

# DEEP WELLS

OF THE

NEW JERSEY  
COASTAL PLAIN

GEOLOGIC REPORT SERIES NO. 3

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DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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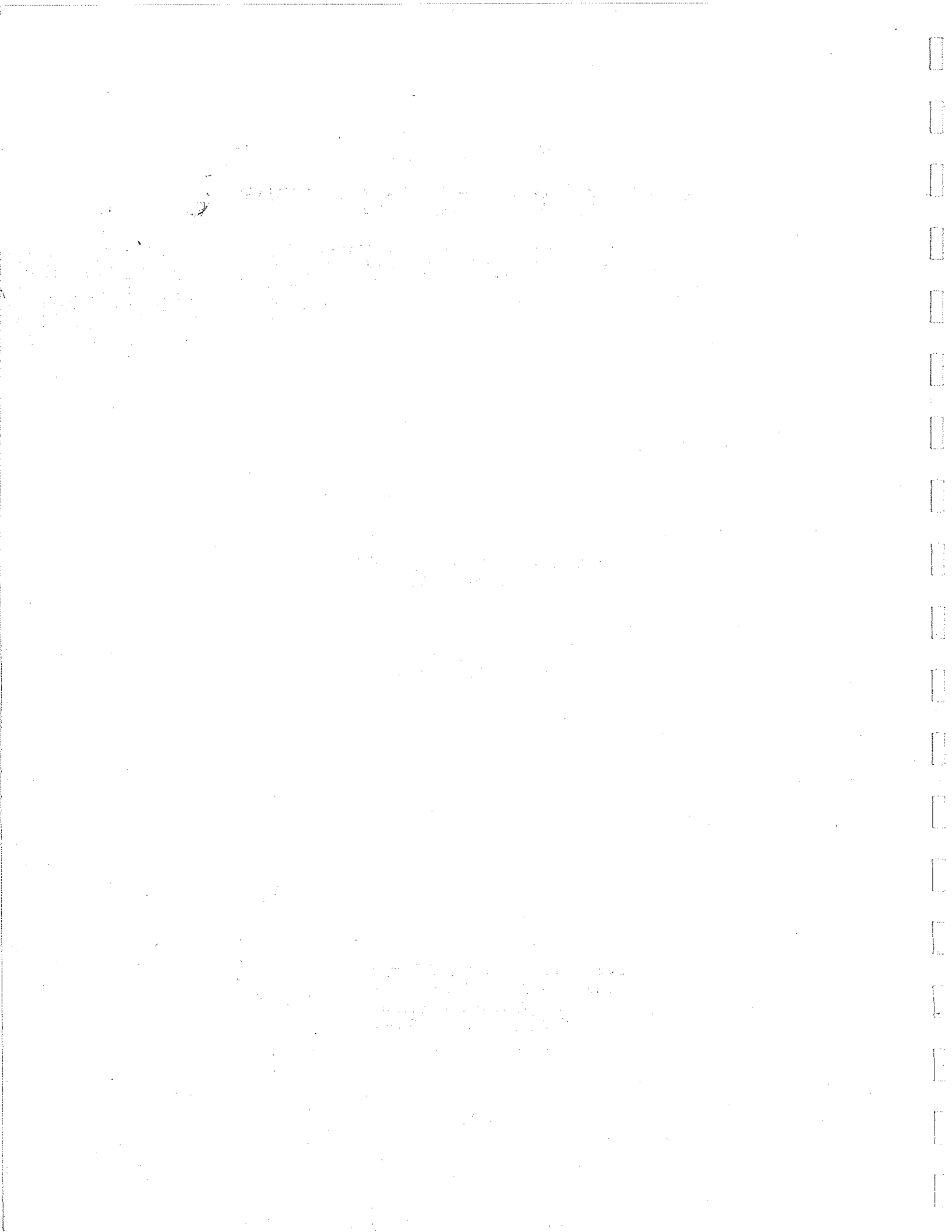
Division of Resource Development  
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DEEP WELLS OF THE NEW JERSEY  
COASTAL PLAIN

by

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## DEEP WELLS OF THE NEW JERSEY COASTAL PLAIN

Early in 1960, members of the staff of the New Jersey Geological Survey began compilation of a comprehensive tabulation of formation logs of the New Jersey Coastal Plain which could be utilized by geologists and laymen.

