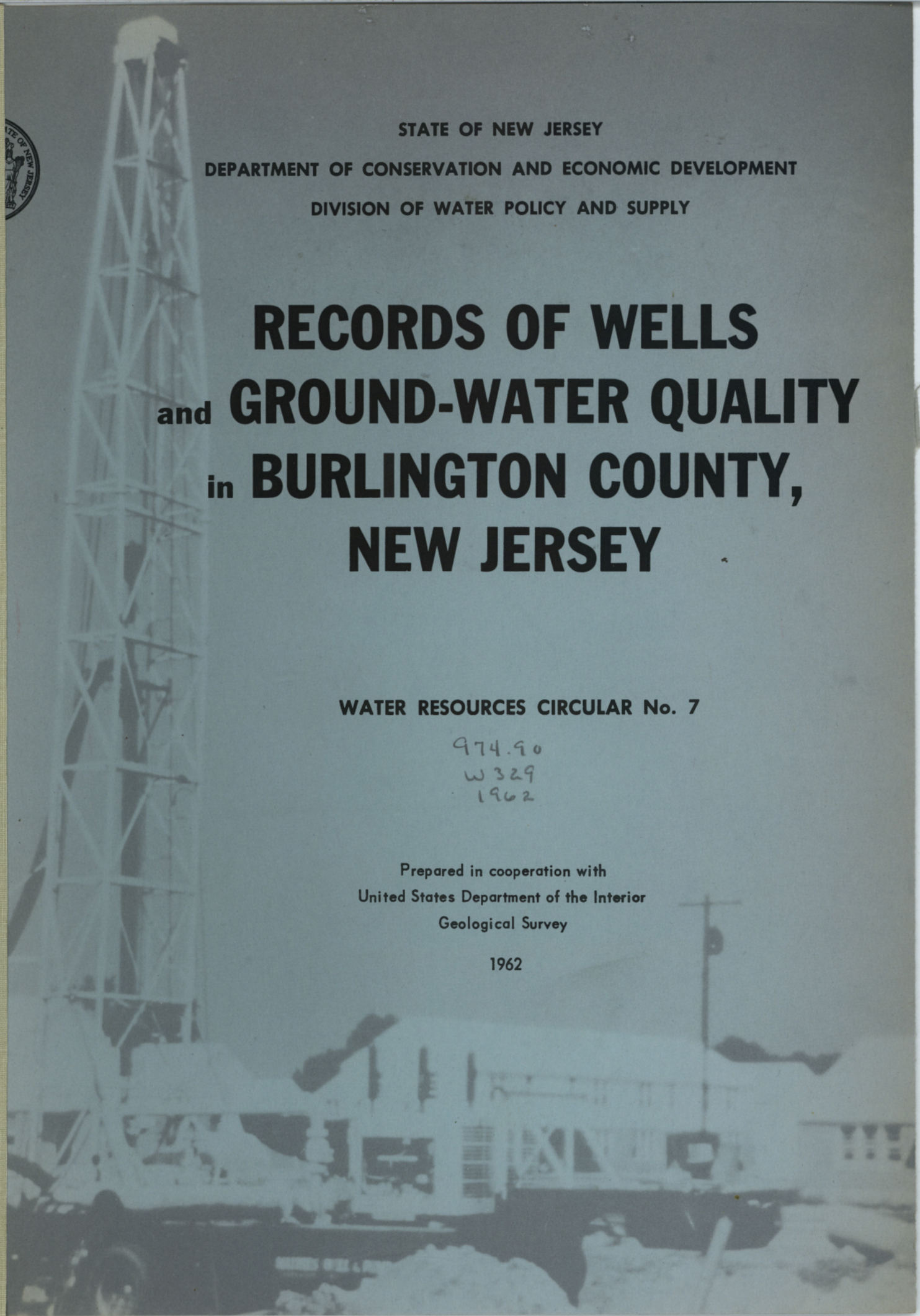
RUSH, F. EUGENE

Records of wells and ground-water quality in Burlington County, New Jersey.

1962.

COPY NO. 2

974.90
W329
1962



STATE OF NEW JERSEY

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

DIVISION OF WATER POLICY AND SUPPLY

RECORDS OF WELLS and GROUND-WATER QUALITY in BURLINGTON COUNTY, NEW JERSEY

WATER RESOURCES CIRCULAR No. 7

974.90
W329
1962

Prepared in cooperation with
United States Department of the Interior
Geological Survey

1962

RECORDS OF WELLS AND GROUND-WATER QUALITY IN BURLINGTON COUNTY, NEW JERSEY

A Preliminary Report

By

F. Eugene Rush
Geologist
U. S. Geological Survey

974.90
W329
1962 Copy 2

Prepared by the U. S. Geological Survey
in cooperation with the
State of New Jersey

State of New Jersey

Department of Conservation
and Economic Development

H. Mat Adams, Commissioner

Division of Water Policy and Supply

George R. Shanklin, Chief Engineer and Acting Director

Water Policy and Supply Council

Kenneth H. Murray, Chairman . . . . . Tewksbury
William G. Bank . . . . . Colts Neck
I. Ralph Fox . . . . . Rumson
Herman A. Klenner . . . . . Rahway
Thomas J. Mullen . . . . . Oldwick
August C. Schultes . . . . . Woodbury
Lillian M. Schwartz . . . . . Highland Park
David I. Stepacoff . . . . . Perth Amboy
Vinton N. Thompson . . . . . Vincentown

John Wyack, Secretary

CONTENTS

	Page
Abstract	1
Introduction	1
Purpose and scope	1
Location and extent	2
General geology and hydrology	2
Well data	2
Chemical character of water	4
References	5

ILLUSTRATIONS

Figure 1.	Map showing location of selected wells in Burlington County, N. J.	Pocket

TABLES

		Page
Table 1.	Age, thickness, water-bearing character, and lithology of stratigraphic units in Burlington County, N. J.	3
2.	Records of selected wells in Burlington County, N. J.	6
3.	Selected drillers' logs of wells in Burlington County, N. J.	14
4.	Chemical analyses of water from wells in Burlington County, N. J.	103

RECORDS OF WELLS AND GROUND-WATER QUALITY IN BURLINGTON COUNTY, NEW JERSEY

by

F. Eugene Rush

ABSTRACT

This basic-data report is limited to the presentation of selected drillers' logs and their geologic correlations, well data, and chemical analyses of water from wells in Burlington County, N. J. The county lies within the Coastal Plain province; it is underlain by unconsolidated sediments of Quaternary, Tertiary, and Cretaceous age and at greater depth by much older consolidated rocks.

INTRODUCTION

Purpose and Scope

The investigation of the ground-water resources of Burlington County, New Jersey is part of a state-wide program of water-resources studies being carried out by the U. S. Geological Survey in cooperation with the New Jersey Department of Conservation and Economic Development, Division of Water Policy and Supply. The investigation has been under the general supervision of Allen Sinnott, District Geologist.

This basic-data report is limited to the presentation of selected drillers' logs, well data, and chemical analyses of water from wells in Burlington County. Most of the drillers' logs and the well data were obtained from the files of the New Jersey Geological Survey, Bureau of Topography and Geology, Division of Research and Development, Department of Conservation and Economic Development. The information is released at this time in advance of an interpretive report because of its value to prospective ground-water users in Burlington County. The data in this report form, in part, the basis for a comprehensive, interpretive report on the ground-water resources of Burlington County, now in preparation.

Location and Extent

Burlington County is in the southcentral part of New Jersey, extending from the Delaware River on the northwest to Great Bay, an arm of the Atlantic Ocean, on the southeast. The county is bounded by Camden and Atlantic Counties on the southwest and by Mercer, Monmouth, and Ocean Counties on the northeast. (See fig. 1.) Burlington County is the largest county in New Jersey in area, covering 827 square miles. It has a population of 224,499 in the 1960 Federal Census. While the county is principally known for its agriculture, there is considerable manufacturing, particularly along the Delaware River.

GENERAL GEOLOGY AND HYDROLOGY

Burlington County lies within the Coastal Plain province; it is underlain by layers of sand, silt, and clay of Quaternary, Tertiary, and Cretaceous age. The formation names given to these deposits and the basement crystalline rocks are listed in table 1, which gives their age, thickness, and water-bearing character. The important water-bearing formations in the county are the Raritan and Magothy Formations, the Englishtown Formation, the Wenonah Formation and Mount Laurel Sand, and the Kirkwood Formation and Cohansey Sand.

WELL DATA

Descriptions of selected wells are given in table 2. The locations of these wells are shown on figure 1. The drillers' logs in this report have been modified, where necessary, to present a more uniform terminology. The drillers' logs and the author's tentative geologic correlations are given in table 3.

Table 1. – Age, thickness, water-bearing character, and lithology of stratigraphic units in Burlington County, N. J.

System	Series	Formation	Thickness (feet)	Water-bearing character	Description
Quaternary	Pleistocene	Cape May Formation	0-40	Variable	Sand and gravel, local clay
		Pensauken Formation	0-40	Variable	Sand and gravel
Tertiary	Pliocene (?)	Cohansey Sand	0-300	Excellent to fair	Sand, medium to coarse, with local ironstone
	Miocene	Kirkwood Formation	0-200	Excellent to fair	Sand, fine, some clay seams
	Eocene	Manasquan Formation	0-100	Poor	Sand, glauconite, clayey
	Paleocene	Vincentown Formation	0-100	Good to poor	Sand, limy, clayey; glauconite
		Hornerstown Sand	0-60	Poor	Glauconite sand, with green clay matrix
Cretaceous		Red Bank Sand	0-40	Fair	Sand and clay with glauconite sand
		Navesink Formation	0-40	Poor	Glauconite sand, with dark gray clay matrix
		Mount Laurel Sand and Wenonah Formation	0-100	Good to poor	Sand, clayey, some glauconite; silt
		Marshalltown Formation	0-100	Poor	Clay, sandy; glauconite sand
		Englishtown Formation	0-100	Good to poor	Sand and clay
		Woodbury Clay	0-120	Poor	Clay, black, micaceous
		Merchantville Formation	0-80	Poor	Clay, dark gray, glauconite sand
		Magothy Raritan Formations	30-800	Excellent to good	Clay and sand, alternating
Early Paleozoic (?)		Wissahickon Formation		Poor	Schist or gneiss, commonly weathered

CHEMICAL CHARACTER OF WATER

All ground water contains dissolved mineral matter derived from the sediments, rocks, and soils with which the water has been in contact. The amount and kind of dissolved minerals determine the hardness, corrosiveness, scale-forming properties, and other physical-chemical characteristics of the water. The constituents most likely to occur in objectionable concentrations in ground water are silica (SiO_2), calcium (Ca), magnesium (Mg), iron (Fe), manganese (Mn), chloride (Cl), and nitrate (NO_3). In addition, the ground-water properties of importance are dissolved solids, specific electrical conductance, hardness, and pH.

According to Rainwater and Thatcher (1960, p. 141-259), silica in water appears to have little effect on human beings, livestock, fishes, or plants. It is of chief concern to industrial users because it contributes to the formation of hard "boiler scale" on heat-exchange equipment and steam turbine blades. Iron and manganese cause stains on textiles and fixtures if their combined concentration exceeds 0.4 parts per million (ppm); they also cause an unpleasant taste. Chloride is noticeable to the taste at concentrations of above 250 ppm and renders water unpotable at concentrations above 1,000 ppm.

Calcium and magnesium cause most of the hardness of water (Hem, 1959, p. 145). Nitrate, an end product of decomposition of organic matter, when present in concentrations greater than 5 ppm may be indicative of pollution. Water containing more than 44 ppm of nitrate may cause infant cyanosis ("blue-baby disease"), if used in infant-feeding formulas (Maxcy, 1950). The highest concentration of nitrate given on table 4 is 21 ppm, but it generally is less than 1 ppm.

The dissolved-solids content is an index of the total mineralization of the water. Specific conductance is a relative measure of the presence of dissociated ions in solution and thus is also an index of the total mineralization of the water. The specific conductance multiplied by 0.6 to 0.7 gives an approximation of the dissolved-solid content in parts per million.

The property of hardness is difficult to define, in spite of its wide usage (Hem, 1959, p. 145-148). It can be said that hardness represents the soap-consuming power of a water. However, it is commonly expressed in an analysis as an equivalent quantity of calcium carbonate ($CaCO_3$). The degree of acidity or alkalinity of water is denoted by pH, on a scale of 1 to 14. Water having a pH of 7.0 is neutral; a pH of less than 7.0 is acidic, and more than 7.0, alkaline. However, in water chemistry a pH of below 4.5 may indicate free mineral acids, whereas above 4.5 some alkaline ions may be present (Hem, 1959, p. 48). The pH value of water is primarily of concern to industrial users of water. Chemical analyses of water from wells in Burlington County, N. J. are given in table 4.

REFERENCES

Hem, J. D., 1959, Study and interpretation of the chemical characteristics of natural waters: U. S. Geol. Survey Water-Supply Paper 1473, 269 p.

Kummel, Henry B., 1910, Annual report of the State Geologist: New Jersey Geol. Survey Ann. Rept. for 1909, Trenton, N. J., 123 p.

Maxcy, K. F., 1950, Report on the relation of nitrate concentrations in well waters to the occurrence of methemoglobinemia: Nat. Research Council, Bull. Sanitary Eng., p. 265 App. D.

Rainwater, F. H., and Thatcher, L. L., 1960, Methods for collection and analysis of water samples: U. S. Geol. Survey Water-Supply Paper 1454, 301 p.

Richards, Horace G., 1948, Studies on the subsurface geology and paleontology of the Atlantic Coastal Plain: Philadelphia Acad. Nat. Sci. Proc., v. C, p. 39-76.

———1954, A new gastropod and other fossils from the Cretaceous of New Jersey: Notulae Naturae, no. 258, Philadelphia Acad. of Nat. Sci. Proc., 5 p.

Smock, John C., 1893, Annual report of the State Geologist: New Jersey Geol. Survey Ann. Rept. for 1892, Trenton, N. J., 367 p.

———1894, Annual report of the State Geologist: New Jersey Geol. Survey Ann. Rept. for 1893, Trenton, N. J., 457 p.

———1901, Annual report of the State Geologist: New Jersey Geol. Survey Ann. Rept. for 1900, Trenton, N. J., 231 p.

Table 2.--Records of selected wells in Burlington County, N. J.

Well no.: Numbers correspond to those in figure 2 and tables 3 and 4; A. indicates chemical analysis given in table 4, L. indicates driller's log given in table 3.
Water-bearing formation: Pzw, Wissahickon Formation; Kmr, Magothy and Raritan Formation; Ket, Englishtown Formation; Kmw, Mount Laurel Sand and Wenonah Formation; Tvt, Vincentown Formation; Tkw, Kirkwood Formation; Tch, Cohansey Sand; Qcm, Cape May Formation.
Use: CI, commercial and institutional; D, domestic; Ind, industrial; Irr, irrigation; O, observation; PS, public supply; U, unused.

Well no.	Location	Owner or name and number	Driller	Year completed	Altitude of land surface (feet)	Total depth drilled (feet)	Well diameter (inches)	Casing length (feet)	Screen setting (feet)	Water-bearing formation	Static water level below land surface (feet)	Yield (gpm)	Drawdown (feet)	Use	Remarks	Well no.
1	Bordentown	Bordentown Water Dept. No. 1	Layne-New York Co., Inc.	1955	89	441	16 & 8	355	355-385	Kmr	86	572	17	PS		1
2	1/2 mi. E of U.S. Highway 206, at Crosswicks Creek	Bordentown Water Dept. White Horse well field No. A 40		1941	9	80	3	75	(none)	do.	(flowing)	25		PS	Approximately 43 flowing wells in field, all with similar construction, 2", 3" or 4" in diam., with total depths of 75'-80'.	2
3	Burlington	Burlington Water Dept. No. 3	Layne-New York Co., Inc.	1949	9	90	16	64	64-85	Kmr	10	517	48	PS	A., L.	3
4	1 mi. NE of Burlington on Burlington Island	Burlington Water Dept. Test Well No. 2 - Island	Artesian Well Drilling Co.	1952	19	49	6	40	10	Qcm	14	75	8	O	L.	4
5	1 mi. N of Burlington on Burlington Island	Burlington Water Dept. No. 2 - Island	do.	1952	20	49	17	33	33-49	Qcm	18	760	13	PS	Concrete casing and screen. A.	5
6	Columbus	Columbus Water Co. No. 2	William Stothoff Co.	1943	73	260	8	240	240-260	Kmr	60	125	40	PS	A.	6
7	1 mi. N. of Crosswicks	Crosswicks Water Co. No. 1	do.	1959	30	299	8	269	269-299	Kmr	15	500	44	PS	A.	7
8	Beverly	Delaware River Water Co. No.15	A. C. Schultes & Sons	1951	12	59	12	49	47-57	Kmr	18	1200	14	PS	Drilled to bedrock. A.	8
9	Riverside	do. No.17	do.	1955	21	140	12	97	97-118	Kmr	23	483	70	PS	do. L.	9
10	1 mi. SW of Riverside, at Cambridge	do. No.19	do.	1959	25	143	12	91	89-130	Kmr	14	974	59	PS	do L.	10
11	Marlton	Evesham Tp. Water Dept. No. 1	A. G. Dunphay	1897	115	212	6	--	-----	Ket	42	100	36	PS	A., L.	11
12	Marlton	do. No. 3	Layne-New York Co., Inc.	1956	85	512	12 & 8	369	369-389	Kmr	91	517	168	PS	L.	12
13	Florence	Florence Tp. Water Dept. No.3	do.	1949	25	162	16	123	123-138	Kmr	24	620	34	PS	Drilled to bedrock. A., L.	13
14	2 mi. S of Wrightstown	Fort Dix No. 1	Artesian Well Drilling Co.	1941	138	980	20,16,& 10	920	916-960	Kmr	132	800	96	PS	A.	14
15	1 mi. S of Wrightstown	do. No. 2	do.	1941	131	1051	do.	1030	1030-1051	Kmr	123	900	61	PS	A., L.	15
16	3 mi. S of Wrightstown	do. No. 4	Layne-New York Co., Inc.	1943	148	1096	do.	1056	1056-1086	Kmr	140	700	70	PS	A., L.	16
17	3 mi. NE of Browns Mills at Hanover Lake	do. No. 11	William Stothoff Co.	1943	85	485	6	470	470-980	Ket	20	45	193	PS	L.	17
18	1 mi. E of Wrightstown	McGuire Air Force Base - A	A. C. Schultes & Sons	1953	128	1100	24,16,& 10	992	992-1055	Kmr	120	913	63	PS	Drilled to weathered bedrock. A., L.	18
19	2 mi. E of Wrightstown	do. - C	do.	1953	102	1123	do.	1036	1036-1089	Kmr	110	900	45	PS	Drilled to weathered bedrock. A., L.	19
20	2 mi. SE of Wrightstown	do. - D	do.	1953	112	1120	do.	1012	1012-1075	Kmr	110	925	34	PS	Drilled to weathered bedrock. A.	20
21	3 mi. SW of Medford, at Lake Pine	Lakes Water Co. No. 2	J. Henry Robbins	1950	52	200	6	180	(none)	Kmw	20	100	--	PS	A., L.	21
22	Levittown	Levitt and Sons, Inc. No. 2	A. C. Schultes & Sons	1955	29	363	20,16,& 12	225	225-354	Kmr	22	1404	65	U	Screen blanks 246-292 and 315-344. L.	22
	do.	do. No. 3	C. W. Laumen Co., Inc.	1959	28	381	do.	203	203-303	Kmr	25	1530	67	PS	Screen blank 238-283.	23

