

OWNER: Sealtest Foods Plant  
DRILLER: Sydnor Hydrodynamics, Inc.  
COUNTY: Montgomery (Christiansburg)

VDMR: 2040  
WWCR: 86  
TOTAL DEPTH: 701'

GEOLOGIC LOG

Depth in feet

0-10	Clay, sand and chert fragments
10-20	Shale - grayish-orange, slightly fissile, manganese stains, weathered
20-30	Dolomite - medium-gray, fine-grained, crystalline, argillaceous
30-40	" some grayish-orange dolomite
40-50	" "
50-60	" "
60-70	" "
70-80	" "
80-90	" "
90-100	" "
100-110	" "
110-120	" " manganese stains
120-121	No sample
121-131	Dolomite - dark-yellowish-brown, fine-grained, crystalline, argillaceous
131-141	Dolomite - dark-gray, fine-grained, crystalline, argillaceous; some light-olive-gray dolomite
141-151	" some weathered vuggy material and vein dolomite
151-161	"
161-171	"

171-181	Dolomite - dark-gray, fine-grained, crystalline, argillaceous; some light-olive-gray dolomite
181-191	" some gray chert
191-201	Dolomite - medium-gray, fine-grained, crystalline
201-211	"
211-221	" some white chert
221-231	"
231-241	"
241-251	" with some dark-gray dolomite and vein dolomite
251-261	Dolomite - medium-gray, fine-grained, crystalline, trace pyrite
261-271	" some dark-gray dolomite and vein dolomite
271-281	Dolomite - dark-gray, fine-grained, crystalline, vein dolomite; some light-brown sandstone
281-291	" clay and white chert
291-301	Dolomite - medium-gray, fine-grained, crystalline; some light-brown sandstone, clay and white chert
301-311	" with much weathered, argillaceous, iron-oxide-stained dolomite and sandstone
311-321	" "
321-331	" " small geodes
331-341	" "
341-351	" "
351-361	" "
361-371	Dolomite - medium-gray, fine-grained, crystalline

371-381	Dolomite - medium-gray, fine-grained, crystalline, white chert
381-391	Dolomite - medium-gray, fine-grained, crystalline
391-401	"
401-411	"
411-421	" white chert
421-431	" "
431-441	" "
441-451	"
451-461	" minor sandstone
461-471	" white chert
471-481	" chert and iron-oxide-stained argillaceous dolomite
481-491	" "
491-501	"
501-511	" with iron-oxide stains
511-521	" iron-oxide-stained, argillaceous material
521-531	" "
531-541	" "
541-551	" minor sandstone
551-561	" iron-oxide-stained, argillaceous material
561-571	" " some white chert

571-581	Dolomite - medium-gray, fine-grained, crystalline; some light olive-gray dolomite; some moderate-yellowish-brown, weathered, argillaceous material; some quartz nodules
581-591	Dolomite - medium-gray, fine-grained, crystalline; some light-olive-gray dolomite
591-601	" some moderate-yellowish-brown argillaceous material and white chert
601-611	" quartz nodules
611-621	" some vein dolomite
621-631	" some moderate-yellowish-brown, argillaceous material and quartz nodules
631-641	" "
641-651	" "
651-661	Dolomite - grayish-black, medium-grained, crystalline; some moderate yellowish-brown argillaceous material
661-671	" quartz nodules
671-681	" "
681-691	" "
691-701	Dolomite - light-olive-gray, fine-grained, crystalline; some medium-gray dolomite

GEOLOGIC SUMMARY

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

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

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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: Sealtest Foods - Div. of Nat'l Dairy Pro., Corp. Mailing Address: Box 19758 - Charlotte, NC

TENANT: Sealtest Foods Plant Mailing Address: Christiansburg, VA

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

WELL LOCATION: County Montgomery Approx. 500 ~~feet~~ <sup>feet</sup> east (direction) of North City  
Route 11 and 460 and at \*\*\* ~~feet~~ <sup>feet</sup> limits (direction) of Christiansburg

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

DATE STARTED: July 24, 1967 DATE COMPLETED: September 12, 1967

TYPE OF DRILL RIG USED: Rotary No. 67 TOTAL DEPTH 701 feet

WATER LEVEL: Stands 32 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Turbine  
Drawdown \_\_\_\_\_ feet  
Rate 100 gal. per min.  
Duration 12 hrs., \_\_\_\_\_ min.

HOLE SIZE: 15 inches from 0 to 38 feet  
12 inches from 38 to 100 feet  
8 inches from 100 to 455 feet  
6 1/2 inches from 455 to 701 feet

WATER ZONES: from 574 to 575 feet  
from 594 to 594 1/2 feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

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

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_  
Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

CASE SIZE: 12 inches from 0+2 to 38 feet  
8 inches from 0+2 to 100 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

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

GROUTING: Method \_\_\_\_\_  
Material cement/water Depth 100 feet

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

PUMP: Type \_\_\_\_\_  
Capacity \_\_\_\_\_ gal. per min.

DRILL CUTTINGS SAVED: Yes X No \_\_\_\_\_

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

(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: October 11, 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	2	top soil	
2	10	red clay	
10	56	Limestone - soft - broken formation	open 15' - 25'
56	134	Blue limestone	
134	136	Mud seam	
136	389	Blue limestone	
389	392	Soft place	
392	474	Blue limestone	
474	574	Blue limestone	
574	575	Soft streak	water
575	594	Blue limestone	
594	594 1/2	Soft streak	water
594 1/2	626	Brown limestone	
626	656	Blue limestone	
656	701	Brown limestone	

(Use additional forms if necessary)

INTERVAL SHEET

WWCR: 86

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VDMR Well No: 2040

Date rec'd: 11/15/67

Sample Interval: from 0' to: 701'

PROP: Sealtest Food Corp.,  
National Dairy Products Div.

Number of samples: 70

COMP: Sydnor Hydrodynamics

Total Depth: 701'

COUNTY: Montgomery (Christiansburg)

Oil or Gas: Water:  Exploratory:

From-To	From-To	From-To	From-To
0 - 10	291 - 301	591 - 601	-
10 - 20	301 - 311	601 - 611	-
20 - 30	311 - 321	611 - 621	-
30 - 40	321 - 331	621 - 631	-
40 - 50	331 - 341	631 - 641	-
50 - 60	341 - 351	641 - 651	-
60 - 70	351 - 361	651 - 661	-
70 - 80	361 - 371	661 - 671	-
80 - 90	371 - 381	671 - 681	-
90 - 100	381 - 391	681 - 691	-
100 - 110	391 - 401	691 - 701	-
110 - 120	401 - 411	-	-
-	411 - 421	-	-
121 - 131	421 - 431	-	-
131 - 141	431 - 441	-	-
141 - 151	441 - 451	-	-
151 - 161	451 - 461	-	-
161 - 171	461 - 471	-	-
171 - 181	471 - 481	-	-
181 - 191	481 - 491	-	-
191 - 201	491 - 501	-	-
201 - 211	501 - 511	-	-
211 - 221	511 - 521	-	-
221 - 231	521 - 531	-	-
231 - 241	531 - 541	-	-
241 - 251	541 - 551	-	-
251 - 261	551 - 561	-	-
261 - 271	561 - 571	-	-
271 - 281	571 - 581	-	-
281 - 291	581 - 591	-	-