

INTERVAL SHEET WWCR 74

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VDMR Well No: 2150

Date rec'd: 3/5/68

Sample Interval: from 0 to: 425'

PROP: Dept. of State Police (Fancy Hill Station)

Number of samples: 42

COMP: F. W. Martin Drilling Co.

Total Depth: 425'

COUNTY: Rockbridge (Fancy Hill)

Oil or Gas: Water: XExploratory:

From-To	From-To	From-To	From-To
0 - 10	300 - 310	-	-
10 - 20	310 - 320	-	-
20 - 30	320 - 330	-	-
30 - 40	330 - 340	-	-
40 - 50	340 - 350	-	-
50 - 60	350 - 360	-	-
60 - 70	360 - 370	-	-
70 - 80	370 - 380	-	-
80 - 90	380 - 390	-	-
90 - 100	390 - 400	-	-
100 - 110	400 - 410	-	-
110 - 120	410 - 425	-	-
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	-	-	-
250 - 260	-	-	-
260 - 270	-	-	-
270 - 280	-	-	-
280 - 290	-	-	-
290 - 300	-	-	-

All intervals have both washed and unwashed samples

OWNER: Commonwealth of Virginia  
Department of State Police  
DRILLER: Frank W. Martin Drilling Co., Inc.  
COUNTY: Rockbridge (Fancy Hill)

VDMR: 2150  
WWCR: 74  
TOTAL DEPTH: 425'

GEOLOGIC LOG

<u>Depth in feet</u>	
0-10	Clay — light-brown; a few silt-sized quartz grains, and a few medium-gray dolomite fragments
10-20	Dolomite — medium-gray, fine-grained, microcrystalline, very argillaceous; weathered to yellow color along some bedding planes
20-30	"
30-40	"
40-50	Dolomite — dark-gray, medium-grained, crystalline, very argillaceous; some vein dolomite
50-60	"
60-70	" with some arenaceous dolomite; trace of pyrite
70-80	"
80-90	"
90-100	"
100-110	Dolomite — medium-gray, fine-grained, microcrystalline, very argillaceous
110-120	" with some vein dolomite
120-130	" "
130-140	"
140-150	"
150-160	" with some vein dolomite
160-170	Dolomite — dark-gray, fine-grained, crystalline, very argillaceous
170-180	" slightly arenaceous; some vein dolomite

OWNER: Commonwealth of Virginia, Dept. of State Police #2150

180-190	Dolomite -- medium-gray, fine-grained, microcrystalline; minor amount of pyrite
190-200	" with trace of pyrite
200-210	" "
210-220	" "
220-230	" " and a few fragments of dark-gray dolomite
230-240	" " and some fragments of shaly dolomite and dolomite breccia
240-250	Dolomite -- medium-gray, fine-grained, microcrystalline, very argillaceous; some fragments of shaly dolomite and dolomite breccia
250-260	"
260-270	Dolomite -- dark-gray, medium-grained crystalline, very argillaceous; some fragments of fine-grained, microcrystalline dolomite; trace of pyrite
270-280	"
280-290	" fragments of vein dolomite
290-300	" "
300-310	"
310-320	Dolomite -- dark-gray, medium-grained, crystalline, very argillaceous
320-330	Dolomite -- medium-gray, fine-grained, microcrystalline, very argillaceous; some fragments of dark-gray dolomite and vein dolomite
330-340	"
340-350	"
350-360	"
360-370	" with trace of pyrite
370-380	"

OWNER: Commonwealth of Virginia, Dept. of State Police #2150

380-390 Dolomite — dark-gray, fine- to medium-grained,  
crystalline, very argillaceous; fragments of  
vein dolomite

390-400 "

400-410 "

410-425 "

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-10'	Overburden	
10-425'	Conococheague Formation	Cambrian

Virginia Division of Mineral Resources  
W. W. Winters, Geologist  
March 11, 1968

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:  
B-3667  
Charlottesville, VA 22903

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

OFFICE ADDRESS:  
McCormick Road  
Charlottesville, Virginia

OWNER: Commonwealth of Virginia Mailing Address: Richmond, Virginia

TENANT: Dept. of State Police Mailing Address: Lexington, Va.

DRILLER: Frank W. Martin Drilling Co., Inc. Mailing Address: 5163 Starkey Rd., SW  
Roanoke, Virginia

WELL LOCATION: County Rockbridge Approx. 1 <sup>feet</sup>~~miles~~ north (direction) of  
Fancy Hill on U.S. Highway 11 and 200 <sup>feet</sup>~~miles~~ east (direction) of U.S. Hwy. 11

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

DATE STARTED: 2/9/68 DATE COMPLETED: 2/13/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 425 feet

WATER LEVEL: Stands 45 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Pump  
Drawdown 1 feet  
Rate 9 gal. per min.  
Duration 24 hrs., 0 min.

HOLE SIZE: 10 inches from 0 to 56 feet  
5 inches from 56 to 425 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from 70 to 75 feet  
from 380 to 400 feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color Clear Taste \_\_\_\_\_  
Odor \_\_\_\_\_ Temp. 56 °F

CASE SIZE: 5 inches from 0 to 56 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WELL TO SUPPLY: (check one) Home \_\_\_\_\_  
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_  
Industry \_\_\_\_\_ Other St. Police office

GROUTING: Method Pumped  
Material Cement Depth 56 feet

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No X

PUMP: Type Submersible  
Capacity 9 gal. per min  
Depth of intake 359 feet

DRILL CUTTINGS SAVED: Yes X 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: Frank W. Martin Drilling Co. Inc. DATE: March 4, 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	15	Dirt	
15	425	Limestone	Water at 70'-75' and 380'-400'
TOTAL DEPTH			

(Use additional forms if necessary)

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170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
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210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
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