Table 2.--Records of selected wells in Burlington County, N. J.--Continued

Map no.	Location	Owner or name and number	Driller	Year completed	Altitude of land surface (feet)	Total depth drilled (feet)	Well diameter (inches)	Casing length (feet)	Screen setting (feet)	Water-bearing formation	Static water level below land surface (feet)	Yield (gpm)	Drawdown (feet)	Use	Remarks	Well no.
24		No. 4	A. C. Schultes & Sons	1958	28	284	do.	177	196-279	Kmr	21	1438	88	PS	Screen slank 216-259. A.,L	24
25	do.	do. No. 5	do.	1958	39	269	do.	230	230-256	Kmr	37	1421	144	PS	A., L.	25
26	do.	do. No. 7	C. W. Lauman Co., Inc.	1958	19	306	do.	179	179-255	Kmr	17	1421	56	PS	A., L.	26
27	do.	do. No. 12	A. C. Schultes & Sons	1955	40	526	---	(none)	(none)	---	--	---	--	U	Abandoned. Drilled as a test hole. L.	27
28	3 mi. S of Mount Holly, at Lumberton	Lumberton Light, Water and Sewage Co. No. 1	Artesian Well Drilling Co.	1928	10	404	10,8,& 6	360	360-401	Kmr	22	100	--	PS	A., L.	28
29	Maple Shade	Maple Shade Tp. Water Dept.	Uriah White	1893	55	375	---	--	-----	Kmr	--	---	--	PS	Abandoned. L.	29
30	do.	do. No. 4	Artesian Well Drilling Co.	1955	10	282	20 & 12	211	211-272	Kmr	19	1020	42	PS	L.	30
31	Medford	Medford Water Co. No. 3	Layne-New York Co., Inc.	1957	48	590	12 & 8	506	506-536	Kmr	48	517	86	PS	L.	31
32	Moorestown	Moorestown Tp. Water Dept. No. 1	do.	1923	20	497	12,8,& 6	350	350-372	Kmr	28	450	114	PS	Drilled to bedrock. A.,L.	32
33	Mount Holly	Mount Holly Water Co. No. 3	Layne-New York Co., Inc.	1953	11	380	16 & 10	316	316-346	Kmr	64	1200	132	PS	A.	33
34	do.	Mount Holly Water Co.	Thomas B. Harper	1900	20	562	8	---	---	Kmr	--	---	---	PS	Abandoned. L.	34
35	Pemberton	Pemberton Water Dept. No. 1	A. L. Lyons	1939	80	206	12 & 8	155	155-185	Kmw	30	168	51	PS	A., L.	35
36	Browns Mills	Pemberton Tp. Water Dept. No. 2	Charles Bainbridge	1947	63	282	8	257	(none)	Kmw	18	187	27	PS	A.	36
37	do.	do. No. 3	Thomas Magee	1955	112	303	8	277	277-303	Kmw	47	250	51	PS	L.	37
38	do.	do. No. 4	Layne-New York Co., Inc.	1960	93	402	12 & 8	294	294-334	Kmw	60	500	141	PS	A., L.	38
39	4 mi. W of Mount Holly at Rancocas Woods	Rancocas Woods Water Co. No. 1	Charles L. Mollitor, Inc.	1954	50	248	6	237	237-248	Kmr	50	150	5	PS	L.	39
40	Palmyra	Riverton-Palmyra Water Co. No. 8	A. C. Schultes & Sons	1955	13	100	16	64	64-84	Kmr	26	503	32	PS	Drilled to weathered bedrock. A., L.	40
41	1 mi. E of Pemberton at Sunbury Village	Sunbury Village Water Co, No. 1	William Stothoff Co.	1953	62	198	8	178	178-198	Kmw	17	252	119	PS	A.	41
42	2 mi. SE of Bordentown	Norman F. Scattergood	Theodore Ziegenfuss	1952	72	362	6	348	348-359	Kmr	60	60	40	D	Farm use also. L.	42
43	1 mi. E of Bordentown	Mrs. Helen Swayne	William L. Bainbridge	1952	92	279	6	274	274-279	Kmr	68	15	---	D		43
44	1 mi. S of Bordentown on U.S. Hwy. 130	National Guard Shops	Louis Bainbridge	1952	83	230	6	---	---	Kmr	—		---	CI	L.	44
45	2 mi. NE of Burlington	Hercules Powder Co. No. 1	Layne-New York Co., Inc.	1946	22	146	10	105	105-135	Kmr	10	520	21	CI	Drilled to bedrock. A.,L.	45
46	do.	do. No. 1-test	do.	1945	13	132	3	94	94-104	Kmr	5	---	---	O	Drilled to bedrock.	46
47	do.	do. No. 3-test	do.	1945	16	121	3	94	94-104	Kmr	14	---	---	O	do. A.	47
48	2 mi. SW of Burlington on U.S. Hwy. 130	Edgar B. Heisler	Charles L. Mollitor, Inc.	1958	30	215	10	185	185-215	Kmr	33	600	82	Irr	L.	48
49	1 mi. SW of Burlington on U.S. Hwy. 130	Carroll Murphy	do.	1950	35	83	8	64	64-82	Kmr	15	250	45	Irr	L.	49
50	2 mi. SE of Burlington	Masonic Home	American Well Drilling Co.	1921	79	395	8	174	174-194	Kmr	65	150	45	U	A., L.	50
51	3 mi. E of Burlington	William Donald	Charles L. Mollitor, Inc.	1955	42	111	10	72	72-106	Kmr	26	275	14	Irr	L.	51
52	3 mi. SE of Burlington on Oxmead Rd.	Russell H. Deacon	W. R. Clair	1958	62	208	4	203	203-208	Kmr	62	30	---	D		52
53	3 mi. SE of Burlington	Roy F. Main	E. Weik	1959	67	215	4	207	207-215	Kmr	60	30	5	D		53
54	3 mi. SE of Burlington on Oxmead Rd.	Cherry Hill Inn Farm No. 1	Charles L. Mollitor, Inc.	1950	72	208	6	199	199-206	Kmr	82	10	36	D	Farm use also. L.	54
55	2 mi. SW of Burlington	Frank Pino	Edward Robbins	1950	63	228	8 & 6	208	208-228	Kmr	60	300	30	Irr	Pump capacity is 400 gpm. L.	55

Table 2.--Records of selected wells in Burlington County, N. J.--Continued

Well no.	Location	Owner or name and number	Driller	Year completed	Altitude of land surface (feet)	Total depth drilled (feet)	Well diameter (inches)	Casing length (feet)	Screen setting (feet)	Water-bearing formation	Static water level below land surface (feet)	Yield (gpm)	Drawdown (feet)	Use	Remarks	Well no.
56	1 mi. SW of Florence	National Gypsum Co. No. 2	Layne-New York Co., Inc.	1955	22	157	12 & 8	113	113-123	Kmr	21	183	21	Ind	Drilled to bedrock. L.	56
57	2 mi. SW of Burlington on U.S. Hwy. 130	Mechanics National Bank No. 2	Charles L. Mollitor, Inc.	1958	35	209	4	189	189-209	Kmr	30	180	27	CI	Air conditioning recharge well.	57
58	1 mi. S of Burlington	Charles Heal, Jr.	do.	1955	50	80	8	59	59-80	Kmr	36	400	50	Irr	Water pumped into irrigation pond. L.	58
59	2 mi. SW of Burlington	Anthony Cannuli	Edward Robbins	1950	66	173	6	153	153-173	Kmr	55	200	30	Irr	Water pumped into irrigation pond.	59
60	2 mi. SW of Burlington on U.S. Hwy. 130	Albert Heisler	do.	1950	46	252	8	212	212-252	Kmr	41	500	42	Irr	Pump capacity is 500 gpm.	60
61	11 mi. S of Chatsworth, at Harrisville	Harrisville well	--	1866	15	375	8	---	---	Tkw	(flowing)	---	---	U	Well is still flowing. A., L.	61
62	2 mi. NE of Bordentown	N.J. State Reformatory No. 4	Layne-New York Co., Inc.	1951	97	454	12 & 8	357	357-387	Kmr	86	503	36	U	A., L.	62
63	4 mi. SE of Bordentown, at Chesterfield	H. W. Briel	Howard Farmer	1959	93	272	4	266	266-272	Kmr	72	50	10	D		63
64	1 mi. SW of Chesterfield, on Whitepine Rd.	Ralph J. DeMarco	Louis Bainbridge	1958	82	393	4	388	388-392	Kmr	75	4	45	D		64
65	3 mi. SE of Bordentown, on Old York Rd.	Ernest Liptak	Greenhalgh & Kaye	1957	114	214	4	208	208-214	Kmr	100	10	20	D		65
66	2 mi. N of Wrightstown	Jacob Dana Packing Co. No. 3	do.	1958	208	276	6	255	255-276	Ket	100	60	80	CI	L.	66
67	7 mi. N of Wrightstown, on Ellisdale Rd.	Francis D. Gray	Louis Bainbridge	1960	92	329	6	319	319-325	Kmr	75	40	5	D	Used for swimming pool also. A., L.	67
68	8 mi. N of Wrightstown, on Ellisdale Rd.	John Marincas	Greenhalgh & Kaye	1954	97	208	6	204	204-208	Kmr	80	25	69	D	L.	68
69	4 mi. N of Wrightstown	Joseph S. Kucowski	do.	1957	104	149	6	143	143-149	Ket	38	10	7	D		69
70	2 mi. NE of Riverton	Hoeganaes Sponge Iron Co.	Layne-New York Co., Inc.	1951	35	136	8	119	119-134	Kmr	16	326	68	CI	Pump capacity is 50 gpm. L.	70
71	3 mi. NE of Mount Holly, on State Route 537	Eastampton School	Charles L. Mollitor, Inc.	1957	73	417	--	407	407-417	Kmr	70	75	30	U	L.	71
72	1 mi. NE of Mount Holly, on North Pemberton Rd.	J. A. Methvin	do.	1953	39	364	6	352	352-363	Kmr	63	30	15	D	L.	72
73	1 mi. NW of Marlton, on Cropwell Rd.	Byron T. Roberts Farms Inc. No. 2	A. C. Schultes & Sons	1957	93	406	18 & 8	322	322-375	Kmr	100	750	80	Irr	Screen blank 348-359. A., L.	73
74	1 mi. W of Marlton, on Old Marlton Pike	David D. Griscom	J. Henry Robbins	1952	92	340	4	320	320-340	Kmr	100	40	---	D	L.	74
75	2 mi. SE of Marlton	U.S. Army Nike Base, control area well	Edward Robbins, Sr.	1954	84	158	8	138	138-158	Kmr	41	200	43	U		75
76	1 mi. SE of Beverly, on U.S. Highway 130	Earl R. Blyler	Charles L. Mollitor, Inc.	1950	39	117	10	90	90-114	Kmr	14	575	19	Irr	L.	76
77	1 mi. SE of Beverly, on Cooper St.	John W. Heal	do.	1951	36	135	10	107	107-135	Kmr	18	500	89	Irr	A.	77
78	1 mi. SW of Beverly, at Cambridge	Amico Sand and Gravel Co.	do.	1957	15	75	6	27	27-37	Kmr	7	120	11	CI	L.	78
79	1 mi. S of Riverside, on U.S. Hwy 130	Hillside Farms No. 3	A. C. Schultes & Sons	1956	20	112	12	90	90-106	Kmr	6	444	68	CI		79
80	1 mi. SE of Riverside, on U.S. Hwy 130	Holy Cross High School	Charles L. Mollitor, Inc.	1958	82	174	10	154	154-174	Kmr	55	185	20	Irr	L.	80
81	1 mi. E of Riverside, on U.S. Hwy 130	Holiday Lake	do.	1958	25	198	8	188	188-198	Kmr	15	180	---	CI	L.	81

Table 2.--Records of selected wells in Burlington County, N. J.--Continued

Well no.	Location	Owner or name and number	Driller	Year completed	Altitude of land surface (feet)	Total depth drilled (feet)	Well diameter (inches)	Casing length (feet)	Screen setting (feet)	Water-bearing formation	Static water level below land surface (feet)	Yield (gpm)	Drawdown (feet)	Use	Remarks	Well no.
82	3 mi. W of Mount Holly	Alfred Thomas	Artesian Well Drilling Co.	1954	34	75	4	70	70-74	Ket	31	4	19	D		82
83	4 mi. SW of Mount Holly	Fred Worth	Edward Robbins, Sr.	1949	30	317	8	277	277-297	Kmr	23	200	97	Irr	Pump capacity is 200 gpm.	83
84	3 mi. NE of Medford	Charles H. Clark	Charles L. Mollitor, Inc.	1956	51	191	4	184	184-190	Ket	25	35	20	D		84
85	Mount Holly	Plasticon Corp.	do.	1955	45	107	6	97	97-107	Ket	40	75	5	CI		85
86	3 mi. E. of Burlington	John and Nick Cannuli	do.	1955	41	93	10	72	72-92	Kmr	29	250	30	Irr	Pump capacity is 500 gpm.	86
87	do.	James Workman	Edward Robbins, Sr.	1952	41	194	10	174	174-194	Kmr	52	800	32	Irr	do.	87
88	3 mi. NW of Wrightstown on State Route 545	John H. Cook	Charles L. Mollitor, Inc.	1950	115	148	6	136	136-148	Ket	36	50	4	D	Water temperature is 54°F. L.	88
89	2 mi. S of Bordentown on U.S. Hwy 206	Turnpike Junction Ind. Park	A. C. Schultes & Sons	1958	60	340	10	293	293-329	Kmr	55	402	31	U	Screen blank 307-318. Undeveloped industrial park. A., L.	89
90	4 mi. S of Bordentown	Franklin Tallman	Charles L. Mollitor, Inc.	1949	82	195	6	184	184-195	Kmr	75	38	5	D	Farm use also. L.	90
91	3 mi. S of Bordentown	Ed Phares	Louis Bainbirdge	1949	92	505	6	364	364-370	Kmr	125	---	—	D	Farm use also. Pump capacity is 20 gpm. L.	91
92	do.	George H. Preidel	Edward Robbins, Sr.	1952	102	215	6	205	205-215	Kmr	100	50	5	D	Farm use also.	92
93	do.	M. P. Woodward	W. R. Clair	-----	72	239	3	234	234-239	Kmr	54	20	--	D		93
94	4 mi. SE of Bordentown	North Burlington Co. Regional Jr.-Sr. High School	Russell D'Agostino	1959	83	350	8 & 6	290	290-310	Kmr	85	200	35	CI	Water contains iron. L.	94
95	6 mi. E of Burlington	Ralph R. Parker	W. R. Clair	1959	62	380	4	370	370-380	Kmr	50	50	5	D	Farm use also. L.	95
96	5 mi. E of Burlington	Franklin Wainwright	do.	-----	62	209	3	204	204-209	Kmr	42	20	—	D		96
97	1 mi. N of Medford on Church Rd.	Peter Martin	John S. Wrobel	1949	62	126	3	123	123-126	Kmw	21	10	2	D	A., L.	97
98	2 mi. NW of Medford on Church Rd.	William E. Johnson, Jr.	Charles L. Mollitor, Inc.	1950	79	440	8 & 6	420	420-440	Kmr	65	200	45	Irr	L.	98
99	1 mi. S of Medford Lakes on Tuckerton Rd.	George Aaron	J. Henry Robbins	1952	116	340	4	320	(none)	Kmw	50	50	—	D	L.	99
100	3 mi. SW of Medford Lakes, at Centennial Lake	William G. Freeman	do.	1955	65	275	4	260	(none)	Kmw	20	40	—	D	L.	100
101	2 mi. W of Medford Lakes, at Taunton Lake	Robert M. Dickson	do.	1951	66	242	4	222	(none)	Kmw	20	100	—	D		101
102	1 mi SE of Maple Shade on State Hwy. 73	Albert E. Crisp	Haines and Moore	1951	62	197	4	190	190-196	Kmr	58	20	5	D	Water temperature is 56°F. Water contains iron. L.	102
103	State Highway 38, Maple Shade	Savar Corporation	Charles L. Mollitor, Inc.	1955	62	166	6	155	155-166	Kmr	65	120	10	CI	Water used at a drive-in theater.	103
104	3 mi. E of Moorestown, on Marne Hwy.	William Haines, Jr.	Thomas C. Magee, Jr.	1954	52	55	4	47	47-53	Ket	21	10	10	D	A., L.	104
105	2 mi. SE of Moorestown	Roy W. Conrow	J. Henry Robbins	1952	37	205	6	195	195-205	Kmr	60	50	--	D	Water temperature is 56°F. L.	105
106	2 mi. E of Moorestown, on Union Mill Rd.	John McNicholas	Charles L. Mollitor, Inc.	1955	30	190	4	184	184-190	Kmr	22	15	3	D		106
107	3 mi. E of Moorestown, on Hartford Rd.	Thomas P. McGinnis	J. Henry Robbins	1952	46	276	4	256	256-276	Kmr	50	50	—	D	L.	107

Table 2.--Records of selected wells in Burlington County, N. J.—Continued

Well no.	Location	Owner or name and number	Driller	Year completed	Altitude of land surface (feet)	Total depth drilled (feet)	Well diameter (inches)	Casing length (feet)	Screen setting (feet)	Water-bearing formation	Static water level below land surface (feet)	Yield (gpm)	Drawdown (feet)	Use	Remarks	Well no.
108	3 mi. E of Moorestown	Dominic Tuscano	Gus Hauser	1954	28	196	3	182	182-192	Kmr	48	8	—	D	Water temperature is 58°F. L.	108
109	do. on New Jersey Turnpike	New Jersey Turnpike	do.	1951	50	230	8	192	192-222	Kmr	48	970	140	CI	Used for air conditioning also.	109
110	4 mi. E of Moorestown	J. S. Coverly	Charles L. Mollitor, Inc.	1954	32	250	4	244	244-250	Kmr	30	50	10	D		110
111	3 mi. NW of Medford, on Hartford Rd.	Eva Diamond	John S. Wrobel	1951	73	202	4	190	190-200	Ket	48	10	6	D	L.	111
112	4 mi. SE of Moorestown, on Hartford Rd.	Anthony Palumbo	J. Henry Robbins	1949	66	348	4	328	328-348	Kmr	60	50	---	D		112
113	4 mi. SE of Moorestown	Samuel Dickter	Charles L. Mollitor, Inc.	1957	50	300	4	292	292-300	Kmr	60	40	5	D	L.	113
114	do.	Gertrude Freeman	do.	1953	38	262	4	256	256-262	Kmr	33	15	8	D		114
115	4 mi. W of Mount Holly, at Rancocos Woods	Walter H. Kopp	do.	1952	43	237	6	227	227-237	Kmr	41	20	46	D		115
116	2 mi. SE of Maple Shade, on Church Rd.	Charles J. Ruhle	J. Henry Robbins	1951	57	240	4	230	230-240	Kmr	60	50	—	D	L.	116
117	2 mi. SE of Maple Shade, on State Highway 73	Felix Oliveto	Charles L. Mollitor, Inc.	1953	63	223	4	216	216-223	Kmr	55	60	10	D	L.	117
118	do.	Ralph Vasturo	J. Henry Robbins	1950	68	119	6	100	(none)	Ket	25	10	—	D	A.	118
119	3 mi. E. of Moorestown, on Hartford Rd.	John D. Hallet	Charles L. Mollitor, Inc.	1956	32	244	4	238	238-244	Kmr	35	30	20	D		119
120	3 mi. E of Moorestown, at Masonville	William Breur	do.	1958	78	272	4	266	266-272	Kmr	90	40	10	D	L.	120
121	2 mi. NW of Marlton, on State Hwy 73	W. R. Fought	do.	1953	85	284	4	276	276-281	Kmr	89	15	10	D		121
122	2 mi. NE of Marlton	Joseph E. Rudderow	do.	1954	48	457	8 & 6	441	441-457	Kmr	56	450	125	Irr	Pump capacity is 450 gpm. L.	122
123	3 mi. NE of Marlton	do.	William C. Barr	before 1898	82	306	3	----	-----	----	50	—	—	D	Mrs. Samuel Shreeve was the owner at the time the well was drilled.	123
124	do.	Walter E. Cotter, Jr.	Edward Robbins, Sr.	1955	77	384	4	379	379-384	Kmr	70	60	10	D	A.	124
125	4 mi. SE of Moorestown, on Hartford Rd.	Saul Grossman	Charles L. Mollitor	1951	40	105	4	98	98-105	Ket	22	10	18	D	A.	125
126	New Albany Rd., Moorestown	Pittsburgh Plate Glass Co.	Layne-New York Co., Inc.	1947	65	318	16 & 10	263	263-283	Kmr	65	517	94	Ind	A., L.	126
127	Mount Holly	Hollyford Ice & Cold Storage No. 1	do.	1946	10	500	10	470	470-500	Kmr	4	350	29	CI		127
128	do.	Dunlap's Carpet Works	C. G. Orcutt	before 1893	12	675	----	----	-----	----	—	—	—	U	Well is abandoned. L.	128
129	do.	Acme Market	Charles L. Mollitor, Inc.	1956	62	467	8	456	456-467	Kmr	75	125	10	CI	Well deepened to 546' in 1960. New screen setting is 520-545'. Used for air conditioning. L.	129
130	4 mi. NE of Wrightstown, at Jacobstown	Jacobstown Baptist Church	Andrew White	1951	175	140	4	136	136-140	Kmr	50	15	—	CI	L.	130