The objective of the study was to determine the deepest well or deeper wells with adequate well records or logs in each township or municipal subdivision of the Coastal Plain counties. It was felt that the study would serve two purposes: (1) It would indicate the maximum amount of knowledge in any municipal subdivision. (2) It would indicate areas where adequate subsurface information was lacking. Some areas such as State Parks have not been developed and hence contain no wells. Deep wells are also lacking in some of the southern counties where adequate supplies can be obtained from shallow wells in the Cohansey formation.

Several thousand well records and logs from the files of the New Jersey Geological Survey were reviewed and 463 were selected, first on the basis of accuracy and second on the basis of location. Of these wells, the formations penetrated by 394 were correlated by the staff of the New Jersey Geological Survey from samples received from the drillers, from electric logs, or by a combination of driller, electric, or sample logs. The remaining 69 wells were in areas in which the geology was known well enough so that correlations were possible from the drillers' logs. In the accompanying table the type of log is indicated by (S) for sample log, (E) for electric log, and (D) for driller's log.

These wells were plotted on a base map (Atlas Sheet #39, County and Municipality Map) of central and southern New Jersey on a scale of

1:250,000 (approximately 4 miles to an inch). The base map overlay is divided into areas covered by New Jersey Atlas Sheets by heavy black lines. Each of these Atlas Sheets is further divided into the first coordinate number of the rectangular coordinate system used by the New Jersey Geological Survey. The rectangular coordinate system is a standard number form for locations in the state based on the Atlas Sheets. The first number is that of the Atlas Sheet and the second that of the first coordinate or block number. Each full-sized block within an Atlas Sheet covers six minutes of latitude and six minutes of longitude or nine two-minute rectangles. Each rectangle is further subdivided into nine units and each unit into nine parts. The well numbers are out of order on some of the Atlas Sheet tabulations because important wells were added to the map, as received, late in the preparation of this report. However, no trouble should be encountered in locating the wells since they are tabulated by the map and block coordinate numbers.

The second column in the tabulation contains the year in which the well was drilled, or, if a permit was filed, the permit number. The following list gives the permit number of the first permits applied for in a map area for the years 1950, 1955, and 1960. By using this table one may determine the approximate year in which any given well was drilled.

Permit Numbers

<u>Year</u>	<u>Atlas</u>	<u>Atlas</u>	<u>Atlas</u>	<u>Atlas</u>	<u>Atlas</u>	<u>Atlas</u>
<u>Issued</u>	<u># 26</u>	<u>#27</u>	<u># 28</u>	<u># 29</u>	<u># 30</u>	<u># 31</u>
1950	26-141	27-141	28-168	29-78	30-38	31-111
1955	26-1097	27-1500	28-1530	29-1327	30-409	31-1754
1960	26-2169	27-3247	28-3750	29-3106	30-793	31-4019

<u>Year</u> <u>Issued</u>	<u>Atlas</u> <u># 32</u>	<u>Atlas</u> <u># 33</u>	<u>Atlas</u> <u># 34</u>	<u>Atlas</u> <u># 35</u>	<u>Atlas</u> <u># 36</u>	<u>Atlas</u> <u># 37</u>
1950	32-21	33-7	34-13	35-24	36-16	37-11
1955	32-173	33-470	34-218	35-435	36-214	37-91
1960	32-377	33-915	34-458	35-783	36-298	37-212

Most elevations are given as (+) since they are approximate and were taken from the New Jersey Topographic Atlas Sheets (1:63,360), which have a contour interval of ten feet in the Coastal Plain. The Trans-continental Gas Pipeline test wells and Peddie Institute wells were surveyed in from bench marks and are accurate to the nearest foot.

The final column of the tabulations shows the depths at which the various formations were penetrated. The scale of the map is the same as that of the geologic map (Atlas Sheet No. 40) and the overlay may be modified by the user so that one may see which formation lies at the surface or beneath the yellow gravels.

The first letter (or letters) in the final column represents the geologic age of the formation. (Q) stands for the Quaternary period (1,000,000 years old or younger); (T) for the Tertiary period (1,000,000 - 70,000,000 years old); (K) for the Cretaceous period (70,000,000 - 115,000,000 years old); (Tr) for the Triassic (155,000,000 - 190,000,000 years old); and (p) stands for Precambrian (over 500,000,000 years old). Only those geologic time units which are mentioned in the tabulation are given. The second letter or letters in the abbreviation stands for the formation name which is frequently derived from a town near the type locality. All formations are given in order from the surface to the bottom of the hole.

