

OWNER: Leas and McVitty
(New River Tannery #3)
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Giles (Pearisburg)

VDMR: 2067
WWCR: 18
TOTAL DEPTH: 250'

GEOLOGIC LOG

Depth in feet

0-20	Gravel, sand, and clay
20-30	"
30-40	"
40-50	"
50-60	"
60-70	"
70-83	"
83-88	"
88-92	Sand, clay and chert
92-97	"
97-99	"
99-102	Dolomite - dark-gray, fine- to medium-grained, crystalline, argillaceous; gray and banded chert; some clay
102-109	Sand, clay, and chert
109-112	Dolomite - medium- to dark-gray, fine- to medium-grained, crystalline, argillaceous; light- and dark-gray chert; some clay
112-119	" some quartzite
119-121	"
121-127	" some vuggy quartzite
127-128	"

128-138	Dolomite - medium- to dark-gray, fine- to medium-grained, crystalline, argillaceous; light- and dark-gray chert; some clay
138-141	"
141-148	" much vuggy chert
148-158	"
158-168	"
168-178	"
178-184	"
184-193	Dolomite - light-gray, fine-grained, microcrystalline, argillaceous; some light- and dark-gray chert
193-199	"
199-200	"
200-210	" much medium-gray, medium-grained dolomite; some oolitic dolomite and clay
210-220	"
220-227	"
227-237	Dolomite - light-gray, fine-grained, microcrystalline, argillaceous
237-247	" minor light-brown shale
247-250	" "

GEOLOGIC SUMMARY

<u>Rock Unit</u>	<u>Age</u>
0-99'	Recent ?
99-250'	Ordovician

Virginia Division of Mineral Resources
W. W. Winters, Geologist
December 27, 1967

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:
Box 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Leas & McVitty Mailing Address: Pearisburg, Virginia

TENANT: New River Tannery Well #3 Mailing Address: Same as above

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: Box 1476 - Richmond, VA

WELL LOCATION: County Giles Approx. 150 ^{feet} ~~****~~ east (direction) of
Route 100 and 150 ^{feet} ~~miles~~ south (direction) of New River

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

DATE STARTED: October 2, 1967 DATE COMPLETED: November 21, 1967

TYPE OF DRILL RIG USED: Cable Tool No. 13 TOTAL DEPTH 250 feet

WATER LEVEL: Stands 34'1/2" feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Turbine
Drawdown 2'9 1/4" feet
Rate 427 gal. per min.
Duration 18 hrs., _____ min.

HOLE SIZE: 20 inches from 0 to 32'1" feet
16 inches from 32'1" to 50'1" feet
12 inches from 50'1" to 62'8" feet
10 inches from 62'8" to 98'6" feet
8 inches from 98'6" to 250 feet

WATER ZONES: from 119 to 121 feet
127 to 128 feet
from 141 to 149 feet
182 to 184 feet
from 199 to 200 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: 20 inches from 0 to 32'1" feet
16 inches from 0 to 50'1" feet
12 inches from 0 to 62'8" feet
10 inches from 0 to 98'6" feet
8 inches from 0 to 116'3" feet

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

GROUTING: Method Gravity-All pipes grouted
Material Cement & water Depth 116'3" 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: _____

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc.

DATE: November 30, 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	9	Sandy soil - small boulders	
9	13	Sand, gravel, large boulders	
13	29	Boulders, shale, mud and gravel	
29	32	Boulders, hard streaks clay, gravel and shale	
32	34'9"	Hard rock*****	
34'9"	49	Hard streaks, mud, boulders & river rock	
49	52	Hard streaks shale	
52	55	Hard rock	
55	57'6"	Soft mud, shale	
57'6"	59	Hard rock	
59	61	Soft mud, shale	
61	62'6"	Hard rock	
62'6"	69	Hard and soft streaks	
69	74	Hard rock, blue	
74	88	Mud and shale	
88	92	Hard and soft streaks, mud	
92	99	Hard brown sand rock	
99	102	Shale, mixed limestone, some clay	
102	109	Brown sand stone	
109	112	Mud, shale and limestone	
112	116	Hard rock	
116	119	Blue limestone	
119	121	Soft material, mud and shale	
121	127	Blue limestone	
127	128	Mud and shale	
128	141	Mixed limestone	
141	149	Mud and shale	
149	176	Mixed limestone	
176	177	Hard rock	
177	179	Mixed limestone	
179	180	Hard rock	
180	184	Soft mixed limestone	
184	193	Limestone, white and black	
193	199	Brown limestone	
199	200	Clay, mud, shale	
200	207	Hard limestone - blue and brown	
207	224	Shale and blue limestone	
224	239	Mixed limestone (Crack @239)	
239	246	Shale, brown limestone	
246	250	Brown shale, limestone (muddy)	

INTERVAL SHEET

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WWCR: 18

VDMR Well No: 2067

Date rec'd: 12/15/67

Sample Interval: from 0' to: 250'

PROP: Leas & McVitty
(New River Plant Well #3)

Number of samples: 34

COMP: Sydnor Hydrodynamics

Total Depth: 250'

COUNTY: Giles (Pearisburg)

Oil or Gas: Water:x Exploratory:

From-To	From-To	From-To	From-To
0 - 20	220 - 227	-	-
20 - 30	227 - 237	-	-
30 - 40	237 - 247	-	-
40 - 50	247 - 250	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 83	-	-	-
83 - 88	-	-	-
88 - 92	-	-	-
92 - 97	-	-	-
97 - 99	-	-	-
99 - 102	-	-	-
102 - 109	-	-	-
109 - 112	-	-	-
112 - 119	-	-	-
119 - 121	-	-	-
121 - 127	-	-	-
127 - 128	-	-	-
128 - 138	-	-	-
138 - 141	-	-	-
141 - 148	-	-	-
148 - 158	-	-	-
158 - 168	-	-	-
168 - 178	-	-	-
178 - 184	-	-	-
184 - 193	-	-	-
193 - 199	-	-	-
199 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-

All intervals have both washed and unwashed samples.