Table 2.--Records of selected wells in Burlington County, N. J.--Continued

Well no.	Location	Owner or name and number	Driller	Year completed	Altitude of land surface (feet)	Total depth drilled (feet)	Well diameter (inches)	Casing length (feet)	Screen setting (feet)	Water-bearing formation	Static water level below land surface (feet)	Yield (gpm)	Drawdown (feet)	Use	Remarks	Well no.
131	4 mi. NE of Wrightstown, at Ocean Co. line.	Jersey Central Power & Light Co.	Greenhalgh & Kaye	1956	88	121	6	110	110-121	Kmw	3	30	105	CI	A., L.	131
132	5 mi. N of Wrightstown	Edward H. Gancars	do.	1954	121	157	4	148	148-152	Ket	35	10	17	D	L.	132
133	6 mi. N of Wrightstown	Stanley Horner, Jr.	do.	1958	118	154	4	151	151-154	Ket	40	15	25	D		133
134	Wrightstown	Spartan Village, Inc.	Louis Bainbridge and Charles L. Mollitor, Inc.	1955	154	395	6	128	128-150	Kmw	26	40	19	U	L.	134
135	5 mi. N of Wrightstown	John Giberson	Greenhalgh & Kaye	1956	140	135	4	---	(none)	Kmw	42	10	13	D		135
136	Riverside	B. F. Goodrich Co. No. 2	Artesian Well Drilling Co.	1951	34	162	10	95	95-120	Kmr	24	458	19	Ind	A., L.	136
137	1 mi. SW of Riverside, at Cambridge	Dredge Harbor Yacht Basin	Charles L. Mollitor, Inc.	1947	10	80	--	76	(none)	Pzw	--	25	--	CI		137
138	Riverside	Riverside-Alloy Metal Co.	Ridpath & Potter	1938	18	800	6	120	(none)	Pzw	--	--	--	Ind	L.	138
139	do.	Riverside Industrial Center	Charles L. Mollitor, Inc.	1952	18	80	8	54	54-67	Kmr	12	250	28	Ind	Water temperature reported as 49°F(?)	139
140	1 mi. NW of Browns Mills	Jane Tabone	do.	1954	130	140	4	134	134-140	Tvt	38	10	8	CI	L.	140
141	2 mi. S of Pemberton	A. F. Brunt	do.	1955	83	210	4	204	204-210	Kmw	45	15	--	D	L.	141
142	1 mi. S of Pemberton	Clarence Adams	J. Henry Robbins	1949	72	195	4	175	(none)	Kmw	25	6	--	D	Farm use also.	142
143	Browns Mills	Mr. Reilley	Ridpath & Potter	before 1910	70-80	430	6	---	---	Ket	(flowing)	48	--	-	Pumped at a rate of 225 gpm also. L.	143
144	2 mi. E of Browns Mills, on Ridge Rd.	Joseph O'Neill	A. C. Schultes and Sons	1949	91	337	6	322	322-337	Kmw	29	110	27	D	L.	144
145	2 mi. SE of Browns Mills, at Country Lakes	Country Lakes, Inc.	Charles L. Mollitor, Inc.	1959	82	345	4	329	329-345	Kmw	23	80	10	PS	L.	145
146	2 mi. SE of Pemberton	Harvey Gower	Edward Robbins, Sr.	1949	68	250	6	250	(none)	Kmw	14	150	86	Irr		146
147	1 mi. E of Pemberton, on State Rte 530	John W. Goodman	Harvey Beebe, Sr.	1951	73	231	2	140	(none)	Kmw	15	30	—	D		147
148	4 mi. W of Wrightstown	Helis Stock Farm	Wm. Blaisdell & Orcutt Bros.	before 1893	approx. 70	715	-	---	---	Kmr	--	--	--	U	Abandoned. Formerly called Lorillard well. L.	148
149	4 mi. W of Wrightstown, at Jobstown	Kauffman & Minteer, Inc.	Charles L. Mollitor, Inc.	1960	74	107	6	95	95-105	Ket	14	60	4	CI	A., L.	149
150	3 mi. SW of Wrightstown, at Juliustown	Milton L. Havens, Sr.	Gus Hauser	1953	115	137	4	117	(none)	Kmw	20	110	2	D	Water temperature is 56°F.	150
151	3 mi. SW of Wrightstown	Helis Stock Farm	Ridpath & Potter	1928	96	988	12 & 8	757	757-800	Kmr	—	120	4	O	Water contains iron. Formerly called Walker-Gordon Dairy well. L.	151
152	3 mi. N of Mount Holly	Ridge Stables	Charles L. Mollitor, Inc.	1957	41	230	6	220	220-230	Kmr	45	100	65	D	Farm use also. L.	152
153	2 mi. NW of Wrightstown	Frank J. Ondrushek, Sr.	Greenhalgh & Kaye	1958	182	256	4	253	253-256	Ket	96	15	30	D		153
154	5 mi. NE of Mount Holly, on U.S. Highway 206	Tallman Brothers, Inc.	J. Henry Robbins	1956	42	260	8 & 6	240	240-260	Kmr	60	40	—	CI		154
155	do.	do.	W. R. Clair	1952	42	52	2	47	47-52	Ket	6	10	4	CI	L.	155

Table 2.--Records of selected wells in Burlington County, N. J.--Continued

Well no.	Location	Owner or name and number	Driller	Year completed	Altitude of land surface (feet)	Total depth drilled (feet)	Well diameter (inches)	Casing length (feet)	Screen setting (feet)	Water-bearing formation	Static water level below land surface (feet)	Yield (gpm)	Drawdown (feet)	Use	Remarks	Well no.
156	5 mi. SE of Mount Holly, at Vincentown	Calvin G. Smith	Harvey Beebe, Sr.	1949	37	271	2	171	(none)	Kmw	7	35	9	D		156
157	6 mi. SE of Mount Holly, on U.S. Hwy. 206	Ross Monroe	do.	1949	46	248	2	157	(none)	Kmw	11	25	—	D	L.	157
158	5 mi. NE of Medford Lakes, at Hampton Lakes	Hampton Lake Development Co.	Charles L. Mollitor, Inc.	1956	49	268	10	247	247-268	Kmw	6	300	43	PS	A., L.	158
159	3 mi. W of Pemberton, on Highways 38 and 206	Vincentown Diner	Edward Robbins, Sr.	1953	72	250	4	240	(none)	Ket	45	100	15	CI	L.	159
160	5 mi. NW of Chatsworth, on State Highway 72	Frank Mayo	Greenhalgh & Kaye	1953	140	69	4	65	65-69	Toh	37	15	9	CI	L.	160
161	3 mi. N of Mount Holly	Ronald Smith	J. W. Jenkins and Sons	1960	78	208	4	202	202-208	Kmr	90	25	60	D		161
162	2 mi. N of Mount Holly, on Oxmead Rd.	A. Marone	Charles L. Mollitor, Inc.	1956	40	265	6	254	254-265	Kmr	40	150	5	D	Supplies water to two houses. L.	162
163	3 mi. N of Mount Holly	Clifford Senner	do.	1955	104	248	6	238	238-248	Kmr	96	30	14	D		163
164	3 mi. W of Mount Holly	Walter Jessup	do.	1950	80	241	4	234	234-241	Kmr	90	4	50	D	Water temp. is 54°F.	164
165	do.	Alexander Construction Co.	do.	1955	57	215	6	204	204-214	Kmr	60	50	20	U	Abandoned. L.	165
166	3 mi. NW of Mount Holly, on Woodlane Rd.	John S. Pew	do.	1957	79	228	4	222	222-228	Kmr	60	20	10	D	L.	166
167	3 mi. S of Burlington	Eugene D. Buzzeli	do.	1956	45	211	4	204	204-210	Kmr	48	20	6	D		167
168	2 mi. N of Mount Holly, on Burr Rd.	Burlington Co. Country Club	Edward Robbins, Sr.	1950	102	309	8 & 6	269	269-309	Kmr	100	400	20	Irr	Supplies water to the clubhouse also. A.	168
169	1 mi. E of Mount Holly, on Powell Rd.	John W. Hampton	Charles L. Mollitor, Inc.	1955	55	160	4	154	154-160	Ket	27	45	18	D	L.	169
170	2 mi. E of Mount Holly, on Powell Rd.	Donald C. Foote	do.	1954	52	160	4	154	154-160	Ket	15	15	7	D		170
171	2 mi. W of Pemberton, at Birmingham	Ionac Chemical Co.	A. C. Schultes & Sons	1960	30	921	12	490	490-521	Kmr	39	1001	104	Ind	A., L.	171
172	2 mi. E of Pemberton, on State Route 530	Burlington Co. Institution No.1	Layne-New York Co., Inc.	1931	59	776	12 & 3	353	353-381	Ket	42	—	--	CI	A., L.	172
173	4 mi. N of Medford	Lester Jones	Charles L. Mollitor, Inc.	1953	41	159	6	148	148-159	Ket	16	110	34	D	Farm use also. A.	173
174	Mount Holly	Mount Holly Water Co. No. 1	Layne-New York Co., Inc.	1925	9	376	18 & 10	322	322-372	Kmr	12	700	101	PS	A.	174
175	1 mi. SW of Florence	National Gypsum Co. No. 1	do.	1956	22	167	12 & 8	118	118-128	Kmr	19	154	38	Ind	A.	175
176	7 mi. N of Wrightstown, on Ellisdale Rd.	R. H. Clark	J. Henry Robbins	1952	87	95	4	85	85-95	Ket	40	20	--	D	A.	176
177	2 mi. N of Wrightstown, at Sykesville	Allen Herbert	Greenhalgh & Kaye	1956	170	129	4	115	(none)	Kmw	40	10	20	D	A.	177
178	do.	William C. Rahilly	do.	1955	195	158	4	155	155-158	Kmw	58	10	5	D	L.	178
179	2 mi. E of Wrightstown, on State Route 528 Spur	Dix Concrete Co.	Leon Gager	1953	100	117	6	100	100-110	Kmw	(flowing)	60	68	CI	Flows 8 gpm 2 feet above land surface. Static water level is 8 feet above land surface	179
180	Wrightstown	Clifford C. Holden	Greenhalgh & Kaye	1957	133	150	4	---	(none)	Kmw	20	15	20	D		180
181	do.	Wrightstown Municipal Utility Authority		----	120	268	8	---	-----	Ket	(flowing)	--	—	U	A., L	181

Table 2.--Records of selected wells in Burlington County, N. J.--Continued

Well no.	Location	Owner or name and number	Driller	Year completed	Altitude of land surface (feet)	Total depth drilled (feet)	Well diameter (inches)	Casing length (feet)	Screen setting (feet)	Water-bearing formation	Static water level below land surface (feet)	Yield (gpm)	Drawdown (feet)	Use	Remarks	Well no.
182	1 mi. W of Wrightstown	John L. Bond	Greenhalgh & Kaye	1953	143	123	-	--	------	Kmw	13	15	7	D		182
183	2 mi. NW of Wrightstown	Charles B. Hutchinson	Charles L. Mollitor, Inc.	1960	180	134	4	124	124-134	Kmw	54	25	5	D	L.	183
184	2 mi. NE of Browns Mills	Fort Dix No. 10	William Stothoff Co., Inc.	1943	100	449	6	--	------	Ket	26	60	102	PS	A.	184
185	4 mi. SE of Browns Mills, at Whitesbog	Joseph J. White, Inc.	Ridpath & Potter	1914	95	801	10 & 8	498	(none)	Ket	5	45	--	U	L.	185
186	do.	do.	J. W. Jenkins	1959	95	388	6 & 4	376	376-388	Kmw	--	150	--	CI	Pumping level is 90 feet. L.	186
187	4 mi. SE of Pemberton	Francis Bush	Edward Robbins, Sr.	1954	65	273	6	250	250-256	Kmw	28	400	38	Irr		187
188	Chatsworth	Anthony DeMarco Cranberry Plant	Bernard A. Leek	----	99	67	3	—	------	Tch	6	—	—	D	A.	188
189	3 mi. NE of New Gretna, at Lake Absegami	Bass River State Forest		----	20	31	1¼	27	(none)	Tch	3	—	--	PS	A.	189
190	6 mi. NW of New Gretna	Green Bank State Forest Nursery			13	73	8 & 6	53	53-73	Tch	-	150	--	Irr	A.	190
191	New Gretna	Chester Allen			9	232	3	--	------	Tkw	(flowing)	10	4	CI	Static water level is 4 feet above land surface. A.	191
192	Atsion	Lesson Small			51	88	1¼	--	------	Tch	6	—	—	D	A.	192
193	3 mi. N of Atsion, at Indian Mills	Leah Prickett		----	77	60	----	--	------	Tch	-	--	—	D	A.	193
194	4 mi. SW of Pemberton, near Vincentown	Vincentown Water Co.		1923	40	153	8	--	------	Kmw	(flowing)	175	--	PS	Flows 28 gpm at land surface in the spring season.. A.	194
195	2 mi. S of Mount Holly, at Lumberton	Electronic Parts Specialty Co.	J. Henry Robbins	1953	33	121	6 & 4	101	101-121	Ket	30	50	--	Ind	A.	195
196	2 mi. W of Medford Lakes, at Taunton Lakes	Taunton Lakes Water Co. No. 1	do.	1950	57	252	6	230	(none)	Kmw	25	300	--	U	Abandoned. A., L.	196
197	Beverly	National Waterproof Papers, Inc.	Charles L. Mollitor, Inc.	1955	38	61	16	41	41-6	Kmr	22	----	—	Ind	Used for cooling.	197
198	2 mi. SE of Riverton	Riverton-Palmyra Water Co. No. 10	A. C. Schultes & Sons	1961	79	308	12	243	243-281	Kmr	75	1051	95	PS	Drilled to weathered bedrock. A., L.	198
199	2 mi NE of Moorestown, on Hartford Rd.	Moorestown Tp. Water Dept. No. 4	Layne-New York Co., Inc.	1959	59	360	12	298	298-338	Kmr	58	715	52	PS	L.	199
200	2 mi NE of Chatsworth	The Superior Zinc Corp.	Artesian Well Drilling Co.	1941	140	153	12	121	121-146	Tch	36	300	50	Ind		200
201	6 mi. E of Chatsworth on State Hwy 72	Cedar Bridge Fire Tower	J. Henry Robbins	1938	200	110	6	----	------	Tch	61	----	--	O	L.	201
202	3 mi. W of Mount Holly	Inductotherm Corp.	Charles L. Mollitor, Inc.	1961	65	444	6	411	411-443	Kmr	80	300	16	Ind	L.	202
203	6 mi. S of Chatsworth, on State Route 563	Arthur Sooy	(Owner)	----	45	30	2	----	------	Tch	-	----	--	D	Driven well. A.	203
204	1 mi. SW of Bordentown at Fieldsboro	Bzura Chemical Co., Inc.	A. J. Connelly, Inc.	1960	9	79	----	----	-----	Kmr	-	----	--	Ind	A.	204
205	3 mi. NE of Pemberton	Pemberton Tp. High School	Layne-New York Co., Inc.	1959	75	220	6	140	140-150	Kmw	-	----	--	CI	A.	205
206	3 mi. E of Moorestown on Marne Hwy	William Haines, Jr.	Artesian Well Drilling Co.	1958	55	238	8	200	200-238	Ket	-	400	—	Irr	A.	206
207	5 mi. NE of Mount Holly on U.S. Hwy 206	Harry Rupp		----	62	52	4	----	------	Ket	-	----	--	CI	A.	207
208	2 mi. S of Moorestown	Mount Laurel Water Co.	A. C. Schultes & Sons	1961	30	595	12, 8	558	558-589	Kmr	32	548	77	PS	L.	208

Table 3. -- Selected drillers' logs of wells in Burlington County, N. J.

Well no. 3, Burlington Water Department
(Log by Layne-New York Co., Inc.)

	Altitude 9 feet	
	Thickness (feet)	Depth (feet)
Topsoil	1	1
Fill	4	5
Quaternary:		
Cape May Formation:		
Coarse gravel	5	10
Gravel and clay	7	17
Gravel	5	22
Gravel and sand	2	24
White sand and gravel	2	26
Brown sand and clay	7	33
Cretaceous:		
Magothy (?) and Raritan (?) Formations:		
White sand and clay	10	43
Sand, gravel, and sandy clay	8	51
Magothy and Raritan Formations:		
Blue clay	10	61
Clay, gravel, and sand	3	64
Gravel, sand and clay	7	71
Clay, gravel, and sand	2	73
Sand, gravel, and clay	12	85
Quartz sand and blue clay	5	90

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 4, Burlington Water Department
(Log by Artesian Well Drilling Co.)

	Altitude 19 feet	
	Thickness (feet)	Depth (feet)
Quaternary:		
Cape May Formation:		
Sand and loam	5	5
Dirty, brown sand	5	10
Coarse sand	5	15
Coarse sand and mud, some gravel	5	20
Coarse sand and medium gravel	5	25
Coarse sand and gravel	5	30
Coarse sand and fine gravel	10	40
Coarse sand and gravel	6	46
Medium and large gravel	2	48
Cretaceous:		
Magothy and Raritan Formations:		
Gray sandy clay	1	49

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 9, Delaware River Water Co.
(Log by A. C. Schultes & Sons)

	Altitude 21 feet	
	Thickness (feet)	Depth (feet)
Quaternary:		
Cape May Formation:		
Fine, brown sand	23	23
Sand, gravel, and clay	3	26
Cretaceous(?):		
Magothy (?) and Raritan (?) Formations:		
Gray clay	13	39
Stones	2	41
Interbedded brown sand, gravel, and clay	8	49
Coarse, brown sand	5	54
Cretaceous:		
Magothy and Raritan Formations:		
Coarse, brown sand and white clay, some gravel	21	75
Gravel and yellow clay	7	82
Red, white and yellow clay	8	90
Red and brown clay	6	96
Yellow and white clay	2	98
Stones, gravel, and clay	7	105
Fine sand and gravel	4	109
Fine sand and gravel, some white clay	10	119
Brown and white sand, clay	7	126
Coarse, brown sand and clay	6	132
Yellow and white clay	3	135
Early Paleozoic (?):		
Wissahickon Formation:		
Weathered rock	5	140

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 10, Delaware River Water Co.
(Log by A. C. Schultes and Sons)

	Altitude 25 feet Thickness (feet)	Depth (feet)
Quaternary:		
Cape May Formation:		
No sample	20	20
Cretaceous (?):		
Magothy (?) and Raritan (?) Formations:		
Hard clay	15	35
Cretaceous:		
Magothy and Raritan Formations:		
White and red clay	2	37
Soft, gray clay	3	40
Yellow sandy clay	14	54
Coarse, white sand	5	59
Medium to coarse sand, some ironstone	5	64
Yellow clay and fine sand	10	74
Pebbles, fine sand, and yellow clay - water-bearing	7	81
Medium to coarse sandy clay, ironstone	5	85
Coarse sand and gravel	5	91
Medium to coarse sand	5	96
Medium to coarse sand, clay, and stones	18	114
Fine sand, stones, and yellow clay	5	119
Medium to coarse sand	10	129
Brown clay	7	136
Red clay	6	142
Early Paleozoic (?):		
Wissahickon Formation:		
Weathered rock	1	143

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 11, Evesham Township Water Department
(Log by A. G. Dunphey)

	Altitude 115 feet Thickness (feet)	Depth (feet)
Topsoil	9	9
Quaternary:		
Pensauken Formation:		
Yellow gravel	5	14
Tertiary:		
Kirkwood Formation:		
Yellow sand	15	29
Tertiary and Cretaceous:		
Hornerstown Sand and Navesink Formation (undifferentiated):		
Black mud	20	49
Marl	25	74
Brown mud	19	93
Mud and shells	3	96
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Gray sand with abundance of water, somewhat irony	10	106
White sand	1	107
Black sand	1	108
Whitish or gray sand	17	125
Black sandy mud	At	125
Marshalltown (?) Formation:		
Black clay	Below	155
Englishtown (?) Formation:		
Black, muddy sandy	At	185
Englishtown Formation:		
Sandy marl	At	196
Light-colored sand	At	208
Water-bearing, yellowish-white sand	At	212

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 12, Evesham Township Water Department
(Log by Layne-New York Co., Inc.)

	Altitude 89 feet	
	Thickness (feet)	Depth (feet)
Topsoil	1	1
Tertiary:		
Hornestown Sand:		
Yellow sandy clay, red and blue marl	15	16
Cretaceous:		
Navesink Formation:		
Black zeolite (?) sand and marl with clay streaks	57	73
Mount Laurel Sand, Wenonah Formation, and Marshalltown Formation (undifferentiated):		
Fine to coarse sand with shells	37	110
Blue clay with sand streaks	55	165
Englishtown Formation:		
Fine to medium sand and gravel	35	200
Woodbury Clay and Merchantville Formation (undifferentiated):		
Blue clay and sand with shells	76	276
Blue and white clay with sand streaks	84	360
Magothy and Raritan Formations:		
Fine to coarse, black and white sand	33	393
Blue clay with streaks of fine sand	22	415
Fine to medium sand	11	426
Fine to medium sand with blue and white clay streaks	74	500
Blue, red, and white clay	12	512

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 13, Florence Township Water Department
(Log by Layne-New York Co., Inc.)

