#### INTERVAL SHEET WWCR: 11

Page 1 of 1

VDMR Well No: 2200

Date rec'd: 6/10/68

Sample Interval: from 0 to: 243'

PROP: Craig County School Board

Number of samples: 22

COMP: Frank W. Martin Drilling Co.

Total Depth: 243'

COUNTY: Craig (New Castle)

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To
0 - 10	<u>-</u>		
10 - 20	_		
20 - 30	_	-	-
30 - 40	_	_	=
40 - 60	-	-	- 1
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(0 70			
60 - 70		-	<del>-</del>
70 - 80	=.	-	_ * % **
80 - 85	a = 1	-1	-
85 - 102	-	_	
102 - 120	1 <del>-</del> 2	-	e to L <del>-</del> pet
120 - 130	( <del>-</del> )		
130 - 140	-	-	
140 - 150	·	_	
150 - 160	; <del>-</del> ,	_	_
160 - 172		_	
	-	-	
172 - 174			
174 - 180	,	-	
180 - 185	-	-	-
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185 - 195	-	~	-
195 - 212	-	-	
212 _ 220	-		_ **
220 _ 243	-	-	<u> </u>
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OWNER: Craig County School Board DRILLER: Frank W. Martin Drilling Co., Inc.

COUNTY: Craig (New Castle)

VDMR: 2200 WWCR: 11

TOTAL DEPTH: 243'

## GEOLOGIC LOG

Depth in feet			
0-10	Sand, quartzite, and	shale — weathered	
10-20	11	with goethite nodules	
20-30	<u>e</u>	us sandstone — yellow, weathered prown, coarse-grained, well-rounded and sandstone	
30-40		- light-brown, well-rounded sand and sandstone; minor amount of goethite cement	
40-60	††		
60-70	well-sorted;	Sand — light-brown, coarse-grained, well-rounded, well-sorted; minor amount of sandstone with argillaceous matrix	
70-80	<u>-</u>	Quartzite — yellowish-brown, coarse-grained, well- sorted; argillaceous matrix; trace of conglomerate	
80-85	TT .	with minor amount of chert	
85-102	dark-gray ar fragments of	Siltstone — dark-brown; minor amount of brown and dark-gray argillite and trace of sandstone; fragments of gray, fossiliferous chert and minor amount of black limestone	
102-120		with silicified brachiopod, crinoid, bryozoan and coral (favosites) fragments, and minor amount of black chert	
120-130		sh-brown, fine-grained; argillaceous lithic fragments; minor amounts of chert	
130-140	If	with some light- and dark-gray chert, sandy calcarenite, and a few silicified brachiopod and crinoid fragments	

OWNER: Craig County School Board

OWNER:	Crarg County School Board #2200
140-150	Sandstone — dark-gray, fine-grained; calcareous cement; minor amounts of light-brown siltstone and chert
150-160	with fragments of arenaceous limestone
160-172	Sandstone — light-brown, well-rounded; calcareous cement; minor amount of chert; trace of fossil fragments
172-174	11
174-180	11
180-185	11
185-195	Siltstone - dark-gray; calcareous cement
195-212	Sandstone — dark-gray and brown, very friable; traces of calcite and chert; minor amount of light-gray limestone
212-220	Siltstone — dark-gray, calcareous, sandy; minor amount of calcite, and trace of pyrite
220-243	11

#### GEOLOGIC SUMMARY

### ROCK UNIT

AGE

#2200

Oriskany and Helderburg formations Devonian
Note: As construction problems were encountered
during drilling, the samples are probably contaminated
by unconsolidated rock material that continuously
collapsed from the sidewalls of the drill hole. Helderburg
limestones crop out on strike with the rock section penetrated
by the drill hole, and it is probable that the construction
problems and resultant sample-contamination is due to
penetration of a collapsed solution cavity filled with debis from
the Oriskany Formation.