The first number of a log is always (0) which is the top of the hole, not sea level; the second number is the bottom of the first formation. The numbers following the first formation are preceded by a dash. In order to find the thickness of a particular formation, subtract the number preceding the formation from the number preceding the previous formation.

A brief description of the formations and general geology is given below in order that the formation logs will be more useful to those unfamiliar with New Jersey geology.

All of New Jersey southeast of a line through Trenton and Woodbridge (approximately three-fifths of the State), belongs to the Coastal Plain province, whose surface is, in general, a low, broad, flat plain. Over half of the Coastal Plain within the State is less than 100 feet above sea level and the ~~maximum~~ elevation is 391 feet above sea level at Crawfords Hill, Monmouth County. Along the northeastern border of the Coastal Plain lies the Piedmont province whose elevations range from sea level to 913 feet on the Hunterdon Plateau, Hunterdon County. The maximum relief of the Piedmont is about 580 feet in Round Valley, Hunterdon County.

The Coastal Plain is underlain by lightly cohering, but locally cemented, beds of sand, gravel, clay and glauconite sand or greensand marl of Cretaceous, Tertiary, and Quaternary age, which dip gently to the southeast. The lowermost formation, the Raritan, dips seaward 65 - 90 feet per mile and the uppermost non-Pleistocene formation, the Cohansey, dips as little as 10 feet per mile toward the southeast. The intermediate formations have dips between these limits.

Along the Piedmont boundary the Coastal Plain sediments are underlain by Triassic sandstone, shale, and diabase (traprock) as far as the Trenton

area where they are underlain by Precambrian or early Paleozoic schists and gneisses. West of Trenton and beneath the Delaware River, Precambrian and Paleozoic rocks underlie the Raritan formation for an unknown distance. A few miles southeast of the Piedmont the Triassic rocks cease abruptly beneath the unconsolidated sediments so that the Precambrian basement complex underlies most of the New Jersey Coastal Plain.

The Coastal Plain formations lie one on top of another much like a layer cake and generally thicken to the southeast so that they are wedge-shaped. The formations and beds vary considerably along strike and downdip and also horizontally and vertically within the formation so that a bed that is a good water-bearing sand in one area may be silt or clay not far away. As a result of the gentle seaward dip, the formation outcrop areas appear at the surface along the northwest margin of the Coastal Plain. Each formation passes beneath successively younger formations towards the southeast. In other words, the oldest formations appear on the northwest margin of the Coastal Plain and along the Delaware River. The youngest Tertiary formation, the Cohansey, is at the surface in much of the central and southern Coastal Plain. The Quaternary formations (Pleistocene and Recent) will be found overlying most of the Tertiary and Cretaceous formations at one place or another.

All of the wells shown on the index map are located in the Coastal Plain. A few wells passed through the unconsolidated sediments and penetrated Triassic or Precambrian rocks. With the exception of some wells along the northwestern margin, most wells do not penetrate to the basement complex.

The following descriptions apply for the outcrop areas and may or may not, because of weathering or change in lithology, be accurate for the formation beneath the surface. Generally, the changes are more marked



the farther one goes southeast of the outcrop area, or down-dip, and is somewhat less variable along the strike (northeast-southwest). The following description begins with the oldest formation:

COASTAL PLAIN AND UNDERLYING FORMATIONS

<u>Formation</u>	<u>Formation Abbreviation</u>	<u>Thickness (feet)</u>	<u>Lithology</u>
<u>Precambrian and Paleozoic</u>			
Various formations of the basement complex	pc	?	Hard crystalline schists, granites, gneisses, and quartzite.
<u>Triassic</u>			
Brunswick	Trb	6000-8000+	Soft, red shale with interbedded sandstone.
Stockton	Trs	2000-5000	Light-colored, arkosic sandstone and conglomerate with interbedded red sandstone and shale.
Diabase (traprock)	Trdb	Variable (May be over 1000)	Dark, very hard, dense, medium to coarse grained intrusive rock.
<u>Cretaceous</u>			
Lower Cretaceous (Does not outcrop in New Jersey)		±700	This includes sediments called both Patapsco and Patuxent formations of alternating sand and clay present in the subsurface of Salem County and possibly also in Cumberland, Atlantic, and Cape May Counties. Outcrops in Delaware and Maryland.
Raritan <sup>1)</sup>	Kr (Kmr)	150-300+	White, buff, and light-gray sand with interbedded gray, white or red clay. Usually included with the Magothy formation.