	Altitude 25 feet Thickness (feet)	Depth (feet)
Quaternary:		
Cape May Formation:		
Fine, brown sand	4	4
Coarse, brown sand	4	8
Gravel	23	31
Cretaceous:		
Magothy and Raritan Formations:		
Blue and white clay	2	33
Tough red clay	7	40
Tough red and white clay	44	84
Blue and white sandy clay	10	94
Medium gray sand and white clay	19	113
Coarse sand, red and white clay	12	125
Coarse, brown sand	13	138
Yellow and blue clay	12	150
Coarse sand and clay	8	158
Early Paleozoic (?):		
Wissahickon Formation:		
Mica rock	5	163

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 15, Fort Dix
(Log by Artesian Well Drilling Co.)

Altitude 131 feet

	Thickness (feet)	Depth (feet)
Tertiary:		
Kirkwood Formation:		
Fine, yellow clayey sand	22	22
Gray clay and fine silty sand	18	40
Green, clayey, glauconitic sand	25	65
Manasquan and Vincentown Formations, Hornerstown Sand (undifferentiated):		
Yellowish-green, clayey, glauconitic sand	41	106
Bright-green, clayey, and sandy glauconite with shells	14	120
Cretaceous:		
Navesink Formation:		
Dark-gray glauconitic clay with shells	21	141
Medium, yellowish-green, glauconitic sand	21	162
Mount Laurel Sand and Wenonah Formation:		
Gray, clayey, glauconitic sand with fossils	At	162
Fine, gray, clayey micaceous sand	At	180
Marshalltown Formation:		
Gray clay and fine, micaceous sand	At	274
Dark greenish-gray glauconitic clay with some fine micaceous sand	At	275
Englishtown Formation:		
Brown clay with a trace of lignite	At	299
Gray clay	At	328
Gray clay	At	352
Woodbury Formation:		
Gray, glauconitic, fossiliferous clay	At	370
Gray, glauconitic, fossiliferous clay	77	447
Merchantville Formation:		
Greenish-gray to dark gray glauconitic clay	83	530
Magothy and Raritan Formations:		
Fine to medium glauconitic sand	At	530
Very fine sand	At	540
Very fine sand and some clay	40	580
Fine sand	42	622
Fine to coarse sand and gravel	6	628
Fine to coarse, gray slightly clayey sand	2	630
Gray sand	At	630
Gray sand	At	656
Very fine, light gray silty sand	At	663
Fine to coarse, light gray sand, gravel and white clay	At	668
Fine, brown, micaceous sand	At	715
Fine sand and gray clay	At	720
Fine sand and clay	150	870
Red, white, and gray clay	160	1030
Coarse water-bearing sand	21	1051

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 16, Fort Dix
(Log by Layne-New York Co., Inc.)

	Altitude 148 feet	
	Thickness (feet)	Depth (feet)
Tertiary:		
Undifferentiated:		
Sand and gravel	82	82
Clay and black sand	59	141
Cretaceous:		
Undifferentiated:		
Hard, black sand	45	186
Silt and clay	45	231
Gray sand and gravel (?)	25	256
Marshalltown and Englishtown Formations (undifferentiated):		
Silt, sand, and clay	42	298
Woodbury Clay and Merchantville Formation (undifferentiated):		
Black clay and sand	68	366
Clay and sand	56	422
Hard clay and sand	101	523
Magothy (?) and Raritan (?) Formations:		
Sandy clay	33	556
Tough clay	12	568
Sandy clay	68	636
Hard sandy clay	58	694
Tough clay with hard streaks	48	742
Clay and gravel	7	749
Gravel and hard clay	23	772
Sand and hard clay	50	822
Magothy and Raritan Formations:		
Clay with red streaks	87	909
Clay, sand, gravel, and wood	20	929
Medium, gray sand	19	948
Tough clay	21	969
Muddy sand	12	981
Tough clay	22	1003
Medium, gray sand	21	1024
Tough clay	10	1034
Sand, clay, and gravel	16	1050
Coarse, gray sand and gravel	36	1086
Clay	10	1096

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 17, Fort Dix
(Log by H. G. Richards, Geologist)

	Altitude 85 feet	
	Thickness (feet)	Depth (feet)
Tertiary:		
Kirkwood Formation:		
Fine, yellow, slightly clayey sand	10	10
Fine to coarse, buff and light gray sand	10	20
Fine sand and gray clay	10	30
Very fine, gray, clayey sand	30	60
Very fine, gray sand and clay	10	70
Black, lignitic, silty clay	10	80
Manasquan and Vincentown Formations (undifferentiated):		
Green clay	50	130
Green glauconitic clay	10	140
Hard, light green clay	20	160
Green clay	30	190
Green glauconitic clay	10	200
Green clay	10	210
Hornerstown Sand:		
Dark green to gray glauconitic clay	20	230
Green glauconitic clay	10	240
Green glauconitic sandy clay	20	260
Cretaceous:		
Navesink Formation:		
Gray glauconitic clay	10	270
Gray sandy clay	30	300
Mount Laurel (?) Sand and Wenonah (?) Formation:		
Silty, slightly micaceous sand and clay	10	310
Mount Laurel Sand and Wenonah Formation:		
Green silty, slightly clayey sand	30	340
Gray silty sand and clay	50	390
Marshalltown Formation:		
Gray, silty, sandy clay	50	440
Fine, green to gray, clayey, glauconitic sand	10	450
Englishtown Formation:		
Gray clay and sand	10	460
Fine to medium, light green to gray, slightly glauconitic sand with shell fragments	25	485

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 18, McGuire Air Force Base (Log by A. C. Schultes and Sons) Altitude 128 feet	Thickness (feet)	Depth (feet)
Topsoil	1	1
Tertiary:		
Kirkwood Formation:		
Fine, yellow sand	5	6
Fine, yellow sand and gravel	9	15
Fine, gray sand	7	22
Medium, yellow and gray sand	13	35
Vincentown Formation:		
Fine, gray sand	15	50
Tertiary and Cretaceous:		
Undifferentiated:		
Gray and white sand, black marl with shells	151	201
Blue clay and marl	63	264
Cretaceous:		
Englishtown Formation:		
Streaks of hardpan and sand	7	271
Gray sand with lignite, streaks of hardpan and shells	88	359
Woodbury Clay:		
Black clay with some sand	16	375
Black clay, fine sand, and shells	53	428
Merchantville Formation:		
Dark green clay, shells, and fine sand	4	432
Clay and medium sand	13	445
Black clay, medium sand, and shells	57	502
Magothy (?) and Raritan (?) Formations:		
Green clay, fine sand, and black clay	48	550
Magothy and Raritan Formations:		
Red and black clay with hard sand streaks	38	588
Gray sand and white clay	53	641
Gray sand with streaks of black clay	24	665
Black clay	5	670
Black clay and fine sand	5	675
Fine, gray sand and black clay	5	680
Fine to medium, gray sand and black clay	41	721
Black clay and very fine sand	19	740
Black clay, red clay, and shells	12	752
Red and black clay, shells, and fine sand	23	775
Fine, gray and white sand	50	825
Black and red clay, wood, and black and gray sand	55	880
Gray sand, red clay, and wood	39	919
Tough, variegated clay	31	950
Hard, red clay and coarse sand	5	955
Hard, variegated clay	5	960
Very hard, red clay	24	984
Medium to coarse sand	44	1028
Fine to coarse sand	32	1060
Early Paleozoic (?):		
Wissahickon (?) Formation:		
Clay, sand, and weathered rock	37	1097
Red clay	3	1100

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 19, McGuire Air Force Base
(Log by A. C. Schultes and Sons)

	Altitude 102 feet Thickness (feet)	Depth (feet)
Tertiary:		
Kirkwood Formation:		
Yellow sand	5	5
Fine, gray sand	15	20
Yellow clay, sand, and wood	5	25
Vincentown Formation and Hornerstown Sand (undifferentiated):		
Hard, gray and white sand	65	90
Cretaceous:		
Navesink Formation:		
Black marl with shells	40	130
Red clay	1	131
Mount Laurel Sand and Wenonah Formation:		
Fine, black and white sand	89	220
Marshalltown Formation:		
Fine, gray and black sand	32	252
Gray clay	8	260
Englishtown Formation:		
Fine to medium, gray, micaceous sand	25	285
Medium to coarse sand, black marl, and shells	20	305
Coarse sand, black marl, and shells	25	330
Coarse sand with shells	20	350
Woodbury Clay:		
Fine to coarse sand (?), marl, and shells	25	375
Fine to medium sand (?), shells, and marl	35	410
Medium to coarse sand (?), shells, and marl	15	425
Woodbury Clay and Merchantville Formation (undifferentiated):		
Medium to coarse sand (?), red clay, marl and shells	38	463
Merchantville Formation:		
Marl, shells, and red clay	67	530
Magothy and Raritan Formations:		
Clay, shells, and wood	40	570
Clay, shells, white clay, and wood	15	585
Coarse sand, gray clay, and wood	47	632
Medium to coarse sand, lignite, and gray clay	46	678
Red and white clay and marl	29	707
Layers of gravel, wood, and micaceous clay	14	721
White clay	65	786
White and gray clay and coarse sand	44	830
Variegated clay with hard streaks	20	850
Variegated clay	70	920
Gray sand, streaks of red and white clay, and wood	62	982
Medium to coarse sand and white clay	6	988
Coarse sand and red clay	12	1000
Sand and red clay	20	1020
Red clay	8	1028
Variegated sand	72	1100
Early Paleozoic (?):		
Wissahickon Formation:		
Weathered rock	23	1123

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 21, Lakes Water Co.
(Log by J. Henry Robbins)

	Altitude 52 feet Thickness (feet)	Depth (feet)
Tertiary:		
Kirkwood Formation:		
Yellow sand and clay	30	30
Kirkwood and Vincentown Formations (undifferentiated):		
Black clay	70	100
Tertiary and Cretaceous:		
Hornerstown Sand and Navesink Formation (undifferentiated):		
Green clay	70	170
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Fine, green sand	10	180
Coarse, green and white sand	20	200

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 22, Levitt and Sons Inc.
(Log by A. C. Schultes and Sons)

	Altitude 29 feet	
	Thickness (feet)	Depth (feet)
Topsoil	5	5
Quaternary:		
Cape May Formation:		
Fine white sand with mica	5	10
Fine to medium, brown sand	15	25
Coarse sand and marl	7	32
Gravel	8	40
Coarse gravel and black clay	5	45
Cretaceous:		
Merchantville Formation:		
Black clay	20	65
Magothy and Raritan Formations:		
Fine to medium, brown sand and clay	5	70
Fine, gray sand	15	85
Fine to medium gray sand with mica and wood	45	130
Medium to coarse sand	10	140
Fine to medium sand	35	175
White clay	19	194
Fine gray sand	51	245
Fine to medium, white sand	10	255
White clay and fine, white sand	10	265
Gray clay	11	276
Gray clay, fine to coarse sand, and gravel	3	279
No sample	11	290
Gray clay	4	294
Fine to coarse, gray sand	29	323
Gray and red clay	15	338
Medium, gray sand	23	361
Early Paleozoic (?):		
Wissahickon Formation:		
Gray weathered rock	2	363

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 24, Levitt and Sons Inc.
(Log by A. C. Schultes and Sons)

	Altitude 28 feet	
	Thickness (feet)	Depth (feet)
Topsoil	5	5
Quaternary:		
Cape May Formation:		
Yellow sandy clay	10	15
Cretaceous:		
Magothy and Raritan Formations:		
Red and white clay	39	54
Sand and gravel	5	59
Dark gray clay	5	64
Red clay with gravel	16	80
Dark gray clay	4	84
Medium, gray sand with clay	11	95
Fine, brown sand	15	110
Gravel with some stones	5	115
Medium, gray sand and gravel	45	160
Medium to coarse sand and gravel	40	200
Medium to coarse, white sand	30	230
Gravel and red clay	10	240
Gray silty clay	3	243
Red clay	4	247
White silty clay	8	255
Fine to medium sand with clay	18	273
Fine, brown sand with clay	9	282
Hardpan	1	283
Early Paleozoic (?):		
Wissahickon Formation:		
Weathered rock	1	284

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 25, Levitt and Sons Inc.
(Log by A. C. Schultes and Sons)

	Altitude 39 feet	
	Thickness (feet)	Depth (feet)
Fill	5	5
Cretaceous:		
Magothy and Raritan Formations:		
Fine, gray sand	29	34
Gray clay	7	41
Fine, gray sand	8	49
Light gray clay	38	87
Fine, gray sand	11	98
Red clay	3	101
Fine, gray sand	58	159
Red clay	28	187
Fine to coarse, gray sand	6	193
Sand	3	196
Light gray clay	14	210
Fine, gray, silty sand	12	222
Gray clay	10	232
Fine gray sand	24	256
Gray sandy clay	12	268
Early Paleozoic (?):		
Wissahickon Formation:		
Weathered rock	1	269

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 26, Levitt and Sons Inc.
(Log by C. W. Lauman and Co. Inc.)

	Altitude 19 feet Thickness (feet)	Depth (feet)
Quaternary:		
Cape May Formation:		
Brown sand and gravel	11	11
Cretaceous:		
Merchantville Formation:		
Gray to black, sandy silt with lignite	22	33
Magothy and Raritan Formations:		
Fine to medium, gray sand	14	47
Gray and white clay	15	62
White, sandy clay	4	66
White sand	5	71
Clay	5	76
Red and white clayey sand	10	86
Brown sandy clay	5	91
Fine, brown sand with some gravel	5	96
Fine, white, clayey sand and gravel	5	101
Fine, light brown sand	10	111
Fine to coarse, brown sand with coarse gravel	5	116
Fine clayey sand	7	123
Gravel	1	124
Fine, white sand	2	126
Gray clay	4	130
Fine to coarse, brown sand	10	140
Fine to medium sand	2	142
Clay	1	143
Fine to coarse, brown sand	9	152
Gravel	1	153
Red and gray clay	11	164
Fine, white sand	12	176
Fine to medium, brown sand	5	181
Fine to coarse, white sand	6	187
White sandy clay	5	192
Fine white sand	15	207
Fine gray sand with some clay	10	217
Fine to coarse, gray sand	7	224
Gray clay	3	227
Fine to coarse, gray sand	6	233
Clay	1	234
Fine to medium, gray sand	6	240
Fine to coarse, brown and white sand	5	245
Fine to coarse, gray sand and gravel	10	255
Gray clay	5	260
Red clay	6	266
Early Paleozoic (?):		
Wissahickon Formation:		
Weathered rock	40	306

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 27, Levitt and Sons Inc.
(Log by E. A. Hickok and D. W. Miller)

	Thickness (feet)	Altitude 40 feet Depth (feet)
Quaternary:		
Pensauken Formation:		
Fine sand (and fill dirt)	15	15
Fine, gray sand	3	18
Fine, yellow sand	2	20
Cretaceous:		
Woodbury Clay:		
Black micaceous clay	30	50
Merchantville Formation:		
Black to green glauconitic clay	60	110
Magothy (?) and Raritan (?) Formations:		
Black to green glauconitic clay and some fine sand	10	120
Magothy and Raritan Formations:		
Gray and white clay	30	150
Red and gray clay	10	160
Gray silty clay	20	180
Gray clay and medium gravel	10	190
Red and gray clay	30	220
Dark gray clay with wood	10	230
Gray clay	10	240
Fine to medium sand with gray clay stringers	20	260
Fine to medium sand with some mica	10	270
White silt	10	280
Sand, silt, and clay	10	290
Gray clay	10	300
Fine to medium sand	30	330
Red and gray clay	10	340
Gray silt	10	350
Fine to coarse sand with gravel and clay	30	380
Red and gray clay	35	415
Gray silt and clay	25	440
Fine to medium sand	10	450
Sand, gravel, and clay	10	460
Gray clay and silt	20	480
Medium to coarse sand and some gray clay	10	490
Gray clay with lignite	9	499
Medium gravel	10	509
Gray clay and fine sand	1	510
Early Paleozoic (?):		
Wissahickon Formation:		
Green to black, weathered, micaceous schist	16	526

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 28, Lumberton Light, Water and Sewage Co.
(Log by Artesian Well Drilling Co.)

	Altitude 10 feet	
	Thickness (feet)	Depth (feet)
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Sand	15	15
Undifferentiated:		
Green marl and clay	69	84
Marshalltown Formation:		
Clay with mica	20	104
Englishtown Formation:		
Black sand	20	124
Water-bearing sand	20	144
Sand, no water (?)	5	149
Woodbury Clay:		
Hardpan	2	151
No record	49	200
Black clay and mud	46	246
Merchantville Formation:		
Green marl	35	281
Black marl	67	348
Undifferentiated:		
Marl and sand	12	360
Magothy and Raritan Formations:		
Pink clay	2	362
Water-bearing sand	38	400
White, plastic clay	4	404

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 29, Maple Shade Water Department
(Log by James M. McCrae [1])

	Altitude 55 feet	
	Thickness (feet)	Depth (feet)
Quaternary:		
Cape May Formation:		
Surface gravel	5	5
Yellow clay	8	13
Clay and ironstone	4	17
Cretaceous:		
Woodbury Clay and Merchantville Formation (undifferentiated):		
Fossiliferous, black sand	3	20
Black clay	44	64
Magothy and Raritan Formations:		
Fine to coarse, gray sand and gravel	33	97
Greensand marl (?)	6	103
Fine, gray sand and coarse gravel	27	130
White clay	100	230
Red clay	10	240
Sand and clay	20	260
White sand	40	300
Fine, white sand with clay streaks	15	315
Coarse, white sand	35	350
Coarse, white gravel	20	370
Very coarse, white gravel with pebbles and boulders	5	375

[1] Smock, 1894, p. 409-410

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 30, Maple Shade Water Department
(Log by Artesian Well Drilling Co.)

	Altitude 10 feet Thickness (feet)	Depth (feet)
Quaternary:		
Cape May Formation:		
Clay and gravel	8	8
Cretaceous:		
Woodbury Clay and Merchantville Formation (undifferentiated):		
Black marl	63	71
Magothy and Raritan Formations:		
Hard, dirty sand	32	103
Sand and gravel	10	113
Sand	4	117
Sand and gravel	9	126
Sand and coarse gravel	8	134
Clay	38	172
Dirty sand	3	175
Coarse, dirty sand	3	178
Coarse sand	4	182
Clay	7	189
Fine dirty sand	7	196
Clay	8	204
Fine, dirty sand	1	205
Sandy clay	2	207
Coarse sand and gravel	2	209
Coarse sand, gravel, and clay	9	218
Sandy clay	27	245
Coarse sand	7	252
Clay	20	272
No sample	10	282

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 31, Medford Water Co.
(Log by Layne-New York Co., Inc.)

	Alfitude 48 feet Thickness (feet)	Depth (feet)
Topsoil	1	1
Quaternary:		
Cape May Formation:		
Yellow sandy clay and gravel	11	12
Tertiary:		
Vincentown Formation and Hornerstown Sand (undifferentiated):		
Green marl with shells and streaks of clay	33	45
Tertiary and Cretaceous:		
Undifferentiated:		
Black sandy clay with shells	39	84
Fine sand with shells and streaks of gray clay	27	111
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Sandstone and shells	7	118
Fine, gray sand with shells and streaks of clay	19	137
Fine, black and white sand with shells	13	150
Marshalltown Formation:		
Black sandy clay with streaks of tough gray clay	25	175
Marshalltown and Englishtown Formations (undifferentiated):		
Gray sandy clay with shells	84	259
Englishtown Formation:		
Tough, gray clay	6	265
Woodbury Clay:		
Gray sandy clay and shells	52	317
Tough, gray clay	15	332
Fine, black and white sand with shells	26	358
Merchantville Formation:		
Black marl with shells and streaks of gray clay	77	435
Magothy and Raritan Formations:		
Hard, black and white sand with shells and streaks of gray clay	59	494
Tough, gray clay	6	500
Fine to medium, white sand	18	518
Tough, gray clay	2	520
Medium to coarse, gray sand	20	540
White sandy clay	12	552
Tough, gray clay	7	559
Fine sand	6	565
Tough, gray clay	3	568
Hard sand with streaks of gray clay	22	590

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 32, Moorestown Township Water Department
(Log by Layne-New York Co., Inc.)

