-230	" with fragments of vein dolomite
230-240	Dolomite — medium-gray, medium-grained; white vein dolomite; brecciated
240-250	" with minor amount of light-gray dolomite
250-270	No samples

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-100'	Overburden	—
100-250'	Beekmantown Formation	Early Ordovician
250-270'	No samples	—

Virginia Division of Mineral Resources
W. W. Winters, Geologist
November 21, 1968