<u>Formation</u>	<u>Formation Abbreviation</u>	<u>Thickness (feet)</u>	<u>Lithology</u>
<u>Cretaceous (cont'd)</u>			
Magothy	Km (Kmr)	25-170	Gray to white, fine grained, lignitic sand with thin laminae of clay and thicker gray to black, lignitic clay beds. Usually included with the Raritan formation.
Merchantville	Kmv	50-80	Black, sandy, micaceous clay and silt; glauconitic towards base.
Woodbury	Kwb	50	Dark gray, slightly micaceous clay; very little glauconite.
Englishtown	Ket	20-160 (Thins southwest -20' in Salem Co.; 160' in Ocean Co.)	White, gray, or yellow, sand slightly glauconitic; often micaceous and lignitic with some interbedded clay; becomes silty downdip to the southeast.
Marshalltown	Kmt	20-60 (125' in Ocean Co.)	Black or greenish-black, glauconitic, sandy clay.
Wenonah	Kw (Kmw)	20-40	White, red, brown, black, micaceous, fine sand; becomes finer to the southeast. May contain "ironstone". Usually included with the Mount Laurel.
Mount Laurel	Kml (Kmw)	5-60	Mixture of light-gray and dark-green, medium-coarse, quartzose sand containing varying amounts of glauconite. It has a characteristic salt and pepper appearance. Usually included with the Wenonah.
Navesink	Kns	5-45	Dark-gray to dark-green, clayey, glauconitic sand with varying amounts of quartzose sand. May have a shell bed at base.

<u>Formation</u>	<u>Formation Abbreviation</u>	<u>Thickness (feet)</u>	<u>Lithology</u>
<u>Cretaceous (cont'd)</u>			
Red Bank	Krb	0-140 (Thins to the south-west until it disappears midway across the state in northeastern Burlington Co.)	Yellow to reddish-brown, medium to coarse quartz sand with some glauconite. Locally cemented with iron oxide.
Tinton (Only in Monmouth Co.)	Krb (Kt)	0-21	Gray, clayey glauconitic sand. Included with Red Bank.
<u>Tertiary</u>			
Hornerstown	Tht	20-30	Glauconitic sand and clay. Shell bed frequently at the top.
Vincentown	Tvt	10-140	There are two recognizable facies: 1) calcareous or lime sand, semiconsolidated locally and highly fossiliferous. Predominant in Salem and Burlington Counties; 2) quartz sand with varying amounts of glauconite. Downdip (southeast) sandy beds are cemented or replaced by beds of clay and glauconite.
Manasquan	Tmq	0-40	Green, glauconitic sand, upper part may be very fine sand and greenish white clay, piles of which resemble ashes (ash marl). Includes Shark River formation (Tsr).
<sup>2)</sup> (Sub-Kirkwood - Not a recognized formation)	(Sub-Tkw)	0-? (Does not outcrop; found in well samples in southern-most counties)	Fine to coarse, salt-and-pepper sand with glauconite and green to gray clay.

<u>Formation</u>	<u>Formation Abbreviation</u>	<u>Thickness (feet)</u>	<u>Lithology</u>
<u>Tertiary (cont'd)</u>			
Kirkwood	Tkw	100 along outcrop; thickens considerably down-dip (south-east) to 700 under Delaware Bay	Varies from white, fine sand with gray clay to the southwest to medium-brown sand and chocolate clay to the northeast. Locally lignitic.
Cohansey	Tch	100-250	White to yellow, medium to coarse quartzose sand with local gravel and clay lenses, locally cemented to a hard sandstone in the Vineland area.

Pleistocene

If the Pleistocene formation is not otherwise identified in the well logs, it is classified as Pleistocene (Pleist.).

Beacon Hill (Possibly Tertiary)	Tbh	0-20 (caps highest hills)	Sand and gravel
Pensauken and Bridgeton	Qps and Qbt	0-70	Yellow-brown sand and gravel.
Cape May	Qcm	0-35	Similar to Pensauken.

Seven wells were drilled for oil in the area covered by the map. Two wells, the W. S. Driver Company well (28-33 #67) and the W & K Oil Company well (29-31 #78) had adequate logs and were listed in the tabulation. The Van Horn Oil Company well (drilled in 1947 one mile west of Millstone, Somerset County), and the Belle Mead Oil and Gas Company

well (drilled in 1917 Belle Mead, Somerset County), started and finished in the Brunswick shale to a depth of 2383 feet and 2100 feet respectively.