	Altitude 20 feet Thickness (feet)	Depth (feet)
Cretaceous:		
Woodbury Clay and Merchantville Formation (undifferentiated):		
Blue sandy clay	13	13
Blue clay	112	125
Magothy and Raritan Formations:		
Fine, gray sand	23	148
Blue clay	8	156
Coarse, gray sand	33	189
White clay	60	249
Coarse, gray sand	56	305
Blue clay	15	320
Fine, gray sand	9	329
Blue clay	8	337
Coarse, gray sand	5	342
Coarse, gray sand and gravel	33	375
Yellow clay	7	382
Red clay	34	416
Sandy clay	6	422
Fine, gray sand	19	441
Coarse sand	22	463
Sand, gravel, and boulders	31	494
Blue clay	2	496
Early Paleozoic (?):		
Wissahickon Formation:		
Rock	1	497

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 34, Mount Holly Water Company
(Log by John C. Smock [2/])

	Altitude 20 feet Thickness (feet)	Depth (feet)
Quaternary:		
Cape May Formation:		
Surface material	12	12
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Dark gray micaceous sand with some green sand (glauconite)	At	12
Marshalltown Formation:		
Marly clay	45	57
Englishtown Formation:		
Water-bearing, yellow sand	40	97
Woodbury Clay:		
Dark sandy clay	25	122
Clay with gravel	At	122
Dark marly clay	71	193
Merchantville Formation:		
Green sand (glauconite) marl	42	235
Coarse, dark sandy clay	40	275
Magothy (?) and Raritan Formations (?):		
Pink, very clayey sand	15	290
Green and white clayey sand	10	300
Red clay with green sand	5	305
Clayey sand and green sand (glauconite)	15	320
Magothy and Raritan Formations:		
Water-bearing, white lignitic sand	20	340
Fine, yellow gravel	2	342
Dark, micaceous sandy clay	8	350
White micaceous sand	18	368
Dark gray sand and fine gravel	2	370
Green clayey sand and fine gravel	24	394
Sandstone	At	394
Pink sandy clay	106	500
Red clay, less sandy	39	539
Water-bearing sand and gravel	23	562

[2/] Smock, 1901, p. 144-147

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 35, Pemberton Water Department
(Log by A. L. Lyons)

	Altitude 80 feet Thickness (feet)	Depth (feet)
Tertiary:		
Manasquan Formation:		
Yellow sandy clay	17	17
Vincentown Formation:		
Gray sand	22	39
Marl and sand	20	59
Undifferentiated:		
Green sand and clay	52	111
Tertiary and Cretaceous:		
Hornerstown Sand and Navesink Formation (undifferentiated):		
Blue clay and marl	39	150
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Dark gray sand	35	185
Marshalltown Formation:		
Dark sandy clay	21	206

Well no. 37, Pemberton Township Water Department
(Log by Thomas Magee)

Tertiary:	Altitude 112 feet	
Cohansey Sand:		
Sand	12	12
Kirkwood Formation:		
White sandy clay	7	19
Yellow sandy clay	40	59
White sand	15	74
Black marl	24	98
Manasquan and Vincentown Formations, Hornerstown Sand (undifferentiated):		
Green marl	24	122
Green sandy marl	56	178
Cretaceous:		
Navesink Formation:		
Hard, green marl	18	196
Green sandy marl	14	210
Green sandy marl with shells	65	275
Mount Laurel Sand and Wenonah Formation:		
Hard sand	27	302
Hard sand and marl with shells	1	303

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 38, Pemberton Township Water Department
(Log by Layne-New York Co., Inc.)

	Altitude 93 feet Thickness (feet)	Depth (feet)
Tertiary:		
Kirkwood Formation:		
Coarse, brown sand	30	30
Brown sand and clay	15	45
Blue clay	60	105
Manasquan and Vincentown Formations, Hornerstown Sand (undifferentiated):		
Green clay	80	185
Cretaceous:		
Navesink Formation:		
Black clay and silt	92	277
Mount Laurel Sand and Wenonah Formation:		
Coarse sand with shells	60	337
Marshalltown Formation:		
Fine sand and silt	20	357
Black sandy clay	45	402

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 39, Rancocas Woods Water Co.
(Log by Charles L. Mollitor Inc.)

	Altitude 50 feet Thickness (feet)	Depth (feet)
Topsoil	1	1
Cretaceous:		
Englishtown Formation:		
Sand	20	21
Water-bearing, fine sand	12	33
Brown sand and gravel	27	60
Woodbury Clay:		
Black marl	60	120
Merchantville Formation:		
Green marl	60	180
Magothy and Raritan Formations:		
White clay	7	187
Fine sand	48	235
Sand and gravel	13	248

Well no. 40, Riverton and Palmyra Water Co.
(Log by A. C. Schultes and Sons)

	Altitude 13 feet	
Topsoil	1	1
Quaternary:		
Cape May Formation:		
Brown silt	8	9
Brown sand and gravel	9	18
Cretaceous:		
Magothy and Raritan Formations:		
Gravel, sand, and red clay	2	20
Large gravel and some brown sand	14	34
Coarse, white sand	1	35
Clay, gravel, and stones	6	41
Yellowish-white clay with some gravel	6	47
Coarse, brown sand and clay	11	58
Yellowish-white clay, gravel, and coarse sand	1	59
Yellowish-white clay	3	62
Coarse, brown sand and gravel	7	69
White sand and clay	4	73
White sand, clay, and gravel	1	74
White sand with some gravel	5	79
Coarse, brown sand	2	81
Large stones and gravel	3	84
Yellow clay	9	93
Yellow micaceous clay	3	96
Early Paleozoic (?):		
Wissahickon Formation:		
Weathered rock	4	100

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 42, Norman F. Scattergood
(Log by Theodore Ziegenfus)

	Altitude 72 feet Thickness (feet)	Depth (feet)
Quaternary:		
Cape May Formation:		
White sand	20	20
Cretaceous:		
Undifferentiated:		
Blue clay	125	145
Magothy and Raritan Formations:		
Gray sand	1	146
White clay	15	161
Fine sand	4	165
Clay	20	185
Fine sand	5	190
Fine and coarse sand	5	195
Blue clay	19	214
Blue clay and coarse sand	6	220
Clay	27	247
Clay and fine to coarse sand	6	253
Red clay	10	263
White clay	16	279
Coarse sand	1	280
White clay	35	315
Red clay	18	333
Coarse sand and gravel	2	335
Blue and white clay	13	348
Fine to coarse sand and gravel	14	362

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 44, National Guard Maintenance Shop
(Log by Louis M. Bainbridge and Son)

	Altitude 83 feet	
	Thickness (feet)	Depth (feet)
Topsoil	3	3
Quaternary:		
Cape May Formation:		
Yellow clay and sand	17	20
Cretaceous:		
Merchantville Formation:		
Green glauconitic marl	90	110
Magothy and Raritan Formations:		
Glauconitic marl and sand with wood	10	120
Black clay with pyrite and wood	5	125
Black sandy clay	5	130
Gray sand with black and white clay	15	145
Sand and gravel with black clay	10	155
Red and white clay	10	165
White clay	2	167
Gray sand and clay	6	173
Medium sand	12	185
Medium, gray sand	7	192
Black clay	7	199
Gray sand and black clay	1	200
Coarse sand and black clay	10	210
Coarse, gray sand	5	215
Coarse, white and gray sand	10	225
Red and white clay	5	230

Well no. 45, Hercules Powder Co.
(Log by Layne-New York Co., Inc.)

	Altitude 22 feet	
Quaternary:		
Cape May Formation:		
Sand	6	6
Gravel and boulders	32	38
Cretaceous:		
Magothy and Raritan Formations:		
Red clay	39	77
White clay and sand	19	96
Coarse sand and fine gravel	24	120
Clay	7	127
Sand and gravel	8	135
Early Paleozoic (?):		
Wissahickon Formation:		
Mica rock	11	146

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 48, Edgar B. Heisler
(Log by Charles L. Mollitor Inc.)

	Altitude 30 feet Thickness (feet)	Depth (feet)
Fill	1	1
Quaternary:		
Cape May Formation:		
Dry sand	18	19
Cape May (?) Formation:		
Yellow sand	29	48
Cretaceous:		
Magothy and Raritan Formations:		
Yellow sand and gravel	14	62
Brown sand	9	71
Muddy sand	12	83
Gray clay	9	92
Yellow clay	10	102
White clay	15	117
Yellow sand	3	120
Yellow sand and clay	13	133
Coarse sand and clay	4	137
White clay	20	157
Yellow sand and gravel	7	164
White clay	17	184
Sand and gravel	31	215

Well no. 49, Carroll Murphy
(Log by Charles L. Mollitor Inc.)

	Altitude 35 feet	
Quaternary:		
Cape May Formation:		
Medium to coarse, brown sand and loam	6	6
Medium to coarse sand	10	16
Cretaceous:		
Magothy and Raritan Formations:		
Gray clay	2	18
White clay with sand	7	25
Red clay with sand	5	30
Red and gray clay	8	38
Gray clay with sand and gravel	3	41
Brown sandstone	10	51
Medium to coarse, gray sand	25	76
Fine, white sand	6	82
White clay and white sand	1	83

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 50, Masonic Home
(Log by American Well Drilling Co.)

	Altitude 79 feet Thickness (feet)	Depth (feet)
Quaternary:		
Pensauken Formation:		
Yellow sandy clay	25	25
Cretaceous:		
Woodbury Clay and Merchantville Formation (undifferentiated):		
Black silty clay	72	97
Magothy and Raritan Formations:		
Dirty, fine sand	12	109
Red clay	42	151
Dirty medium sand	9	160
Clean, fine to coarse, gray sand	13	173
Fine to coarse, gray sand with wood fragments	1	174
Hardpan	1	175
Clay	1	176
Clean, medium sand	8	184
Clean, coarse sand and fine gravel	2	186
Clay	1	187
Clean, fine gravel	5	192
Clean, medium to coarse gravel	5	197
Clay	1	198
Clean, coarse sand	4	202
Clay	1	203
Clean, coarse sand and fine gravel	30	233
Red and white clay	49	282
White sand	12	294
White clay	22	316
Water-bearing sand and gravel	20	336
Red clay	59	395

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 51, William A. Donald
(Log by Paul Steffens)

	Altitude 42 feet Thickness (feet)	Depth (feet)
Loamy topsoil	6	6
Quaternary:		
Cape May Formation:		
Clay	5	11
Dirty sand	18	29
Cretaceous (?):		
Magothy (?) and Raritan (?) Formations:		
Sand and gravel	10	39
Cretaceous:		
Magothy and Raritan Formations:		
Gray clay	1	40
Sand and gravel	15	55
White clay	2	57
Coarse sand	3	60
Fine gravel	11	71
Gray clay	1	72
Sand and gravel	7	79
Gray clay	4	83
Fine sand	2	85
White clay	1	86
Sand and fine gravel	20	106
White clay	5	111

Well no. 54, Cherry Hill Inn Farm
(Log by Charles L. Mollitor Inc.)

	Altitude 72 feet	
Topsoil	6	6
Cretaceous:		
Englishtown Formation:		
Brown loam	4	10
Loam with gray clay	8	18
Sand and red clay	8	26
Woodbury Clay and Merchantville Formation (undifferentiated):		
Black and gray clay	85	111
Green marl with hardpan	27	138
Gray clay with hardpan	32	170
Magothy and Raritan Formations:		
Hardpan, gravel, and fine, gray sand	21	191
Water-bearing, fine, gray sand	17	208

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 55, Frank Pino
(Log by Edward Robbins)

	Altitude 63 feet Thickness (feet)	Depth (feet)
Cretaceous (?):		
Merchantville (?) Formation:		
Sand	30	30
Magothy (?) and Raritan (?) Formations:		
Light-gray clay	50	80
Cretaceous:		
Magothy and Raritan Formations:		
Sand	1	81
Clay	1	82
No sample	8	90
Water-bearing sand	10	100
Sand and clay	49	149
Water-bearing sand and clay streaks	20	169
Clay and sand	31	200
Red clay	7	207
White sand and gravel	20	227

Well no. 56, National Gypsum Co.
(Log by Layne-New York Co., Inc.)

	Altitude 22 feet	
Topsoil	1	1
Quaternary:		
Cape May Formation:		
Red sand and clay	9	10
Brown sand and gravel	11	21
Coarse sand and gravel	10	31
Cretaceous:		
Magothy and Raritan Formations:		
White and yellow sandy clay	6	37
Coarse, yellow sand and gravel with streaks of yellow clay	11	48
Yellow and white sandy clay with some gravel	12	60
Red and white clay	28	88
White sandy clay	22	110
Brown sand and coarse gravel	14	124
White clay	2	126
Coarse sand	4	130
White and yellow clay	10	140
Early Paleozoic (?):		
Wissahickon Formation:		
Mica rock	17	157

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 58, Charles Heal, Jr.
(Log by Charles L. Mollitor Inc.)

	Altitude 50 feet Thickness (feet)	Depth (feet)
Quaternary:		
Cape May Formation:		
Sand	1	1
Dry sand	4	5
Sand	14	19
Gravel	2	21
Cretaceous:		
Merchantville Formation:		
Black marl	33	54
Magothy and Raritan Formations:		
Sand	17	71
Gravel	9	80

Well no. 61, Harrisville
(Log by Mahlon Broon [3/])

	Altitude 15 feet	
Tertiary:		
Cohansey Sand:		
Sand	77	77
Sand	8	85
Blue mud	13	98
Clay (with pyrite?)	10	108
Marly mud	16	124
Strata with wood (?)	7	131
Mud with shells	15	146
Hard sediments	50	196
Water-bearing sand	35	231
Dark, slushy sand	14	245
Yellow sand	16	261
Coarse, red sand	45	306
Dark sand	12	318
White clay	13	331
Kirkwood Formation:		
Water-bearing, green marl	37	368
Slate stone (?)	7	375

[3/] Smock, 1893, p. 288-289

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 62, New Jersey State Reformatory
(Log by Layne-New York Co., Inc.)

	Altitude 97 feet	
	Thickness (feet)	Depth (feet)
Topsoil	1	1
Quaternary:		
Pensauken Formation:		
Red sand, gravel, and clay	12	13
Cretaceous:		
Woodbury Clay and Merchantville Formation (undifferentiated):		
Tough, black clay	22	35
Soft, green clay	40	75
Soft, black clay	40	115
Magothy (?) and Raritan (?) Formations:		
Soft, gray clay	25	140
Magothy and Raritan Formations:		
Fine, white sand	35	175
Sand, gravel, and clay	15	190
Soft clay	15	205
Coarse, white sand	15	220
Soft clay	10	230
Sand with streaks of clay	22	252
Clay	12	264
Sand and clay	12	276
Sand	30	306
Red clay	39	345
Coarse sand	52	397
Clay	25	422
Coarse sand	22	444
Clay	10	454

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 66, Dana Packing Co.
(Log by Greenhalgh and Kaye)

	Altitude 208 feet Thickness (feet)	Depth (feet)
Quaternary (?):		
Bridgeton (?) Formation:		
Yellow gravel	38	38
Tertiary and Cretaceous:		
Hornerstown and Red Bank Sands, Navesink Formation (undifferentiated):		
Dense, brown clay	22	60
Green and black marl	46	106
Cretaceous (?):		
Mount Laurel (?) Sand and Wenonah (?) Formation:		
Green clay	24	130
Dark gray clay	25	155
Cretaceous:		
Marshalltown Formation:		
Clay and fine sand	95	250
Englishtown Formation:		
Coarse, yellow sand	26	276

Well no. 67, Francis D. Gray
(Log by Louis M. Bainbridge and Son)

	Altitude 92 feet	
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Yellow sand and clay	30	30
Marshalltown Formation:		
Green clay	15	45
Gray clay	25	70
Englishtown Formation:		
Gray sand with pyrite	16	86
Gray clay	5	91
Gray sand and clay	10	101
Englishtown Formation, Woodbury Clay and Merchantville Formation (undifferentiated):		
Gray clay	94	195
Green marl	40	235
Gray clay	25	260
Grayish-green clay	5	265
Black clay	14	279
Magothy and Raritan Formations:		
Gray sand and clay	34	313
Black clay	At	313
Gray sand	4	317

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 68, John Marincas
(Log by Greenhalgh and Kaye)

	Altitude 97 feet Thickness (feet)	Depth (feet)
Quaternary and Cretaceous:		
Pensauken and Englishtown Formations (undifferentiated):		
Yellow gravel and clay	38	38
Cretaceous:		
Woodbury Clay and Merchantville Formation (undifferentiated):		
Dense, black clay	12	50
Gray and black clay	70	120
Dark green marl with shells	45	165
Black clay	15	180
Magothy and Raritan Formations:		
Clay and sand	5	185
Coarse sand and sandstone with wood	23	208

Well no. 70, Hoeganaes Sponge Iron Co.
(Log by Layne-New York Co., Inc.)

	Altitude 35 feet	
Quaternary:		
Cape May (?) Formation:		
Sand	10	10
Cretaceous:		
Magothy and Raritan Formations:		
Sand and sandy clay	6	16
Muddy sand	5	21
Sand, gravel, and clay	5	26
Sand	8	34
Clay	11	45
Sand, gravel, and clay	14	59
Yellow sand, gravel, and clay	13	72
Gray sand and white clay	10	82
Gravel, sand, and clay	16	98
Muddy gravel and sand	4	102
Gravel with streaks of clay	7	109
Coarse sand and gravel	26	135

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 71, Eastampton School
(Log by Charles L. Mollitor, Inc.)

	Altitude 73 feet	
	Thickness (feet)	Depth (feet)
Loamy topsoil	6	6
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Sand	8	14
Undifferentiated:		
Marl	117	131
Englishtown Formation:		
Sand	15	146
Clay	23	169
Sand	13	182
Woodbury Clay and Merchantville Formation (undifferentiated):		
Marl	161	343
Magothy and Raritan Formations:		
Sand	4	347
Red and white clay	22	369
Sand and hardpan	5	374
Gray clay	21	395
Muddy sand	6	401
Sand	16	417

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 72, J. A. Methvin
(Log by Paul Steffens)

	Altitude 39 feet	
	Thickness (feet)	Depth (feet)
Loamy topsoil	11	11
Cretaceous:		
Mount Laurel Sand and Wenonah and Marshalltown Formations (undifferentiated):		
Black sandy marl	87	98
Englishtown Formation:		
Water-bearing, fine sand	6	104
Dark gray clay	3	107
Water-bearing, coarse sand	5	112
Hardpan and dirty, coarse sand	4	116
Black marl	15	131
Fine sand with wood	4	135
Black marl	13	148
Hard, fine sand	2	150
Woodbury Clay and Merchantville Formation (undifferentiated):		
Very stiff, black marl	46	196
Marl with streaks of hardpan	44	240
Green marl	9	249
Hardpan	4	253
Streaks of clay and marl	12	265
Sandy marl with thin streaks of sand	17	282
Hardpan	3	285
Marl	14	299
Gray clay	5	304
Magothy and Raritan Formations:		
Hard sand	4	308
Red clay	4	312
Dirty, black sand	5	317
Gray and red clay	16	333
Hard, coarse sand	5	338
Black clay	14	352
Sand	11	363
Red clay	1	364

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 73, Byron T. Roberts Farms, Inc.
(Log by A. C. Schultes and Sons)

	Altitude 93 feet Thickness (feet)	Depth (feet)
Cretaceous:		
Navesink Formation:		
Fine to medium, brown sand	6	6
Brown marly sand	21	27
Gray marl	5	32
Mount Laurel Sand and Wenonah Formation:		
Fine, gray sand	53	85
Marshalltown Formation:		
Soft, gray clay	51	136
Gray, laminated clay	4	140
Englishtown Formation:		
Fine, gray sand	6	146
Hard, gray clay	30	176
Fine sand and clay	17	193
Woodbury Clay and Merchantville Formation (undifferentiated):		
Gray clay	79	272
Hard, gray clay	43	315
Magothy and Raritan Formations:		
Fine, gray sand	5	320
Hard, gray clay	2	322
Fine to coarse, gray sand	32	354
Clay	6	360
Fine sand	22	382
Hard, gray clay	24	406

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 74, David D. Griscom
(Log by J. Henry Robbins)

	Altitude 92 feet	
	Thickness (feet)	Depth (feet)
Quaternary:		
Pensauken Formation:		
Yellow clay	20	20
Cretaceous:		
Navesink Formation:		
Black mud	50	70
Undifferentiated:		
Green marl	80	150
Hard, black clay	120	270
Green clay	30	300
Magothy (?) and Raritan (?) Formations:		
Black and gray clay	20	320
Magothy and Raritan Formations:		
White sand	20	340

Well no. 76, Earl R. Blyler
(Log by Charles L. Mollitor, Inc.)

