

INTERVAL SHEET WWCR 72

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VDMR Well No: 2156

Date rec'd: 3/28/68

Sample Interval: from 0 to: 320'

PROP: Town of Chase City, Well #14

Number of samples: 32

COMP: Sydnor Hydrodynamics, Inc.

Total Depth: 325'

COUNTY: Mecklenburg (Chase City)

Oil or Gas: Water: X 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	-	-	-
250 - 260	-	-	-
260 - 270	-	-	-
270 - 280	-	-	-
280 - 290	-	-	-
290 - 300	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Town of Chase City, Well #14
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Mecklenburg (Chase City)

VDMR: 2156
WWCR: 72
TOTAL DEPTH: 325'

GEOLOGIC LOG

<u>Depth in feet</u>	
0-10	Saprolite — tannish-brown, weathered and very iron-oxide stained, fine- to medium-grained; quartz, feldspar, sericite and biotite; fragments of meta-quartzite and vein quartz; some clay
10-20	"
20-30	"
30-40	" brown; a few quartzite fragments
40-50	"
50-60	" brown; many coarse greenstone and gneissic fragments
60-70	"
70-80	"
80-90	Greenstone — light blue-gray, cryptocrystalline, foliated, slightly fissile; quartz, biotite, feldspar, and epidote
90-100	Greenstone — blue-gray, cryptocrystalline to microcrystalline; quartz, feldspar, chlorite, biotite and epidote
100-110	"
110-120	Amygdaloidal greenstone — blue gray, cryptocrystalline to slightly microcrystalline; quartz, feldspar, chlorite, epidote, biotite and sericite
120-130	"
130-140	Greenstone — blue-gray, cryptocrystalline to slightly microcrystalline; quartz, feldspar, biotite, sericite, chlorite, epidote, and trace of calcite
140-150	"
150-160	"

OWNER: Town of Chase City, Well #14

#2156

160-170	Greenstone — reddish-blue-gray, cryptocrystalline to slightly microcrystalline; quartz, feldspar, biotite, sericite, chlorite and epidote; traces of jasper and calcite; fragments with blebs of light-gray felspathic material and sericite
170-180	"
180-190	"
190-200	" blue-gray; trace of pyrite, no jasper
200-210	" "
210-220	" a few fragments with light-gray blebs
220-230	Greenstone — blue-gray, cryptocrystalline to slightly microcrystalline; quartz; feldspar, biotite, sericite, chlorite and epidote; traces of pyrite and calcite
230-240	"
240-250	" a few fragments with light-gray blebs
250-260	" "
260-270	" " with a slightly increase in amount of chlorite
270-280	" "
280-290	"
290-300	" no pyrite
300-310	Greenstone — blue-gray, microcrystalline to cryptocrystalline, foliated, slightly schistose; quartz, chlorite, feldspar, sericite, biotite, epidote, and trace of calcite
310-320	"
320-325	No sample

-GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-80'	Saprolite	
80-320'	Altered volcanics	Paleozoic (?)
320-325'	No sample	

Virginia Division of Mineral Resources
 Robert G. Willson, Geologist
 April 5, 1968

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

VOMR - 2156
WWCR - 72

MAILING ADDRESS:
Box 3667
Charlottesville, VA 22903

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

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: Town of Chase City Mailing Address: Chase City, Virginia

TENANT: Well # 12 / 14 Mailing Address: _____

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: 1305 Brook Road, Richmond, Virginia

WELL LOCATION: County Mecklenburg Approx. 100 ^{feet} ~~yards~~ South (direction) of _____
"E" Street and 100 ^{feet} ~~yards~~ East (direction) of Madison Street

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

DATE STARTED: January 26, 1968 DATE COMPLETED: February 5, 1968

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 325 feet

WATER LEVEL: Stands 25 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Air Lift
Drawdown _____ feet
Rate 37 1/2 gal. per min.
Duration 2 hrs., _____ min.

HOLE SIZE: 10 inches from 0 to 77 feet
6 1/2 inches from 77 to 325 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 83 to 85 feet
from 163 to 165 feet
from 188 to 190 feet

SCREEN SIZE: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER: Color Clear Taste OK
Odor None Temp. _____ °F

CASE SIZE: 7" OD inches from 0+2 to 77 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WELL TO SUPPLY: (check one) Home _____
Farm _____ Town X School _____
Industry _____ Other _____

GROUTING: Method Pressure
Material cement & Correct Water Depth 77 feet

WATER ANALYSIS AVAILABLE: Yes _____ No X

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: 31

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc.

DATE: 2-7-68

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	19	Red Clay	
19	35	Yellow Clay	
35	70	Brown Sandstone	
70	83	Black Rock	
83	85	Soft Brown Rock (water)	
85	163	Black Rock	
163	165	Soft Brown Rock (water)	
165	188	Black Rock	
188	190	Soft Broken Rock (water)	
190	240	Black Rock	
240	290	Green Rock	
290	310	Black Rock	
310	325	Green Rock	