



OWNER: F. L. Showalter, Inc. Contractor  
(Staunton Plaza Treatment Plant)  
DRILLER: Sydnor Hydrodynamics, Inc.  
COUNTY: Augusta

VDMR: 2041  
WWCR: 380  
TOTAL DEPTH: 300'

GEOLOGIC LOG

Depth in feet

0-15	Shale - dark-gray, fissle, vein calcite
15-30	" some light-olive-gray shale
30-45	"
45-60	"
60-75	"
75-90	"
90-105	"
105-120	"
120-135	"
135-150	"
150-165	"
165-180	Shale - dark-gray, fissle
180-195	" trace calcite
195-210	" "
210-225	" " trace pyrite
225-240	" "
240-255	" " some light-olive-gray shale
255-270	Shale - dark-gray, fissle, vein calcite, trace pyrite
270-285	"
285-300	"

OWNER: F. L. Showalter, Inc. Contractor  
(Staunton Plaza Treatment Plant)

#2041

GEOLOGIC SUMMARY

<u>Rock Unit</u>	<u>Age</u>
Edinburg Formation	Ordovician

Virginia Division of Mineral Resources  
W. W. Winters, Geologist  
November 1967

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

VDMR - 2041  
WWCR - 380

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

OWNER: F. L. Showalter, Inc. Contractors Mailing Address: 2900 Fulks St., Lynchburg, Va.

TENANT: Staunton Plaza Waste Water Treatment Plant Mailing Address: Staunton, Va.

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: Box 1476, Richmond, Va. 23212

WELL LOCATION: County Augusta Approx. 1/2 <sup>xxx</sup> miles east (direction) of  
Route 81 and 1 1/2 <sup>xxx</sup> miles south (direction) of Route 250

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

DATE STARTED: September 5, 1967 DATE COMPLETED: September 17, 1967

TYPE OF DRILL RIG USED: Rotary No. 65 TOTAL DEPTH 300 feet

WATER LEVEL: Stands 21 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Submersible

Drawdown \_\_\_\_\_ feet

Rate 25 gal. per min.

Duration 24 hrs., \_\_\_\_\_ min.

WATER ZONES: from 64 to 65 feet

from 224 to 225 feet

from 289 to 290 feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_

Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

WELL TO SUPPLY: (check one) Home \_\_\_\_\_

Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_

Industry \_\_\_\_\_ Other Plant

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

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: \_\_\_\_\_

HOLE SIZE: 8 3/4 inches from 0 to 25 feet

7 7/8 inches from 25 to 56 1/2 feet

5 inches from 56 1/2 to 300 feet

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

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

CASE SIZE: 5 inches from 0 + 1 1/2 to 56 1/2 feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

GROUTING: Method Pressure

Material Cement & Water Depth 56 + 1 feet

PUMP: Type \_\_\_\_\_

Capacity \_\_\_\_\_ gal. per min

Depth of intake \_\_\_\_\_ feet



LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc.

DATE: September 21, 1967

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	1	Top soil	
1	4	Weathered slate	
4	48	Solid gray shale	
48	50	Soft and broken formation	
50	51	Solid gray shale	
51	62	Soft and broken formation	
62	64	Solid shale	
64	65	Water entering	
65	224	Solid blue shale	
224	225	Water entering	
225	285	Solid blue shale	
285	289	Solid blue shale	
289	290	Water entering	
290	300	Solid blue shale	