	Altitude 39 feet	
Topsoil	1	1
Quaternary:		
Cape May Formation:		
Medium to coarse, yellow sand	7	8
Medium, brown sand	5	13
Water-bearing, brown sand	7	20
Coarse, brown sand and gravel	8	28
Very coarse sand and gravel	10	38
Cretaceous:		
Magothy and Raritan Formations:		
Grayish-white sandy clay	10	48
Fine, yellow sand, clay, and hardpan	2	50
Fine, yellow sand	11	61
Medium to coarse, dark yellow sand	7	68
White clay with iron-stained sand	2	70
White clay, sand, and hardpan	6	76
Water-bearing, medium to coarse, yellow sand	6	82
Yellowish-white sand	8	90
Medium to coarse, light tan sand	2	92
Coarse, light tan sand with clay	10	102
Water-bearing, medium to coarse, light tan sand and gravel	15	117

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 78, Amico Sand and Gravel Co.
(Log by Paul Steffens)

	Altitude 15 feet Thickness (feet)	Depth (feet)
Quaternary:		
Cape May Formation:		
Sand	3	3
Coarse gravel	3	6
Cretaceous:		
Magothy (?) and Raritan (?) Formations:		
Black clay	9	15
Dirty sand	3	18
Sand and gravel	12	30
Gravel	6	36
Clay	13	49
Early Paleozoic (?):		
Wissahickon Formation:		
Soft rock	26	75

Well no. 80, Holy Cross High School
(Log by Charles L. Mollitor Inc.)

	Altitude 82 feet	
Topsoil	2	2
Cretaceous:		
Magothy and Raritan Formations:		
Yellow sand	4	6
Brown sand	20	26
White clay	6	32
Red clay	11	43
Gray and white clay	6	49
Gray clay	22	71
Dirty, gray sand	48	119
White clay	19	138
White sand	7	145
White clay	8	153
Sand and gravel	21	174

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 81, Holiday Lake
(Log by Charles L. Mollitor, Inc.)

	Altitude 25 feet	
	Thickness (feet)	Depth (feet)
Quaternary (?):		
Cape May (?) Formation:		
Yellow sand	9	9
Sand	12	21
Gravel	4	25
Cretaceous:		
Magothy and Raritan Formations:		
Yellow sand	21	46
Sand	15	61
White clay	4	65
White sand	7	72
Gray clay	13	85
White clay	14	99
White sand	8	107
Muddy sand	6	113
Hard clay	6	119
Muddy sand	10	129
White sand	9	138
White clay	4	142
White sand	4	146
White clay	10	156
Fine sand	5	161
White clay	6	167
Dirty sand	3	170
Sand and gravel	7	177
White clay	10	187
Sand and gravel	11	198

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 88, John H. Cook
(Log by Charles L. Mollitor Inc.)

	Altitude 115 feet Thickness (feet)	Depth (feet)
Topsoil	2	2
Quaternary:		
Pensauken Formation:		
Brown sandy loam	6	8
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Hard, coarse, brown sand with some clay	7	15
Hard, brown sandy clay	16	31
Marshalltown (?) Formation:		
Green marl	14	45
Black clay	25	70
Marshalltown Formation:		
Black to green marl	6	76
Gray sandy clay	16	92
Black clay with some fine sand	40	132
Englishtown Formation:		
Water-bearing, green sand with fossils and wood	16	148

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 89, Turnpike Junction Industrial Park
(Log by A. C. Schultes and Sons)

	Altitude 60 feet	
	Thickness (feet)	Depth (feet)
Cretaceous:		
Woodbury Clay and Merchantville Formation (undifferentiated):		
Brown and gray clay	11	11
Dark gray clay	88	99
Gray clay	7	106
Dark gray clay	4	110
Magothy and Raritan Formations:		
Fine, gray sand	49	159
Dark gray clay	7	166
Fine to medium, gray sand	15	181
Dark gray clay	8	189
Fine to medium, gray sand	12	201
Dark gray clay	4	205
Fine, gray sand	7	212
Red clay	3	215
Fine to medium, gray sand	24	239
Red clay	5	244
Fine to medium, gray sand	5	249
Red clay	4	253
Fine, gray sand	2	255
Red clay	4	259
Fine to medium, gray sand	5	264
Red clay	21	285
Fine, gray sand	28	313
Red clay	3	316
Fine to coarse, gray sand	18	334
Red clay	6	340

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 90, Franklin Tallman
(Log by Charles L. Mollitor Inc.)

	Altitude 82 feet Thickness (feet)	Depth (feet)
Quaternary:		
Cape May Formation:		
Fine, brown sand and loam	6	6
Cretaceous (?):		
Englishtown (?) Formation:		
Hardpan	1	7
Medium, yellow sand	7	14
Water-bearing, medium sand with a thin layer of hardpan	7	21
Brown clay	9	30
Cretaceous:		
Woodbury Clay and Merchantville Formation (undifferentiated):		
Very sticky, gray clay	42	72
Soft, gray clay	18	90
Green marl	18	108
Light gray clay and hardpan	14	122
Black clay	18	140
Fine, gray sandy clay with mica	20	160
Hard, black clay	20	180
Magothy and Raritan Formations:		
Red and white sandy clay	7	187
Sand	8	195

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 91, Ed Phares
(Log by Louis Bainbridge)

	Altitude 92 feet Thickness (feet)	Depth (feet)
Topsoil	18	18
Cretaceous:		
Woodbury Clay:		
Blue and brown clay	27	45
Undifferentiated:		
White clay	50	95
Merchantville Formation:		
Green clay	30	125
Magothy and Raritan Formations:		
White clay	99	224
Red clay	6	230
No sample	27	257
Brown and white clay	10	267
White clay	73	340
Black sand	2	342
White clay	3	345
Gray and white clay with wood	5	350
Gray and white clay	20	370
Blue clay	10	380
White sand	2	382
Soft, white clay	28	410
Red and white clay	1	411
Red clay	11	422
Hardpan	1	423
Red and white clay with hardpan	82	505

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 94, North Burlington Co. Regional Jr.-Sr. High School
(Log by Russell D'Agostino)

	Altitude 83 feet Thickness (feet)	Depth (feet)
Cretaceous:		
Marshalltown Formation:		
Medium, brown sand and clay	30	30
Brown clay	5	35
Englishtown Formation:		
Medium, brown sand	17	52
Brown sand and clay	11	63
Undifferentiated:		
Dark clay	92	155
Gray gravel and clay	5	160
Dark clay	60	220
Merchantville (?) Formation:		
Dark clay with some stones	12	233
Magothy and Raritan Formations:		
Sand	24	256
Fine, brown sand	8	264
Clay	12	276
Fine to coarse sand	34	310
Sand and clay	10	320
Sand and clay with wood	At	320
Sand and clay	16	336
Sand	6	342
Dark clay	8	350

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 95, Ralph R. Parker
(Log by W. R. Clair)

	Altitude 62 feet Thickness (feet)	Depth (feet)
Cretaceous:		
Englishtown Formation:		
Clayey sand	15	15
Water-bearing sand	10	25
Woodbury Clay and Merchantville Formation (undifferentiated):		
Black clay	105	130
Water-bearing, green marl	20	150
Undifferentiated:		
Black clay	130	280
Magothy and Raritan Formations:		
Fine to medium sand	5	285
White clay	75	360
Fine sand	10	370
Coarse sand	10	380

Well no. 97, Peter Martin
(Log by John S. Wrobel)

	Altitude 62 feet	
Tertiary and Cretaceous:		
Vincentown Formation, Hornerstown Sand, and Navesink Formation (undifferentiated):		
Marl	100	100
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Sandstone	20	120
Water-bearing, gray sand	6	126

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 98, William E. Johnson Jr.
(Log by Charles L. Mollitor Inc.)

	Altitude 79 feet	
	Thickness (feet)	Depth (feet)
Topsoil	2	2
Tertiary:		
Hornerstown Sand:		
Dry sand	5	7
Water-bearing, green sand	36	43
Cretaceous:		
Navesink Formation:		
Sandy marl	32	75
Mount Laurel Sand and Wenonah Formation:		
Fine sand	50	125
Marshalltown Formation:		
Black sandy marl:	70	195
Englishtown Formation and Woodbury Clay (undifferentiated):		
Green marl	20	215
Black sandy marl	25	240
Gray marl	5	245
Hardpan and clay	10	255
Sandy marl	8	263
Hardpan and clay	2	265
Black marl	73	338
Merchantville Formation:		
Green marl	37	375
Black marl	12	387
Green marl	13	400
Magothy and Raritan Formations:		
Fine sand	5	405
Clay	15	420
Sand	20	440

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 99, George Aaron
(Log by J. Henry Robbins)

	Altitude 116 feet	
	Thickness (feet)	Depth (feet)
Tertiary:		
Kirkwood Formation:		
Yellow clay and fine sand	80	80
Tertiary and Cretaceous:		
Manasquan and Vincentown Formations, Hornerstown Sand and Navesink Formation (undifferentiated):		
Black clay	70	150
Green clay	170	320
Cretaceous:		
Mount Laurel (?) Sand and Wenonah (?) Formation:		
Green sand	20	340

Well no. 100, William G. Freeman
(Log by J. Henry Robbins)

	Altitude 65 feet	
Tertiary:		
Kirkwood Formation:		
Yellow clay and sand	50	50
Tertiary and Cretaceous:		
Manasquan and Vincentown Formations, Hornerstown Sand, and Navesink Formation (undifferentiated):		
Black clay	100	150
Green clay	110	260
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Green and white sand	15	275

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 102, Albert E. Crisp
(Log by Haines and Moore)

	Altitude 62 feet Thickness (feet)	Depth (feet)
Quaternary:		
Pensauken Formation:		
Sand	8	8
Cretaceous:		
Marshalltown Formation:		
Black clay	24	32
Englishtown Formation, Woodbury Clay and Merchantville Formation (undifferentiated):		
Fine, black sand	7	39
Black clay	86	125
Sand, marl, and clay	24	149
Black clay	28	177
Magothy and Raritan Formations:		
Sand	20	197

Well no. 104, William Haines, Jr.
(Log by Thomas C. Magee, Jr.)

	Altitude 52 feet	
Quaternary:		
Cape May Formation:		
Sand and loam	3	3
Sand and gravel	19	22
Cretaceous:		
Marshalltown Formation:		
Green marl	3	25
Englishtown Formation:		
White sand	30	55

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 105, Roy W. Conrow
(Log by J. Henry Robbins)

	Altitude 37 feet Thickness (feet)	Depth (feet)
Quaternary:		
Cape May Formation:		
Yellow clay	10	10
Cretaceous:		
Englishtown Formation, Woodbury Clay, and Merchantville Formation (undifferentiated):		
Black clay	100	110
Green marl	80	190
Magothy and Raritan Formations:		
White clay and sand	5	195
Sand	10	205

Well no. 107, Thomas P. McGinnis
(Log by J. Henry Robbins)

	Altitude 46 feet	
Cretaceous:		
Marshalltown Formation:		
Yellow clay and sand	20	20
Black clay and sand	50	70
Englishtown Formation:		
White sand	40	110
Woodbury Clay and Merchantville Formation (undifferentiated):		
Black clay	140	250
Magothy and Raritan Formations:		
Fine sand	6	256
White sand	20	276

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 108, Dominic Tuscano
(Log by Gus Hauser)

	Altitude 28 feet Thickness (feet)	Depth (feet)
Cretaceous:		
Englishtown Formation:		
Brown, loamy sand	3	3
Green and brown sand	4	7
Green and brown loamy sand	10	17
Tan loamy sand	7	24
Englishtown Formation, Woodbury Clay, and Merchantville Formation (undifferentiated):		
Gray clay	24	48
Black clay	24	72
Brown and black clay	24	96
Black clay	64	160
Gray and black clay	30	190
Magothy and Raritan Formations:		
Fine, gray sand	2	192
Fine, gray sand with some fine gravel	4	196

Well no. 111, Eva Diamond
(Log by John Wrobel)

	Altitude 73 feet	
Cretaceous:		
Navesink Formation, Mount Laurel Sand, and Wenonah Formation and Marshalltown Formation (undifferentiated):		
No sample	100	100
Marl	20	120
Clay	12	132
Marl	11	143
White sand with some clay	7	150
Marl	6	156
Hard sandstone	4	160
Clay	19	179
Englishtown Formation:		
Clay and black sand	7	186
Water-bearing, black sand with some shells	16	202

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 113, Samuel Dickter
(Log by Charles L. Mollitor Inc.)

	Altitude 50 feet Thickness (feet)	Depth (feet)
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Sand	7	7
Black marl	38	45
Marshalltown Formation:		
Green sandy marl	80	125
Englishtown Formation:		
Sand	10	135
Englishtown Formation, Woodbury Clay and Merchantville Formation (undifferentiated):		
Black marl	20	155
Green sand	5	160
Black marl	50	210
Black sand	2	212
Green marl	36	248
Hardpan	2	250
Green marl	35	285
Magothy and Raritan Formations:		
Sand	15	300

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 116, Charles J. Ruhle
(Log by James L. Ruhle and J. H. Robbins [4/])

	Altitude 57 feet	
	Thickness (feet)	Depth (feet)
Quaternary:		
Pensauken Formation:		
Sand and gravel	3	3
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Yellow sandy clay	17	20
Marshalltown Formation:		
Glauconitic sandy clay	30	50
Englishtown Formation:		
Glauconitic sandy clay, but lighter in color	80	130
Woodbury Clay and Merchantville Formation (undifferentiated):		
Dark clay with fossils	45	175
Lighter-colored clay with fossils	55	230
Magothy and Raritan Formations:		
Water-bearing sand	10	240

[4/] Richards, 1954

Well no. 117, Felix Oliveto
(Log by Paul Steffens)

	Altitude 63 feet	
Topsoil	2	2
Quaternary:		
Pensauken Formation:		
Loam	10	12
Gravel	2	14
Cretaceous:		
Marshalltown Formation:		
Sandy marl	38	52
Englishtown Formation:		
Hardpan and sandy marl	35	87
Woodbury Clay and Merchantville Formation (undifferentiated):		
Marl	130	217
Magothy and Raritan Formations:		
Sand	6	223

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 120, William Breur
(Log by Charles L. Mollitor Inc.)

	Altitude 78 feet	
	Thickness (feet)	Depth (feet)
Topsoil	1	1
Cretaceous:		
Englishtown Formation:		
Yellow sand	8	9
Gravel	4	13
Wet sand	9	22
Green clay	7	29
Dry sand	3	32
Yellow sand	46	78
Woodbury Clay:		
Black marl	26	104
Gray clay	27	131
Sandy marl	7	138
Gray clay	13	151
Merchantville Formation:		
Black marl	6	157
Green marl	29	186
Black marl	28	214
Magothy and Raritan Formations:		
White, sandy clay	29	243
Dirty sand	9	252
White sand	7	259
Coarse sand	5	264
White clay	1	265
Coarse, white sand	7	272

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

(Well no. 122, Joseph E. Rudderow)
(Log by Charles L. Mollitor Inc.)

	Altitude 48 feet Thickness (feet)	Depth (feet)
Topsoil	2	2
Quaternary and Cretaceous:		
Cape May Formation, Mount Laurel Sand, and Wenonah Formation (undifferentiated):		
Hard sand	9	11
Sandy marl with streaks of sand and shells	33	44
Cretaceous:		
Marshalltown Formation:		
Green marl	47	91
Englishtown Formation:		
Sand	2	93
Hardpan	2	95
Sand	5	100
Gray clay	13	113
Water-bearing sand	4	117
Englishtown Formation, Woodbury Clay, and Merchantville Formation (undifferentiated):		
No sample	121	238
Sand	3	241
Marl	27	268
Magothy and Raritan Formations:		
Coarse sand	3	271
Red clay	10	281
Sand	3	284
Red and gray clay	43	327
Sand and gravel	3	330
Gray clay	4	334
Hardpan	25	359
Gray clay	6	365
Hardpan	11	376
Gray clay	5	381
Hardpan	2	383
Gray clay	5	388
Hardpan and sand with wood	16	404
Hardpan	2	406
Streaks of sand and hardpan	7	413
Red and gray clay	26	439
Water-bearing, coarse sand with wood	17	456
Gray clay	1	457

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 126, Pittsburgh Plate Glass Co.
(Log by Layne-New York Co.)

	Altitude 65 feet Thickness (feet)	Depth (feet)
Quaternary:		
Pensauken Formation:		
Red sand	12	12
Cretaceous:		
Woodbury Clay and Merchantville Formation (undifferentiated):		
Blue clay	126	138
Magothy and Raritan Formations:		
Medium to coarse, gray sand	9	147
Tough, blue and gray clay	103	250
Coarse, gray sand and gravel	33	283
Clay	6	289
Coarse, gray sand and gravel	26	315
Clay, coarse, gray sand, and gravel	3	318

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 128, Dunlap Carpet Works [5/]
(Log by C. G. Orcutt)

	Altitude 12 feet Thickness (feet)	Depth (feet)
Cretaceous:		
Marshalltown Formation:		
Dark (marl)	43	43
Englishtown Formation:		
Sand and gravel	3	46
Dark (marl)	61	107
Fine sand	4	111
Woodbury Clay and Merchantville Formation (undifferentiated):		
Dark (marl) or clay	134	245
Magothy and Raritan Formations:		
Gray sand	5	250
Dark sandy clay	12	262
Red clay	11	273
White clay	1	274
Brown sandy clay	20	294
White clay	2	296
Light sandy clay	69	365
Red clay	2	367
Light sandy clay	43	410
Red clay	2	412
Brown clay	18	430
Red clay	6	436
Light sandy clay	6	442
Fine, gray sand	15	457
Sand and clay	52	509
Light sandy clay	37	546
Red clay	14	560
Sandy clay and fine sand	48	608
Yellow clay	3	611
Brown clay	9	620
Red clay	40	660
Fine sand with some brown clay	7	667
Fine and coarse sand and some gravel	8	675

[5/] Smock, 1893, p. 303-304

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 129, Acme Market
(Log by Charles L. Mollitor Inc.)

Altitude 62 feet

	Thickness (feet)	Depth (feet)
Topsoil	1	1
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Yellow sand	25	26
Yellow clay	8	34
Marshalltown Formation:		
Gray marl	11	45
Soft marl	4	49
Brown sand	3	52
Black marl	21	73
Englishtown Formation:		
Muddy sand and clay	12	85
Fine gray sand	8	93
Gray clay	12	105
Fine sand	7	112
Gray clay	9	121
Fine sand	7	128
Woodbury Clay and Merchantville Formation (undifferentiated):		
Gray clay	80	208
Green marl	35	243
Sticky, hard, black marl	35	278
Magothy and Raritan Formations:		
White clay	2	280
Gray marl	3	283
Hard, red clay	19	302
White clay	32	334
Gray clay	40	374
Hard, white clay	18	392
Sandy clay	21	413
Sticky, red clay	8	421
Gray clay	14	435
Sandy clay	16	451
Sand	6	457
Sand	13	470
Gray clay	2	472
Sand	2	474
Gray clay	16	490
Sand	1	491
Clay	5	496
Sand	1	497
Clay	1	498
Sand	7	505
White clay	10	515
Sand	7	522
Clay	2	524
Sand	21	545
Clay	1	546

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 130, Jacobstown Baptist Church
(Log by Andrew White)

	Altitude 175 feet Thickness (feet)	Depth (feet)
Quaternary, Tertiary, and Cretaceous:		
Pensauken, Kirkwood, and Vincentown Formations (undifferentiated):		
Yellow sandy clay	48	48
Hornerstown and Red Bank Sands, and Navesink Formation (undifferentiated):		
Light-brown marl	17	65
Dark-green marl	22	87
Black clay and sand	13	100
Gray clay and black sand with some shells	20	120
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Black sand with some fine gravel and shells	8	128
Gray to black sand with some fine gravel and shells	12	140

Well no. 131, Jersey Central Power and Light Co.
(Log by Greenhalgh and Kaye)

	Altitude 88 feet	
Tertiary:		
Vincentown Formation:		
Yellow sand	8	8
Gray clay and sand	32	40
Tertiary and Cretaceous:		
Hornerstown and Red Bank (?) Sands, and Navesink Formation (undifferentiated):		
Dark-green and black marl	60	100
Light-green marl	10	110
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Sand with shells	11	121

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 132, Edward H. Gancarz
(Log by Greenhalgh and Kaye)

	Altitude 121 feet Thickness (feet)	Depth (feet)
Cretaceous:		
Mount Laurel Sand, Wenonah and Marshalltown Formations (undifferentiated):		
Black and green marl	30	30
Yellow sandy clay	10	40
Black clay	80	120
Englishtown Formation:		
Fine, gray sand	25	145
Coarse, gray sand with limestone and ironstone	12	157

Well no. 134, Spartan Village, Inc.
(Log by Louis Bainbridge and Charles L. Mollitor Inc.)

