

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2361
C-90

MAILING ADDRESS:

B 3667
C Charlottesville, VA 22903

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

OFFICE ADDRESS:

McCormick Road
Charlottesville, Virginia

OWNER: Lynchburg Foundry Mailing Address: Post Office Box 806
Radford, Virginia 24141

TENANT: Test Well Mailing Address: Post Office Box 1476

DRILLER: Sydnor Hydrodynamics, Incorporated Mailing Address: 1305 Brook Road, Richmond, Va.

WELL LOCATION: County Montgomery Approx. 300 ^{feet}/_{miles} east (direction) of
New River and 1 1/2 ^{xxx}/_{miles} south (direction) of New River bridge on U. S. Hwy. 11

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

DATE STARTED: 10/8/68 DATE COMPLETED: 12/3/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 357 feet

WATER LEVEL: Stands 3.18 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method pumped

Drawdown 23.10 feet

Rate 703 gal. per min.

Duration 29 hrs., 0 min.

WATER ZONES: from 87 to 90 feet

109 110

from 146 to 147 feet

160 161

from 260 to 261 feet

WATER: Color clear Taste _____

Odor none Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry X Other _____

WATER ANALYSIS AVAILABLE: Yes X No _____

DRILL CUTTINGS SAVED: Yes 21 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: 12 1/4 inches from 0 to 27 feet

9 7/8 inches from 27 to 60 feet
7 7/8 inches from 60 to 150 feet

6 1/2 inches from 150 to 357 feet

SCREEN SIZE: _____ inches from _____ to _____ feet
none

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 10 inches from +1 to 30 feet

8 inches from +2 to 60 feet

_____ inches from _____ to _____ feet

GROUTING: Method none

Material _____ Depth _____ feet

PUMP: Type test turbine

Capacity _____ gal. per min

Depth of intake _____ feet

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc.DATE: 12/9/68

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	27	Broken formation and fill	
27	40	Seamy limestone and clay, mixed	
40	58	Gray limestone	
58	60	Mud seam	Some water
60	87	Gray limestone	
87	90	Water	Broken formation
90	109	Gray limestone	
109	110	Mud seam	Water
110	146	Gray limestone	
146	147	Seam	Water
147	160	Gray limestone	
160	161	Seam	Water
161	260	Gray limestone	
260	261	Seam	Water
261	272	Gray limestone	
272	277	Shale and limestone	
277	328	Gray limestone	
328	357	Gray shale	

(Use additional forms if necessary)

VIRGINIA DIVISION OF MINERAL RESOURCES
INTERVAL SHEET

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Well Repository No: W-2361

Date rec'd: 12/26/68

Sample Interval: from 0 to: 345'

PROP: Lynchburg Foundry test well

Number of samples: 21

COMP: Sydnor Hydrodynamics, Inc.

Total Depth: 357'

COUNTY: Montgomery (Radford)

Oil or Gas: Water:X Exploratory:

From-To	From-To	From-To	From-To
0 - 10	-	-	-
-	-	-	-
30 - 45	-	-	-
45 - 60	-	-	-
-	-	-	-
75 - 90	-	-	-
90 - 105	-	-	-
105 - 120	-	-	-
120 - 135	-	-	-
135 - 150	-	-	-
150 - 165	-	-	-
165 - 180	-	-	-
180 - 195	-	-	-
195 - 210	-	-	-
210 - 225	-	-	-
225 - 240	-	-	-
240 - 255	-	-	-
255 - 270	-	-	-
270 - 285	-	-	-
285 - 300	-	-	-
300 - 315	-	-	-
315 - 330	-	-	-
330 - 345	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples

OWNER: Lynchburg Foundry Test Well
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Montgomery (Radford)

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TOTAL DEPTH: 357'

GEOLOGIC LOG

Depth
in feet

0-10	Dolomite — light gray, laminated, slightly arenaceous and argillaceous; traces of vein dolomite and calcite; a few slickensides
10-30	No samples
30-45	Dolomite — light to medium gray, thin bedded to massive, sub-conchoidal fracture; minor amount of iron-oxide stains along fracture surfaces
45-60	" with minor amount of iron-oxide-stained sandstone
60-75	No sample
75-90	Calcareous dolomite — light to medium gray, laminated; with intraformational dolomitic conglomerate and dolomite veinlets; a few clear quartz crystals; minor amount of iron-oxide stains
90-105	Dolomite — medium gray, massive; minor amounts of quartz crystals and iron-oxide stains
105-120	Dolomite — light and medium gray, laminated and massive, slightly calcareous; trace of vein calcite
120-135	Dolomite — medium to dark gray, massive; with a few thin dolomite veins
135-150	Dolomite — light tannish-gray and dark gray, laminated and massive; minor amount of limonite coatings and crystalline hematite (?)
150-165	Dolomite — medium gray, massive, very finely crystalline; minor amount of iron-oxide stains and coatings
165-180	Dolomite — light tannish-gray, laminated, calcareous and arenaceous; minor amount of medium gray, massive dolomite

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180-195	Dolomite — light tannish-gray, laminated, calcareous and arenaceous; minor amount of medium gray, massive dolomite
195-210	" with trace of vein calcite
210-225	" "
225-240	" " no medium gray dolomite
240-255	" "
255-270	" "
270-285	Limestone — very dark gray calcilutite with intra-formational conglomerate; with iron-oxide stains, siderite box-work, limonite crusts and weathered dolomite
285-300	" with trace of silicified algal structure
300-315	Dolomite — light and dark gray, laminated and massive, large amount of weathered dolomite
315-330	"
330-345	" decrease in amount of weathered dolomite
345-357	No sample

GEOLOGIC SUMMARY

<u>Rock Unit</u>	<u>Age</u>
Elbrook Formation	Cambrian

Virginia Division of Mineral Resources
T. M. Gathright, Geologist
December 30, 1968