

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2360
C- 705

MAILING ADDRESS:
P. 3667
Charlottesville, VA 22903

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

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: Fairfax County Governmental Center Mailing Address: Fairfax, Virginia

TENANT: Limbach Company Mailing Address: 6611 Iron Place, Springfield, Va.

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

WELL LOCATION: County Fairfax Approx. 75 ^{feet}~~miles~~ west (direction) of
Courthouse Drive and 100 ^{feet}~~miles~~ south (direction) of U.S. Hwy. 50

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

DATE STARTED: 11/5/68 DATE COMPLETED: 11/20/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 205 feet

WATER LEVEL: Stands 16 1/2 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method air lift

* Drawdown 88 1/2 feet

* Rate 33 gal. per min.

Duration _____ hrs., _____ min.

WATER ZONES: from 140 to 205 feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color Clear Taste _____

Odor None Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other Civil Defense Center

WATER ANALYSIS AVAILABLE: Yes _____ No X

DRILL CUTTINGS SAVED: Yes 20 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: * 42 gpm w/183 1/2' drawdown, 41 gpm w/148 1/2' drawdown.

HOLE SIZE: 11 inches from 0 to 140 feet

6 inches from 140 to 205 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

None

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 6 inches from +1 1/2 to 140 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

GROUTING: Method pressure

cement &

Material water Depth 140 feet

PUMP: Type _____

Capacity _____ gal. per min

Depth of intake _____ feet

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc.

DATE: 11/20/68

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	132	Soft slate	
132	140	Hard slate	
140	170	Hard brown slate	(started picking up water at 140' with gradual increase to 205')
170	205	Green slate	

(Use additional forms if necessary)

VIRGINIA DIVISION OF MINERAL RESOURCES
INTERVAL SHEET

C- 705

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Well Repository No: W-2360

Date rec'd: 12/26/68

Sample Interval: from 0 to: 200'

PROP: Fairfax Co. Governmental Center
(Limbach Company)

Number of samples: 20

COMP: Sydnor Hydrodynamics, Inc.

Total Depth: 205'

COUNTY: Fairfax (Springfield)

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	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Fairfax County Government Center (Limbach Co.) W-2360
DRILLER: Sydnor Hydrodynamics, Inc. C- 705
COUNTY: Fairfax (Fairfax) TOTAL DEPTH: 205'

GEOLOGIC LOG

Depth
in feet

0-10	Saprolite — light silver-tan sericite and fine quartz sand; trace of manganese stains
10-20	"
20-30	"
30-40	"
40-50	"
50-60	" with minor amount of vein quartz
60-70	"
70-80	"
80-90	"
90-100	"
100-110	Sericite phyllite — silvery tan, weathered
110-120	" with large amount of saprolite
120-130	Sericite phyllite and vein quartz — tan, weathered; iron-oxide and manganese-oxide stains; a few pyrite crystals
130-140	Sericite phyllite — silvery tan, iron-oxide stained, weathered
140-150	" minor amount of vein quartz
150-160	" "
160-170	"

OWNER: Fairfax County Government Center (Limbach Co.) W-2360

170-180	Sericite phyllite — silvery gray, slightly weathered
180-190	" minor amount of iron-oxide stains
190-200	Sericite-muscovite phyllite — silver-gray; traces of vein quartz and pyrite
200-205	No sample

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-100'	Saprolite	—
100-200'	Sericite phyllite	Paleozoic (?)
200-205'	No sample	—

Virginia Division of Mineral Resources
T. M. Gathright, Geologist
January 2, 1969