	Altitude 154 feet	
Quaternary and Tertiary:		
Bridgeton and Kirkwood Formations.(undifferentiated):		
Dry sand	25	25
Tertiary:		
Vincentown Formation:		
Brown clay	3	28
Black marl	15	43
Black sandy marl	17	60
Tertiary and Cretaceous:		
Hornerstown Sand and Navesink Formation (undifferentiated):		
Green marl with shells	70	130
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Black and white sand	20	150
Wenonah and Marshalltown Formations (undifferentiated):		
Green clayey marl	130	280
Englishtown Formation:		
Brown clay with some pyrite, wood, and brown sand	7	287
Hard, brown clay	18	305
Englishtown Formation and Woodbury Clay (undifferentiated):		
Hard, blue to brown clay	60	365
Hard, gray sand and sandy clay	30	395

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 136, B. F. Goodrich Co.
(Log by Paul Steffens)

	Altitude 34 feet Thickness (feet)	Depth (feet)
Quaternary:		
Cape May Formation:		
Sand	10	10
Sand and gravel	4	14
Cretaceous:		
Magothy and Raritan Formations:		
Gray clay	17	31
Black hardpan	2	33
Muddy sand	8	41
White clay	11	52
Muddy sand and gravel	6	58
White clay	17	75
Sand and gravel	3	78
Brown clay	1	79
Fine gravel	2	81
Dirty sand	4	85
Dirty sand and gravel	21	106
Brown sandy clay	1	107
Sand and gravel	17	124
Sandy clay	5	129
White clay	5	134
Sand and gravel	3	137
White clay	4	141
Sand	6	147
Sandy clay	8	155
Reddish-brown clay	2	157
Early Paleozoic (?):		
Wissahickon Formation:		
Soft rock	5	162

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 138, Riverside-Alloy Metal Co.
(Log by Ridpath and Potter)

	Altitude 18 feet	
	Thickness (feet)	Depth (feet)
Quaternary and Cretaceous:		
Cape May, Magothy and Raritan Formations (undifferentiated):		
Fine to coarse sand, clay, and some gravel	120	120
Early Paleozoic (?):		
Wissahickon Formation:		
Mica gneiss	680	800

Well no. 140, Jane Tabone
(Log by Charles L. Mollitor Inc.)

	Altitude 130 feet	
Quaternary and Tertiary:		
Bridgeton and Kirkwood Formations (undifferentiated):		
Yellow sand and gravel	22	22
Red sand and gravel	26	48
Tertiary:		
Kirkwood Formation:		
Yellow sand	22	70
Black mud	5	75
Muddy sand	30	105
Manasquan Formation:		
Green marl	25	130
Vincentown Formation:		
Green and black sand	10	140

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 141, A. F. Brunt
(Log by Charles L. Mollitor Inc.)

	Altitude 83 feet	
	Thickness (feet)	Depth (feet)
Topsoil	1	1
Tertiary:		
Kirkwood Formation:		
Yellow sand	4	5
Gray sand	24	29
Tertiary and Cretaceous:		
Manasquan and Vincentown Formations, Hornerstown Sand and Navesink Formation (undifferentiated):		
Sandy marl	14	43
Soft, black marl	9	52
Sandy marl	6	58
Green marl	22	80
Soft marl	2	82
Green sandy marl	5	87
Hard, green clay	9	96
Green marl	42	138
Black sand with some shells	4	142
Green marl	17	159
Black marl	42	201
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Sand with shells	9	210

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 143, Mr. Reilley
(Log by Henry B. Kummel [6])

	Altitude 70-80 feet Thickness (feet)	Depth (feet)
Tertiary:		
Kirkwood (?) Formation:		
Sand and gravel	10	10
Kirkwood Formation:		
Brown sandy clay	50	60
Tertiary and Cretaceous:		
Manasquan and Vincentown Formations, Hornerstown Sand and Navesink Formation (undifferentiated):		
Greenish clay with some marl and a trace of lignite and pebbles	80	140
Greensand (glauconite) marl	80	220
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Fine, gray sand with some marl at the top and bottom	110	330
Coarse, yellow sand with shells, clay, and very micaceous dark sand	20	350
Marshalltown Formation:		
Black sandy clay	20	370
Very fine, greenish-black micaceous sand with glauconite	10	380
No sample	10	390
Englishtown Formation:		
Fine, gray quartz sand	10	400
Fine quartz sand with some glauconite	20	420
Water-bearing, coarse quartz sand	10	430

[6] Kummel, 1910, p. 85-90

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 144, Joseph O'Neill
(Log by A. C. Schultes and Sons)

	Altitude 91 feet Thickness (feet)	Depth (feet)
Tertiary:		
Kirkwood Formation:		
Sand and gravel	60	60
Yellow sandy clay	20	80
Manasquan Formation:		
Green marl	38	118
Tertiary and Cretaceous:		
Vincentown Formation, Hornerstown Sand, and Navesink Formation (undifferentiated):		
Hard sand	2	120
Green clay	25	145
White sand	4	149
Clay and green marl	26	175
Green marl	6	181
Clay and green marl	52	233
Green marl and sand with shells	27	260
Green marl	15	275
Green marl with some sand	16	291
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Sand and gravel	9	300
Clayey sand	19	319
Medium and coarse sand	18	337

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 145, Country Lakes Inc.
(Log by Charles L. Mollitor Inc.)

	Altitude 82 feet Thickness (feet)	Depth (feet)
Tertiary:		
Kirkwood Formation:		
White sand	2	2
Brown sand	26	28
Sandy marl	23	51
Fine, dirty sand	11	62
Sandy marl	7	69
Clay	16	85
Sandy clay	21	106
Tertiary and Cretaceous:		
Manasquan and Vincentown Formations, Hornerstown Sand, and Navesink Formation (undifferentiated):		
Green marl	63	169
Sand	11	180
Sticky, green marl	80	260
Green marl with shells	61	321
Cretaceous:		
Mount Laurel (?) Sand and Wenonah (?) Formation:		
Gray sandy clay	8	329
Mount Laurel Sand and Wenonah Formation:		
Sand with shells	16	345

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 148, Helis Stock Farm (Log by William Blaisdell and Orcutt Bros. 7/)	Altitude approx. 70 feet Thickness (feet)	Depth (feet)
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Water-bearing, yellowish loamy sand	14	14
Fine sand with dark mud	34	48
Marshalltown Formation:		
Stiff, black sandy clay	24	72
Water-bearing, fine, muddy sand	1	73
Stiff, black sandy clay	9	82
Englishtown Formation:		
Water-bearing, fine sand with scattered layers of sandstone, clay, and shells	34	116
Black sandy clay	1	117
Water-bearing, fine sand	7	124
Black sandy clay	1	125
Water-bearing, fine sand	3	128
Woodbury Clay and Merchantville Formation (undifferentiated):		
Dark sandy clay with scattered layers of sandstone and shells	50	178
Dark sandy clay and scattered layers of sandstone, shells, and wood	128	306
Magothy and Raritan Formations:		
Fine sand with some gravel and brown clay	8	314
Red and white clay	24	338
Sand and sandstone with considerable wood and some clay	18	356
No sample	11	367
Fine sand	3	370
Coarse sand which yields some water	17	387
Coarse gravel	3	390
Fine sand	5	395
White clay	5	400
White sand and some coarse gravel	10	410
Fine, white sand	22	432
Dark micaceous sand	8	440
Hard clay	11	451
Coarse, dark sand and red clay	8	459
Fine, white sand	20	479
Dark clay	4	483
White and red clay	12	495
Sand	2	497
White, red and dark clay	78	575
Sand	13	588
Coarse, white sand with clay	12	600
Coarse sand and gravel	3	603
Fine sand	16	619
Clay	25	644
Sand	7	651
White clay	13	664
Sand	15	679
White clay	2	681
Gravel and coarse sand	9	690
Red and white clay	25	715
Sand	At	715

7/ Smock, 1893, p. 305-306

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 149, Kauffman and Minteer Inc.
(Log by Charles L. Mollitor Inc.)

	Altitude 74 feet	
	Thickness (feet)	Depth (feet)
Fill	1	1
Topsoil	1	2
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Dirty sand	17	19
Mount Laurel (?) Sand and Wenonah (?) Formation:		
Sandy marl	39	58
Marshalltown Formation:		
Marl	36	94
Englishtown Formation:		
Sand and gravel	13	107

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 151, Helis Stock Farm
(Log by Ridpath and Potter)

	Altitude 96 feet	
	Thickness (feet)	Depth (feet)
Tertiary and Cretaceous:		
Undifferentiated:		
Green sandy marl with some cemented sand	342	342
Soft, dark clay	69	411
Cretaceous:		
Magothy and Raritan Formations:		
Hardpan with layers of light-colored sand	29	440
Hardpan with wood	18	458
Hardpan with some thin streaks of sand	40	498
Water-bearing, light-colored sand	10	508
Hardpan	14	522
Hard, dark clay	39	561
Very fine, light-colored sand	18	579
Tough, dark clay	4	583
Fine, brown sand	4	587
Clay and hardpan	26	613
Dark sand	2	615
Very hard, white clay	5	620
Hard, red clay	87	707
Red and white clay	7	714
Fine, white sand	3	717
Hard, white clay	6	723
Hardpan	21	744
Clay	27	771
Hardpan	11	782
Clay and hardpan	27	809
Light-colored sand	5	814
White clay	3	817
Red clay	78	895
Sand	1	896
Hardpan	7	903
Clay	25	928
Fine sand	6	934
Hardpan	16	950
Sandy clay	10	960
Hardpan	3	963
No sample	24	987
Early Paleozoic (?):		
Wissahickon (?) Formation:		
Hard sandstone, probably weathered bedrock	1	988

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 152, Ridge Stables
(Log by Paul Steffens)

	Altitude 41 feet	
	Thickness (feet)	Depth (feet)
Quaternary:		
Cape May Formation:		
Loam	22	22
Cretaceous:		
Englishtown Formation:		
Sand	29	51
Woodbury Clay and Merchantville Formation (undifferentiated):		
Marl	165	216
Magothy and Raritan Formations:		
Sand with wood and streaks of clay	14	230

Well no. 155, Tallman Brothers, Inc.
(Log by W. R. Clair)

	Altitude 42 feet	
Quaternary:		
Cape May Formation:		
Fine sand	18	18
Yellow clay	6	24
Cretaceous:		
Englishtown Formation:		
Fine sand	28	52

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 157, Ross Monroe
(Log by Harvey Beebe Sr.)

	Altitude 46 feet Thickness (feet)	Depth (feet)
Yellow topsoil	6	6
Quaternary:		
Cape May Formation:		
Gravel	6	12
Tertiary:		
Kirkwood Formation:		
Black clay	9	21
Tertiary and Cretaceous:		
Manasquan and Vincentown Formations, Hornerstown Sand, and Navesink Formation (undifferentiated):		
Marl	136	157
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Black and white sand	80	237
Marshalltown Formation:		
Hardpan	11	248

Well no. 158, Hampton Lakes Development Co.
(Log by Charles L. Mollitor Inc.)

	Altitude 49 feet	
Loamy topsoil	2	2
Quaternary:		
Cape May Formation:		
Sand	8	10
Tertiary:		
Kirkwood Formation:		
Brown sandy marl	36	46
Black marl	13	59
Manasquan and Vincentown Formations and Hornerstown Sand (undifferentiated):		
Light-green marl	83	142
Dark-green marl		163
Cretaceous:		
Navesink Formation:		
Black marl with shells	6	169
Black marl	29	198
Navesink (?) Formation:		
Sandy marl with sand streaks	47	245
Mount Laurel Sand and Wenonah Formation:		
Sand with shells and clay streaks	23	268

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 159, Vincentown Diner
(Log by Edward Robbins Sr.)

	Altitude 72 feet Thickness (feet)	Depth (feet)
Tertiary and Cretaceous:		
Hornerstown Sand and Navesink Formation (undifferentiated):		
Black clay	80	80
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Sand with iron oxide stains	40	120
Marshalltown Formation:		
Black clay	110	230
Englishtown Formation:		
Sand	20	250

Well no. 160, Frank Mayo
(Log by Greenhalgh and Kaye)

	Altitude 140 feet	
Tertiary:		
Cohansey Sand:		
Yellow sand and gravel	20	20
Clay and gravel	10	30
Black clay	15	45
Gravel	10	55
Clay	5	60
Yellow and red sand and clay	9	69

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 162, A. Marone
(Log by Charles L. Mollitor Inc.)

	Altitude 40 feet	
	Thickness (feet)	Depth (feet)
Topsoil	2	2
Cretaceous:		
Englishtown Formation:		
Yellow sand	14	16
Englishtown (?) Formation:		
Soft, gray marl	41	57
Woodbury Clay and Merchantville Formation (undifferentiated):		
Gray clay	53	110
Green marl	84	194
Magothy (?) and Raritan (?) Formation:		
Gray marl	41	235
Magothy and Raritan Formation:		
Sand	30	265

Well no. 165, Alexander Construction Co.
(Log by Paul Steffens)

	Altitude 57 feet	
Loamy topsoil	4	4
Cretaceous:		
Englishtown Formation:		
Dry sand	3	7
Water-bearing sand and gravel	9	16
Sandy marl	32	48
Brown sand	7	55
Woodbury Clay and Merchantville Formation (undifferentiated):		
Marl	136	191
Magothy and Raritan Formations:		
Dark-gray clay	11	202
Coarse sand and gravel	13	215

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 166, John S. Pew
(Log by Charles L. Mollitor Inc.)

	Altitude 79 feet	
	Thickness (feet)	Depth (feet)
Topsoil	1	1
Cretaceous:		
Englishtown Formation:		
Yellow sand	42	43
Woodbury (?) Clay:		
Gray marl	32	75
Woodbury Clay and Merchantville Formation (undifferentiated):		
Hard, black marl	49	124
Gray marl	12	136
Green marl	13	149
Soft, gray marl	5	154
Green marl	9	163
Gray marl	48	211
Magothy and Raritan Formations:		
Sand	17	228

Well no. 169, John W. Hampton
(Log by Charles L. Mollitor Inc.)

	Altitude 55 feet	
Topsoil	1	1
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Sand	34	35
Marshalltown Formation:		
Marl	93	128
Hardpan	2	130
Englishtown Formation:		
Muddy sand	18	148
Sand	12	160

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 171, Ionac Chemical Co.
(Log by A. C. Schultes and Sons)

	Thickness (feet)	Altitude 30 feet Depth (feet)
Quaternary:		
Cape May Formation:		
Fine to coarse, brown sand and gravel	10	10
Tertiary and Cretaceous:		
Hornerstown Sand and Navesink Formation (undifferentiated):		
Green marl	40	50
Dark-gray clay	15	65
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Sand with shells	7	72
Dark-gray clay	5	77
Fine to coarse, green sand	15	92
Dark-gray clay	11	103
Fine to medium, gray sand	33	136
Dark-gray silty clay	12	148
Fine, greenish-gray sand	7	155
Marshalltown Formation:		
Gray silty clay	37	192
Dark-gray clay	11	203
Englishtown Formation:		
Fine, gray sand	7	210
Hardpan	1	211
Fine, gray sand	8	219
Gray silty clay	13	232
Fine, gray sand	6	238
Gray, silty clay	19	257
Woodbury Clay:		
Dark gray clay	65	322
Gray silty clay	34	356
Merchantville Formation:		
Hardpan	2	358
Dark gray clay	16	374
Hardpan	15	389
Dark gray clay	25	414
Magothy and Raritan Formations:		
Fine, gray clay	15	429
Gray silty clay	9	438
Hard, red clay	24	462
Sand	4	466
Red clay	17	483
Sand	7	490
Fine to medium, variegated sand	31	521
Red clay	1	522
Sand	1	523

(Continued)

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 171, Ionac Chemical Co.
(Log by A. C. Schultes and Sons)
(Continued)

Cretaceous – Continued: Magothy and Raritan Formations – Continued:	Thickness (feet)	Depth (feet)
Hardpan	1	524
Red clay	5	529
Hardpan	11	540
Sand	9	549
Red and white clay	14	563
Fine, gray clay	6	569
Sandy clay	5	574
Red clay	2	576
Gray sandy clay with shells	2	578
Sand	10	588
Fine, gray sand	6	594
Sand	6	600
Fine, gray sand	18	618
Gray clay with shells	2	620
Sand	4	624
Fine, variegated sand	7	631
Hardpan	1	632
Gray clay with shells	21	653
Fine sand	3	656
Gray clay with shells	15	671
Hardpan	2	673
Dark gray silty clay	29	702
Hardpan	1	703
Sandy clay	13	716
Fine, gray sand	5	721
Sandy clay	4	725
Gray sand	2	727
Red and gray clay	21	748
Fine sand	26	774
Red clay	8	782
Hardpan	1	783
Gray and red sandy clay	7	790
Sand	4	794
Sandy clay	1	795
Sand	2	797
Hard, red clay	1	798
Sand	10	808
Fine to medium sand	19	827
Red clay	13	840
Fine sand	11	851
Red clay	38	889
Sand	1	890
Hardpan	1	891
Red clay	19	910
Fine sand	11	921

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 172, Burlington Co. Institution No. 1
(Log by Layne-New York Co., Inc.)

	Altitude 59 feet Thickness (feet)	Depth (feet)
Tertiary:		
Kirkwood Formation:		
Topsoil (?)	23	23
Sand	21	44
Tertiary and Cretaceous:		
Manasquan and Vincentown Formations, Hornerstown Sand and Navesink Formation (undifferentiated):		
Sand and clay	22	66
Blue clay	144	210
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Black sand	42	252
Marshalltown Formation:		
Black sand and clay	107	359
Englishtown Formation:		
Sand and gravel	41	400
Clay	21	421
Clay	42	463
Woodbury Clay and Merchantville Formation (undifferentiated):		
Blue marl	151	614
Magothy and Raritan Formation:		
Gravel and clay	20	634
Tough clay	41	675
Clay	27	702
Gray sand	10	712
Clay	58	770
Early Paleozoic (?):		
Wissahickon Formation:		
Rock	6	776

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 178, William C. Rahilly
(Log by Greenhalgh and Kaye)

	Altitude 195 feet	
	Thickness (feet)	Depth (feet)
Quaternary and Tertiary:		
Bridgeton Formation, Cohansey Sand, and Kirkwood Formation (undifferentiated):		
Hard, fine, yellow sand and clay	49	49
Tertiary:		
Vincentown Formation and Hornerstown Sand (undifferentiated):		
Yellow clay	11	60
Green marl	40	100
Cretaceous:		
Navesink Formation:		
Black marl	18	118
Black clay with lignite and shells	22	140
Mount Laurel Sand and Wenonah Formation:		
Green sand with shells and clay	18	158

Well no. 181, Wrightstown Municipal Utility Authority
(Log by (unknown) [8/])

	Altitude 120 feet	
Tertiary:		
Kirkwood and Vincentown Formations (undifferentiated):		
Sandy clay	60	60
Tertiary and Cretaceous:		
Undifferentiated:		
Sand and clay with shells	130	190
Clay	56	246
Cretaceous:		
Englishtown Formation:		
Water-bearing, medium glauconitic sand	8	254
Clayey sand	14	268

[8/] Richards, 1948, p. 39-76

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 183, Charles B. Hutchinson
(Log by Charles L. Mollitor Inc.)