Virginia Division of Mineral Resources William W. Winters, Geologist June 19, 1968

# COMMONWEALTH OF VIRGINIA

WWCR: 11 DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

P 3667

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS: McCormick Road

VDMR: 2200

C. rlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

OWNER: Craig County School Board	Mailing Address: New Castle, Virginia
TENANT: _Elementary School	Mailing Address: 11 5163 Starkey Rd., SW
DRILLER: Frank W. Martin Drilling Co., Inc.	5163 Starkey Rd., SW Mailing Address: Roanoke, Virginia
WELL LOCATION: County Craig	Approx. 1 xxxxx east (direction) of
New Castle 200	feet east (direction) of St. Route 42
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM T COUNTY HIGHWAY OR OTHER MAP.)	WO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC ON L
DATE STARTED: March 20, 1968	
TYPE OF DRILL RIG USED: Cable	TOTAL DEPTH 243 feet
WATER LEVEL: Stands 7 feet below	emosseume   600   691
has <u>NATURAL</u> flow of_	200 207 Ciral funds per minute is 102 203 207 243 Limestens
YIELD TEST: Method Pump	HOLE SIZE: 16 inches from 0 to 121 feet
Drawdown4feet	
Rate 62 gal. per min.	6inches from 168to243_feet
Duration 48 hrs., 0 min.	SCREEN SIZE:inches fromtofeet
WATER ZONES: from 169 to 243 feet	inches fromtofeet
fromfeet	inches fromtofeet
fromtofeet	CASE SIZE: 16 inches from 0 to 66 1/6 feet
WATER: Color Clear Toste Good	
OdorTemp°F	6 inches from 0 to 169 1/6 feet
WELL TO SUPPLY: (check one) Home	GROUTING: Method Poured
FarmTownSchool_X	Material Cement Depth 169 feet
IndustryOther	PUMP: Type Submersible
WATER ANALYSIS AVAILABLE: Yes X No	Capacity 62gal. per min
DRILL CUTTINGS SAVED: Yes X No  (DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISH	Depth of intake 171 feet INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS ED FREE OF CHARGE UPON REQUEST.)
R ARKS:	

BERROOM FURNISHED BY:

UP MR - 2200

11 - 11000

FURNISHED BY: Frank W Martin Drilling Co., Inc

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED		REMARKS	
FROM	то	( gravel, clay, etc., hardness, color, etc.)		(water, caving, shot, screen, sample, etc.)	
0	35	Sand - Shaley clay		PENANT.	
35	40	Gravel			
40	90	Sandstone	* 1555 e * 1556 e * 1	Seam sand at 55°	
90	102	Blue black slate		VELL LOCATION COUNTY WENTER	
102	110	Soft shale	Light book		
110	3 2 121	wo REFERENCE POINTS atalac Mcs (Wins)	MILES FROM T	GIVE DIRECTION AND DISTANCE IN FEET O	
121	130	Broken shale		COUNTY HIGHWAY DE OTHER MAP)	
130	131	Mud seam		NATE STARTED METER ET. 1869.	
100 131	168	Limestone - hard streaks		TYPE OF DRILL WIG USED COMP	
168	172	Granite	woled tes_	WATER LEVELAS Stands 3	
172	174	Limestone			
174	180	Granite	Lio woli JA	AUTAN ABA	
180	200	Limestone		(IELD TEST Marked TEST	
200	207	Granite of Ol	ites	nwo bawa ya	
207	243	Limestone		reg lpg 63 648	
1991 21		MON1 8 9 1 2 7) - 9	0.10	190 (0)	
	(ot	SCREEN SIZE TELL Webe's tram	nin	_Onandgsno rantid	
	6+	most eatlani	1951	VATER ZOWES, Tion delambe to	
		. inches from	1991 8/44	01 - 55 % mg5Y	
			1991		
	522_01 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	CASE SIZE: 16 inches from	1963		
	il. · \Q	Inort dedoni O.S.	bari	ATER Color Test	
	ar or b		20		
		GROUTING Method Paured			
				ELL TO SUPPLY (check one) Home	
1991	SeT 410	eC <u>diseaso</u> lonateM		EarmSohe	
		PUMP: Type ducertible		IndustryOther	
		80	5 M - N	ATER ANALYSIS AVAILABLEIVEL	
	10 p				
	- nacatuo	Depth of indee	N DO OF TA	RILL CUTTINGS SAVED: Yes.	
	1 Ossakle	O PREE OF CHARGE UPON REQUEST	SE ARE FURNISHE	SETCE EXPRESS COLLECT SAMPLE BAT	
	2,000			EMARKS	
side -	1000				
		ABVO (JJBW (Use additional form			