

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: Roanoke County School Board Mailing Address: 526 College Avenue, Salem, Va.

TENANT: Northside Intermediate Sch. Mailing Address: Roanoke, Virginia

DRILLER: R. L. Obenchain Mailing Address: 7317 Williamson Road, NW, Roanoke

WELL LOCATION: County Roanoke Approx. 1/2 ~~miles~~ miles north (direction) of
St. Route 117 and 3/8 ~~miles~~ miles west (direction) of Interstate 581

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

DATE STARTED: November 4, 1968 DATE COMPLETED: November 15, 1968

TYPE OF DRILL RIG USED: cable tool TOTAL DEPTH 332 feet

WATER LEVEL: Stands 38 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method pump

Drawdown 44 feet

Rate 45 gal. per min.

Duration 24 hrs., 0 min.

WATER ZONES: from 100 to 105 feet

from 315 to 330 feet

from _____ to _____ feet

WATER: Color clear Taste good

Odor no Temp. 43 °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School

Industry _____ Other _____

WATER ANALYSIS AVAILABLE: Yes _____ No _____

DRILL CUTTINGS SAVED: Yes 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: _____

HOLE SIZE: 11 inches from 0 to 75 feet

6 inches from 75 to 332 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 6 inches from 0 to 75 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

GROUTING: Method _____

1 bag of cement to
Material 5 gals. water Depth 75 feet

PUMP: Type _____

Capacity _____ gal. per min

Depth of intake _____ feet

LOG

FURNISHED BY: R. L. Obenchain

DATE: Nov. 15, 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	75	Clay	
	75	Sand rock	
75	80	Sand rock	
80	85	Sand rock	
85	90	Sand rock	
90	95	Granite	
95	100	Granite	
100	105	Granite	(water app. 5 gal. per min.)
105	110	Granite	
110	115	Granite	
115	120	Granite	
120	125	Granite	
125	130	Slate	
130	135	Slate	
135	140	Slate	
140	145	Slate	
145	150	Slate	
150	155	Slate	
155	160	Slate	
160	165	Slate	
165	170	Slate	
170	175	Slate	
175	180	Slate	
180	185	Slate	
185	190	Slate	
190	195	Slate	
195	200	Slate	
200	205	Slate	
205	210	Slate	
210	215	Slate	
215	220	Slate	
220	225	Slate	
225	230	Slate	
230	235	Slate	
235	240	Slate	
240	245	Slate	
245	250	Slate	
250	255	Slate	
255	260	Slate	
260	265	Slate	
265	270	Slate	
270	275	Slate	
275	280	Slate	
280	285	Slate	Water
285	290	Slate	Water
290	295	Slate	Water

DRILLERS LOG (con't.) R. L. Obenchain

DEPTH FROM	TO	TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	
295	300	Slate	
300	305	Slate	
305	310	Slate	
310	315	Slate	
315	320	Slate	Water
320	325	Slate	Water
325	332	Slate	Water

INTERVAL SHEET

Page 1 of 1

WWCR: 483
VDMR Well No: 2338

Date rec'd: 12/10/68

Sample Interval: from 75 to: 330'

PROP: Roanoke County School Board
(Northside Inter. Sch.)

Number of samples: 52

COMP: R. L. Obenchain

Total Depth: 332'

COUNTY: Roanoke (Roanoke)

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To
No samples	215 - 220	-	-
75 -	220 - 225	-	-
75 - 80	225 - 230	-	-
80 - 85	230 - 235	-	-
85 - 90	235 - 240	-	-
90 - 95	240 - 245	-	-
95 - 100	245 - 250	-	-
100 - 105	250 - 255	-	-
105 - 110	255 - 260	-	-
110 - 115	260 - 265	-	-
115 - 120	265 - 270	-	-
120 - 125	270 - 275	-	-
125 - 130	275 - 280	-	-
130 - 135	280 - 285	-	-
135 - 140	285 - 290	-	-
140 - 145	290 - 295	-	-
145 - 150	295 - 300	-	-
150 - 155	300 - 305	-	-
155 - 160	305 - 310	-	-
160 - 165	310 - 315	-	-
165 - 170	315 - 320	-	-
170 - 175	320 - 325	-	-
175 - 180	325 - 330	-	-
180 - 185	-	-	-
185 - 190	-	-	-
190 - 195	-	-	-
195 - 200	-	-	-
200 - 205	-	-	-
205 - 210	-	-	-
210 - 215	-	-	-

All intervals have both washed and unwashed samples.

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#2338

145-150	Shale — dark-gray, slightly fissile, very calcareous; a few flecks of brown iron-oxide stains
150-155	"
155-160	"
160-165	"
165-170	"
170-175	"
175-180	"
180-185	"
185-190	Shale — dark-gray, slightly fissile, very calcareous; a few flecks of brown iron-oxide stains and a trace of vein calcite
190-195	"
195-200	"
200-205	"
205-210	"
210-215	" with minor amount of light gray, micaceous, meta-bentonite; slicken- sides on a few surfaces
215-220	" "
220-225	"
225-230	"
230-235	Shale — very dark-gray, fissile, calcareous; minor amounts of meta-bentonite and vein calcite

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#2338

235-240	Shale — very dark-gray, fissile, calcareous; minor amounts of vein calcite
240-245	" with a few fragments of meta-bentonite
245-250	"
250-255	" with a few fragments of meta-bentonite
255-260	" "
260-265	"
265-270	" with a few fragments of meta-bentonite
270-275	"
275-280	"
280-285	"
285-290	"
290-295	"
295-300	"
300-305	" with a few fragments of meta-bentonite
305-310	"
310-315	"
315-320	"
320-325	"
325-330	"
330-332	No sample

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#2338

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-75'	No Samples	-
75-125'	Bays Formation	Middle Ordovician
125-330'	Edinburg Formation	Middle Ordovician
330-332'	No Sample	-

Virginia Division of Mineral Resources
W. W. Winters, Geologist
December 12, 1968