	Altitude 180 feet Thickness (feet)	Depth (feet)
Tertiary:		
Cohansey Sand and Kirkwood Formation (undifferentiated):		
Loam	13	13
Sand with large gravel	14	27
Sandy clay	8	35
Vincentown Formation and Hornerstown Sand:		
Green marl	55	90
Cretaceous:		
Navesink Formation:		
Black marl	30	120
Green marl	2	122
Mount Laurel Sand and Wenonah Formation:		
Green sand with shells	12	134

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 185, Joseph J. White Inc.
(Log by Ridpath & Potter)

	Altitude 95 feet Thickness (feet)	Depth (feet)
Tertiary and Cretaceous:		
Cohansey Sand and Kirkwood Formation (undifferentiated):		
Soil (?)	15	15
Fine, yellow sand with some coarse, angular grains	10	25
Coarse, angular quartz sand	5	30
Fine, gray micaceous sand	At	75
Very fine, gray sand with much mica	At	100
Fine, dark-gray sand with some dark-brown clay	At	115
Manasquan and Vincentown Formations, Hornerstown Sand, and Navesink Formation (undifferentiated):		
Glauconite marl with some quartz sand and mica	At	132
Glauconite marl	At	150
Glauconite marl with some white clay and white quartz sand	At	207
Light-green sandy clay with a little glauconite	At	310
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Fine, gray sand with a little lignite	At	341
Coarse, black and white glauconitic sand with shell fragments	At	380
Marshalltown Formation:		
Yellowish gray glauconitic sand	At	400
Fine, gray glauconitic sand with some mica	At	440
Fine, gray glauconitic sand with some mica	At	450
Englishtown Formation:		
Medium-yellow sand with some glauconite and mica	At	535
Medium-yellow sand with some glauconite and mica	15	550
Woodbury Clay and Merchantville Formation (undifferentiated):		
Very fine, dark-gray sand with glauconite and mica	At	700
Very fine, dark-gray sand with glauconite and mica	25	725
Very fine, dark-gray sand and sandy micaceous clay	At	730
Fine, dark-gray, sand with much glauconite and mica	At	800

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 186, Joseph J. White Inc.
(Log by J. W. Jenkins)

	Altitude 95 feet Thickness (feet)	Depth (feet)
Tertiary:		
Cohansey Sand:		
Fine, yellow sand	52	52
Kirkwood Formation:		
Fine, gray sand with clay	86	138
Manasquan Formation:		
Hard, dark-green clay	14	152
Dark-green clay with black sand	18	170
Vincentown Formation:		
Light-green clay	58	228
Tertiary and Cretaceous:		
Hornerstown Sand and Navesink Formation (undifferentiated):		
Dark-green clay with black sand and shells	11	239
Dark-brown clay with shells and black sand	57	296
Green clay with some black sand	24	320
Dark-green and black clay, and black sand with shells	25	345
Cretaceous:		
Mount Laurel Sand and Wenonah Formation:		
Sand	20	365
Water-bearing, fine to medium sand	23	388

Well no. 196, Taunton Lakes Water Co.
(Log by J. Henry Robbins)

	Altitude 57 feet	
Tertiary:		
Kirkwood Formation:		
Yellow clay	25	25
Black clay	55	80
Manasquan and Vincentown (?) Formations and Hornerstown Sand (undifferentiated):		
Green clay	120	200
Cretaceous:		
Navesink Formation:		
Black clay	20	220
Undifferentiated:		
Green clay and fine sand	10	230
Mount Laurel Sand and Wenonah Formation:		
Green and white sand	22	252

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 198, Riverton-Palmyra Water Company
(Log by A. C. Schultes and Sons)

	Altitude 79 feet Thickness (feet)	Depth (feet)
Quaternary:		
Cape May Formation:		
Fine, brown sand	4	4
Fine, brown clayey sand	2	6
Fine, brown sand	6	12
Cretaceous:		
Merchantville Formation:		
Clay	7	19
Magothy and Raritan Formations:		
Fine to medium, brown sand	6	25
Medium to coarse, brown sand	5	30
Sand, clay, and stones	7	37
Sand and clay	2	39
Gravel and clay	1	40
Medium to coarse sand	4	44
Gravel	2	46
Fine to coarse sand	4	50
Gravel and clay	4	54
Sandy clay	5	59
Fine sand	4	63
Coarse sand and gravel	2	65
Clay and sand	11	76
Medium sand	1	77
Clay and sand	8	85
Coarse gravel and sand	3	88
Sandy clay	10	98
Clay and gravel	4	102
Clay and sand	4	106
Brown sand	12	118
Coarse gravel	5	123
Clay	1	124
Brown sand and gravel	25	149
Sand and clay	6	155
Gravel and sand	5	160
Sandy clay	5	165
Sand and gravel	14	179
Gravel and sand	9	188
Gravel and clay	2	190
White clay	4	194
Sand and gravel	6	200

(Continued)

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 198, Riverton-Palmyra Water Company
(Log by A. C. Schultes and Sons)
(Continued)

	Thickness (feet)	Depth (feet)
Cretaceous – Continued:		
Magothy and Raritan Formations – Continued:		
Clay and sand	11	211
White clay	6	217
Sandy clay	1	218
Sand and clay	14	232
Sand	5	237
Sand and clay	12	249
Sand and gravel	9	258
Clay and gravel	1	259
Sand and gravel	6	265
Medium to coarse, brown sand with some gravel	6	271
Medium to coarse, brown sand and gravel	11	282
Red clay	5	287
Very hard, brown and white clay	2	289
Coarse gravel	13	302
Early Paleozoic (?):		
Wissahickon Formation:		
Stones, gravel, and weathered, micaceous rock	2	304
Rock with some sand	2	306
Weathered rock		308

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 199, Moorestown Township Water Department
(Log by Layne-New York Co., Inc.)

	Thickness (feet)	Altitude 59 feet Depth (feet)
Cretaceous:		
Englishtown Formation:		
Yellow sand	8	8
Undifferentiated:		
Gray clay with hard streaks	84	92
Magothy and Raritan Formations:		
Gray clay	48	140
Red, white, and gray clay	10	150
Gray clay with hard streaks	70	220
Coarse, gray sand	12	232
Tough clay	4	236
Coarse, gray sand	19	255
Coarse, gray clayey sand	20	275
Medium to coarse sand with pebbles	68	343
Red and white variegated clay	17	360

Well no. 201, Cedar Bridge Fire Tower
(Log by J. Henry Robbins)

		Altitude 200 feet
Tertiary:		
Cohansey Sand:		
Yellow clayey sand with small pebbles	30	30
Layers of light-gray to buff clay and sand	30	60
Fine to coarse, yellow clayey sand with small pebbles	10	70
Fine to coarse, yellow clayey sand	30	100
Light-gray clay with thin sand layers	10	110

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 202, Inductotherm Corporation
(Log by Charles L. Mollitor Inc.)

	Altitude 65 feet Thickness (feet)	Depth (feet)
Cretaceous:		
Englishtown Formation:		
Clay	4	4
Sand	39	43
Woodbury Clay and Merchantville Formation (undifferentiated):		
Gray marl	37	80
Black clay	58	138
Green marl	70	208
Magothy and Raritan Formations:		
Gray sandy clay	4	212
Water-bearing sand	6	218
Red clay	16	234
Gray clay and gravel	13	247
White clay	1	248
Black clay and gravel	36	284
White clay	6	290
Black clay	15	305
White clay	4	309
Red clay	16	325
White clay with sand	20	345
White clay	11	356
Gray clay	7	363
White clay with sand	22	385
Water-bearing sand	1	386
Gray clay	3	389
Sand	4	393
Clay	12	405
Sand	39	444
Gray clay	1	445

Table 3. – Selected drillers' logs of wells in Burlington County, N. J. – Continued

Well no. 208, Mount Laurel Water Company
(Log by A. C. Schultes and Sons)

	Thickness (feet)	Altitude 30 feet Depth (feet)
Quaternary:		
Cape May Formation:		
Topsoil, sand, and gravel	6	6
Cretaceous:		
Marshalltown Formation:		
Gray sandy clay	21	27
Englishtown Formation:		
Fine, gray sand	19	46
Woodbury Clay:		
Gray clay and fine, hard sand	52	98
Merchantville Formation:		
Black marl	94	192
Magothy and Raritan Formations:		
Fine to medium sand	24	216
Fine to coarse, gray sand	10	226
Black clay	28	254
Fine to coarse, gray sand	5	259
White clay	4	263
Fine to coarse gray sand and gravel	34	297
Clay	8	305
Sandy clay	18	323
Clay	6	329
Sand and gravel	30	459
Red clay	5	464
Sandy clay	16	480
Coarse sand and gravel	13	493
Red clay	2	495
Sand and gravel	13	508
Red clay	1	509
Sand, gravel, and clay	8	517
Coarse sand and gravel	38	555
Red clay	3	558
Coarse sand and gravel	21	579
Red clay	3	582
Coarse sand and gravel	12	594
Early Paleozoic (?):		
Wissahickon Formation:		
Weathered rock	1	595

Table 4.--Chemical analyses, in parts per million, of water from wells in Burlington County, N. J.

Source of data: D, driller; NJDH, New Jersey Dept. of Health; O, owner; USGS, U.S. Geological Survey

Map No.	Date of collection	Temperature (°F)	Silica (SiO_2)	Total iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Dissolved solids (residue on evaporation at 180°C)	Hardness as $CaCO_3$		Specific conductance (micromhos at 25°C)	pH	Source of data	Map no.
																Calcium magnesium	Noncarbonate				
3	5-24-51	55	10	0.01	3.6	23	10	14	10	80	38	20	0.2	5.9	203	98	33	318	7.2	USGS	3
5	9- 9-52	----	---	.10	.00	----	----	---	---	12	----	5.0	.0	----	54	28	18	---	5.7	D	5
6	5-22-51	57	8.4	.02	.00	.28	4.5	2.6	5.5	103	12	1.2	.1	.5	113	88	4	190	7.6	USGS	6
7	5-31-61	---	---	15	.18	----	----	---	---	52	----	----	---	---	---	38	0	---	6.9	NJDH	7
8	9-14-54	56	---	.06	---	----	---	14		35	42	9.8	---	16	---	68	39	206	6.3	USGS	8
11	3-22-51	56	27	.17	.10	43	4.0	2.2	5.7	149	7.0	2.6	.4	.3	166	124	2	251	8.2	USGS	11
13	5- 3-51	55	12	.00	.00	8.0	4.4	4.8	1.4	8	14	8.0	.0	21	84	38	32	112	7.1	USGS	13
14	6-19-59	---	9.8	2.4	.05	16	2.8	9.0		68	12	1.8	.1	.2	105	52	0	137	6.5	USGS	14
15	6-19-59	---	11	2.2	.04	16	3.3	8.3		68	11	2.8	.1	.2	85	54	0	140	6.8	USGS	15
16	6-18-59	---	9.8	2.1	.09	14	4.7	6.9		66	12	1.4	.1	.4	100	55	1	134	6.4	USGS	16
18	3- 1-61	---	7.8	2.0	.06	15	2.1	8.2	3.8	64	8.2	5.1	.1	.4	84	46	0	139	7.1	USGS	18
19	3- 1-61	---	8.3	2.8	.09	16	2.6	6.0	3.8	67	8.2	2.5	.0	.8	82	51	0	133	6.8	USGS	19
20	3- 1-61	---	9.8	3.1	.08	17	2.6	6.0	3.8	69	7.6	2.4	.0	.5	84	53	0	135	6.9	USGS	20
21	5-22-51	56	14	.21	.00	26	2.9	2.8	3.9	92	7.0	2.0	.1	.2	100	77	1	167	8.3	USGS	21
23	4-18-58	---	---	9.3	.35	18	6.8	---	---	56	---	6.9	.2	---	104	73	27	---	6.2	O	23
24	6-13-61	56	10	5.2	.05	3.3	1.7	2.2	1.0	16	5.5	2.2	.0	.2	40	15	2	47	6.1	USGS	24
28	6- 4-51	60	9.6	1.1	.00	28	5.2	3.5	6.8	105	20	1.2	.0	2.4	129	91	5	216	7.3	USGS	28
32	5- 3-51	58	11	---	.13	19	3.2	4.5	4.1	47	32	2.4	.1	.4	94	61	22	154	6.6	USGS	32
33	11- 9-54	---	---	.83	.00	75	17	---	---	95	---	2.0	---	---	---	258	180	---	7.2	O	33
35	5-28-51	56	16	.35	.00	44	3.0	2.2	4.3	153	5.0	3.4	.1	.3	156	122	0	253	7.8	USGS	35
36	5- 4-51	59	11	.30	.00	21	5.4	3.3	8.4	107	4.5	2.2	.0	.9	109	75	0	187	7.7	USGS	36
38	1960	---	---	.08	.00	---	---	---	---	113	---	2.0	---	---	112	82	0	---	8.0	D	38
40	1960	---	---	---	.04	---	---	---	---	15	---	9.0	---	---	---	52	40	---	5.6	O	40
41	1-10-61	---	---	.04	---	---	---	---	---	100	---	3.0	.0	---	---	80	0	---	7.8	NJDH	41
45	5- 3-51	55	12	.71	---	3.6	1.5	2.8	.5	3	14	3.2	.0	.8	41	15	13	49	5.6	USGS	45
47	5-24-51	---	---	2.0	---	23	10	14	10	88	38	20	---	5.9	---	98	26	---	7.2	O	47
50	11- 5-54	---	---	1.1	.00	41	13	---	---	98	---	2.0	---	---	---	156	76	---	7.2	O	50
61	8-14-51	56	26	.10	.00	.8	.9	2.9	2.2	1	10	3.1	.0	.1	49	6	5	49	4.7	USGS	61
66	6-13-61	75	18	.60	.03	39	2.9	2.0	6.0	138	5.9	2.8	.1	.4	145	110	0	232	7.7	USGS	66
67	6-13-61	62	9.3	10	.14	17	2.8	2.5	2.5	60	11	2.6	.1	.1	77	54	5	128	6.5	USGS	67
73	11-20-57	---	---	.10	---	33	3.9	7.0	---	113	23	3.0	---	---	---	110	18	---	7.9	D	73
77	11- 6-54	---	---	.06	.00	12	15	---	---	1	---	9.0	---	---	---	52	91	---	5.9	O	77
89	12- 9-58	---	---	4.5	.00	18.4	3.4	7.0	---	57	19	4.0	---	---	---	60	14	---	7.4	D	89
97	6-13-61	65	24	3.7	.06	59	1.3	1.8	2.5	168	18	4.0	.4	.2	205	153	15	305	7.3	USGS	97
118	10-10-57	63	13	.65	.02	38	5.6	2.0	6.7	151	3.5	2.6	.4	.2	141	118	0	239	8.2	USGS	118
124	6-13-61	62	8.8	.72	.02	29	6.4	5.5	13	111	25	1.6	.2	1.0	160	99	8	234	7.5	USGS	124
125	10-10-57	64	17	.87	.06	34	3.2	1.6	4.1	117	7.7	2.4	.4	.0	139	98	2	205	7.3	USGS	125
126	1- 4-60	---	---	16	---	22	24	---	---	46	2.8	2.0	---	---	---	46	8	---	6.3	O	126

Table 4.--Chemical analyses, in parts per million, of water from wells in Burlington County, N. J.--Continued

Map no.	Date of collection	Temperature (°F)	Silica (SiO_2)	Total iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Dissolved solids (residue on evaporation at 180°C)	Hardness as $CaCO_3$		Specific conductance (micromhos at 25°C)	pH	Source of data	Map no.
																Calcium magnesium	Noncarbonate				
131	6-13-61	70	16	.50	0.02	36	2.6	1.8	3.2	120	5.0	3.2	0.1	0.2	140	101	2	203	7.8	USGS	131
136	7-20-59	----	----	----	.00	5.0	3.0	----	----	2	15	5.0	---	----	---	24	23	---	5.8	O	136
149	6-13-61	60	32	11	.21	27	3.2	2.5	4.8	34	18	31	.2	.4	170	81	53	210	6.0	USGS	149
158	1- 7-61	----	----	.16	.00	----	----	----	----	142	----	6.0	.2	.2	136	70	0	---	8.1	NJDH	158
168	11- 8-54	----	----	.02	.00	75	18	----	----	109	----	4.0	---	----	---	260	171	---	7.2	O	168
171	4-27-60	----	9.0	.70	.00	20	4.9	12	---	87	7.0	6.0	---	----	---	70	0	---	8.1	O	171
172	4-23-56	58	9.7	.24	.01	27	4.6	2.7	7.4	112	6.4	2.2	0.1	0.9	118	86	0	196	8.0	USGS	172
173	10- 9-57	59	31	9.8	.11	19	1.1	1.6	4.3	47	18	3.5	.8	.4	116	52	14	129	6.5	USGS	173
174	5-24-51	58	9.8	.68	.45	26	4.6	3.2	6.3	98	15	1.2	.1	.6	113	86	3	190	7.9	USGS	174
175	10- -55	----	----	.15	.01	----	----	----	----	11	----	11	---	----	84	50	41	---	6.2	O	175
176	6-13-61	61	45	1.9	.05	33	3.5	2.5	2.5	108	8.4	3.0	.5	.4	154	97	9	197	6.8	USGS	176
177	6-13-61	64	32	7.2	.09	36	3.0	2.0	7.0	62	28	25	.6	.0	180	103	52	247	6.9	USGS	177
181	5-28-51	55	21	.64	.12	37	1.8	2.0	3.3	121	8.4	2.5	.1	.2	139	100	1	214	8.0	USGS	181
184	6-17-59	----	9.0	.64	.03	23	4.6	8.0		104	7.1	.8	.0	.4	150	77	0	176	7.1	USGS	184
188	5- 2-51	59	6.0	.00	.00	5.2	.0	5.0	.3	10	.0	3.2	1.9	1.9	44	13	5	46	6.9	USGS	188
189	8-14-51	56	4.3	.12	.00	1.3	1.9	2.4	.7	3	4.5	8.2	.0	.3	26	11	9	79	5.0	USGS	189
190	6-21-51	65	6.1	10	.52	2.4	.4	3.0	.9	5	4.2	5.0	.1	.2	25	8	4	35	5.5	USGS	190
191	8-14-51	56	32	.32	.00	1.0	.8	2.5	2.0	2	7.0	3.6	.0	.2	54	6	4	47	4.7	USGS	191
192	8-14-51	59	5.2	.04	.00	.2	.7	2.6	.8	3	.0	4.2	.0	2.1	16	3	1	23	5.5	USGS	192
193	6-21-51	58	2.7	5.7	.38	1.2	1.6	3.1	.6	0	7.5	8.5	.0	.3	29	10	10	63	4.4	USGS	193
194	6-21-51	57	13	.28	.00	22	5.7	5.3	8.5	111	5.0	2.0	.1	.0	115	78	0	192	8.1	USGS	194
195	10- 9-57	55	20	11	.20	5.9	1.0	1.6	1.8	14	10	2.3	.7	.4	50	19	7	57	6.1	USGS	195
196	6-21-51	58	15	.19	.00	26	2.4	2.7	3.7	93	6.5	1.8	.1	.2	106	75	0	165	8.0	USGS	196
198	9-10-59	----	12	.10	.00	----	----	4.0	----	7	.0	5.0	.1	----	---	8	2	---	6.6	D	198
203	6-13-61	69	1.5	.47	.04	1.6	1.0	1.8	.5	2	6.7	2.2	.1	.2	23	8	7	33	4.8	USGS	203
204	6-13-61	56	13	11	.40	13	5.0	4.4	3.0	18	28	7.6	.2	.2	125	53	24	197	5.8	USGS	204
205	6-13-61	57	14	.25	.10	32	2.1	2.0	3.0	106	4.6	2.8	.4	.2	120	89	2	184	7.7	USGS	205
206	6-13-61	59	10	1.2	.03	33	8.9	2.5	7.5	118	28	1.2	.1	.2	160	119	23	257	7.6	USGS	206
207	6-13-61	70	7.8	11	.29	6.5	3.3	1.8	3.2	4	21	7.6	.3	.2	73	30	26	92	5.1	USGS	207

75°00'
74°50'
74°40'
74°30'
40°10'

PENNSYLVANIA

MERCER COUNTY

MONMOUTH COUNTY

OCEAN COUNTY

CAMDEN COUNTY

DELAWARE RIVER

CROSSWICKS CREEK

NEW JERSEY TURNPIKE

RANCOCAS CREEK

PENNSAUKEN CREEK

BRANCH OF PENNSAUKEN

BORDENTOWN

FLORENCE

BURLINGTON

BEVERLY

RIVERSIDE

RIVERTON

PALMYRA

MOORESTOWN

MAPLE SHADE

MOUNT HOLLY

PEMBERTON

BROWNS MILLS

WRIGHTSTOWN

MARLTON

MEDFORD

N

MULLICA

193

208

192

ATSION

ATLANTIC COUNTY

188

CHATSWORTH

72

201

203

BATSTO

61

WADING

190

RIVER

189

PARK WAY

STATE

NEW GRETNA

191

GARDEN

BASS RIVER

BELLANGEE'S CREEK

74° 50'

74° 40'

74° 30'

EXPLANATION

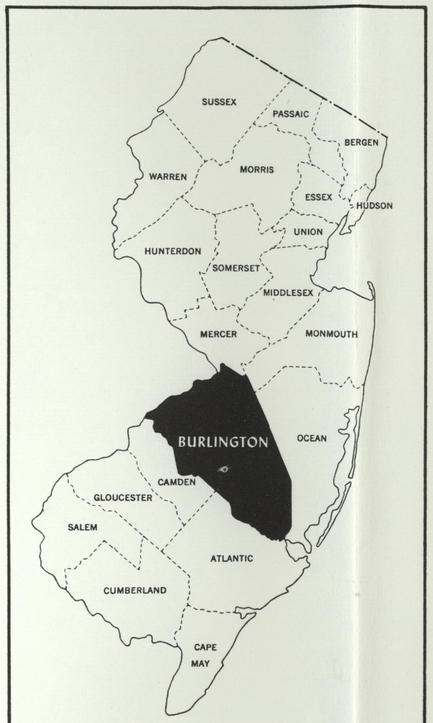
9 U. S. HIGHWAY

70 STATE HIGHWAY

TRAFFIC CIRCLE

01 WELL

(Number refers to well listed in table 2,3 and 4)



Location of Burlington County

SCALE OF MILES

0 1 2 3 4

MAP ADAPTED FROM BURLINGTON COUNTY ENGINEER ROAD MAP

1960