

INTERVAL SHEET

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VDMR Well No: 2075

Date rec'd: 1/3/68

Sample Interval: from 10' to 300'

PROP: Va. Dept. of Highways (Int. #81 Rest Area, #2)

Number of samples: 30

COMP: C. R. Moore Well Drilling Co.

Total Depth: 300'

COUNTY: Rockbridge (Fairfield)

Oil or Gas: Water<sup>X</sup> Exploratory:

From-To	From-To	From-To	From-To
10 - 11	-	-	-
11 - 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	-	-	-
250 - 260	-	-	-
260 - 270	-	-	-
270 - 280	-	-	-
280 - 290	-	-	-
290 - 300	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Virginia Department of Highways  
(Interstate 81 Rest Area, Well #2)  
DRILLER: C. R. Moore Well Drilling Co.  
COUNTY: Rockbridge (Fairfield)

VDMR: 2075  
WWCR: 73  
TOTAL DEPTH: 300'

GEOLOGIC LOG

Depth in feet

0-10	No sample
10-11	Limestone - light- to medium-gray, fine-grained, microcrystalline; some dark-gray, fine-grained, microcrystalline limestone; some weathered materials
11-20	Dolomite - medium-gray, fine-grained, microcrystalline, calcareous; trace of pyrite; some mylonite
20-30	"
30-40	" with some calcite
40-50	Dolomite - medium-gray, fine-grained, microcrystalline; some vein dolomite and calcite crystals
50-60	" with some dark-gray limestone
60-70	Dolomite - light-gray, fine-grained, microcrystalline; trace of pyrite, some mylonite and calcite
70-80	" with medium-gray dolomite; some breccia
80-90	Dolomite - medium- to dark-gray, fine-grained, crystalline, calcareous; vein calcite, mylonite and trace of pyrite; slickensides
90-100	Limestone - dark-gray, fine-grained, microcrystalline
100-110	Dolomite - medium-gray, fine-grained, microcrystalline, calcareous; breccia, mylonite, trace of pyrite
110-120	"
120-130	" with some dark-gray limestone
130-140	"
140-150	Dolomite - light- to medium-gray, fine-grained, microcrystalline

OWNER: Virginia Department of Highways  
(Interstate 81 Rest Area, Well #2)

#2075

- 150-160 Dolomite - light- to medium-gray, fine-grained, microcrystalline,  
with reddish dolomite breccia; some mylonite
- 160-170 " with trace of pyrite
- 170-180 "
- 180-190 "
- 190-200 " with trace of pyrite
- 200-210 " with pyrite and some iron-oxide stained  
mylonite
- 210-220 Dolomite - medium-gray and reddish, fine-grained, micro-  
crystalline; some sheared dolomite and mylonite
- 220-230 "
- 230-240 " with trace of pyrite
- 240-250 Dolomite - medium-gray, fine-grained, microcrystalline; trace  
of pyrite, some mylonite
- 250-260 " with some reddish coloration
- 260-270 " "
- 270-280 " "
- 280-290 " " considerable brecciation
- 290-300 " " "

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-10'	No Sample	
10-300'	Elbrook Formation	Cambrian

NOTE: Brecciation due to proximity of well to the Staunton-Pulaski Fault

Virginia Division of Mineral Resources  
T. M. Gathright, Geologist  
January 4, 1968

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

VDMR - 2075

WWCR - 73

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: Virginia Department of Highways Mailing Address: Richmond

TENANT: Int. 81 Rest Area (Fairfield #2) Mailing Address: \_\_\_\_\_

DRILLER: C. R. Moore Well Drilling Co. Mailing Address: Charlottesville, Va.

WELL LOCATION: County Rockbridge Approx. 6.4 ~~xxx~~ miles south (direction) of  
Augusta Co. line and 200 ~~xxx~~ <sup>feet</sup> west (direction) of Int. 81, West lane

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

DATE STARTED: 11/29/67 DATE COMPLETED: 12/6/67

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 300 feet

WATER LEVEL: Stands 50 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method \_\_\_\_\_  
Drawdown \_\_\_\_\_ feet  
Rate 2 gal. per min.  
Duration \_\_\_\_\_ hrs., \_\_\_\_\_ min.

HOLE SIZE: 6 1/4 inches from 0 to 300 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
SCREEN SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from 109 to 110 feet  
from 160 to 161 feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

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

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

WELL TO SUPPLY: (check one) Home \_\_\_\_\_  
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_  
Industry \_\_\_\_\_ Other Interstate Rest Area

GROUTING: Method \_\_\_\_\_  
Material \_\_\_\_\_ Depth \_\_\_\_\_ feet

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

PUMP: Type \_\_\_\_\_  
Capacity \_\_\_\_\_ gal. per min  
Depth of intake \_\_\_\_\_ 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: Bedrock at 11'

# LOG

FURNISHED BY: O V Gibson

DATE: 12/5/67

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	11	Yellow clay	
11	110	Limestone, gray	
110	160	Limestone, light gray	
160	198	Limestone, light and dark-gray with quartz	
199	238	Limestone, light-gray and red	
238	300	Limestone, light-gray	
TOTAL DEPTH		300	

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130 - 140	-	-	-
140 - 150	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
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