The Cumberland Oil and Gas Company well (drilled in 1916 three miles east of Millville, 705 feet deep), the East Coast Oil Company well (drilled in 1918 one and one-half miles east of Newport, Cumberland County, 1200 feet deep), the Perron Oil and Gas Company well (drilled in 1915) Cassville, Ocean County, 614 feet deep), were all drilled in the Coastal Plain, but only drillers' logs were available and these could not be correlated accurately.

- 1) In parts of Middlesex and Monmouth Counties, the Raritan formation can sometimes be broken into seven members. They are from top to bottom, the Amboy Stoneware Clay, the Old Bridge Sand (#3 sand), the South Amboy Fire Clay, the Sayreville Sand (#2 sand), the Woodbridge Clay, the Farrington Sand (#1 sand), and the Raritan Fire Clay.
- 2) Sometimes called the Piney Point formation.

COASTAL PLAIN DEEP WELLS

Coord. 26 - 31

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fm.	Formation Depths
1	(1950)	Harold Kuhn	235	±170	S	Trb	0-75 Qtm, -100 Qps, -160 Kr, -235 Trb
2	(1947)	American Cynamid Company	80	± 15	S	Trb	0-50 Qp, -75 Kr, -80 Trb
3	(1949)	Calif. Refining Company	139	± 50	D	Trb	0-10 Qp, -50 Kr (wbg), -139 Kr (#1 sd), at 139 Trb
4	26-1040	Stephen Futo	302	±150	S	Trb	0-60 Qtm, -110 Qps, -170 Kr, -302 Trb

Coord. 26 - 32

7	26-2082	Roselle Plastics Co.	140	± 20	S	Kr	0-40 Pleist, -140 Kr
5	(1918)	R & H Chemical Company	463	± 30	D	Trb	0-20 Qp, -175 Kr, -463 Trb
6	(1940)	Duernal Water Board	129	± 10	S	Trdb	0-18 Qcm, -100 Kr (wbg), -118 Kr (#1 sd), -125 Kr (rf), -129 Trdb

Coord. 26 - 41

COASTAL PLAIN DEEP WELLS

Coord. 27 - 33

<u>Map No.</u>	<u>Permit (year)</u>	<u>Owner</u>	<u>Depth (feet)</u>	<u>Elev. (feet)</u>	<u>Type Log</u>	<u>Bot. Fmn.</u>	<u>Formation Depths</u>
1	27-2789	Delaware River Water Co. #18	111	±15	D	pθ	9-56 Qp/Kr, -60 Kr, -111 pθ
2	-1528	" " #16	58	±15	S	Kr	0-51 Qp/Kr, -56 Kr
3	27-1772	National Gypsum #1	167	±15	D	pθ	0-28 Qcm, -140 Kr, -167 pθ
4	-1773	" #2	157	±15	D	pθ	0-21 Qcm, -31 Qcm/Qps, -140 Kr, -157 pθ
23	27-3357	Walters	130	40	S	Kr	0-40 Pleist, -50 Km, -130 Km
5	27-1583	Riverton-Palmyra Water Co. #8	100	±10	D	pθ	0-84 Qp, -96 Kr, -100 pθ
6	-2694	" " #9	76	±10	D	pθ	0-70 Qp, -76 pθ
7	27-1529	Delaware River Water Company	100	±20	D	pθ	0-39 Qp, -91 Kr, -100 pθ
8	-1840	" " "	140	±10	D	pθ	0-82 Qp, -135 Kr, -140 pθ
9	-1582	Levitt & Sons Inc. #8	250	±30	D	pθ	0-10 Qcm, -235 Kr, -250 pθ
10	-2743	Shell Chem. Company	145	±20	D	pθ	0-65 Qp & Kr, -145 pθ
11	-1650	Levitt & Sons, Inc. #21	280	±15	S	pθ	0-125 Qp & Kr (no samples), -270 Kr, -280 pθ
24	-3474	Bridgeboro School Board	250	±50	S	Kr	0-131 Km, -250 Kr

Coord. 27 - 34

Coord. 27 - 35

Coord. 27 - 42

Coord. 27 - 43

COASTAL PLAIN DEEP WELLS

Coord. 27 - 44

Map No.	Permit (year)	Owner	Adm. #	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
12	27-2249	Levitt & Sons, Inc.	#1	242	±30	D	pθ	0-242 Qp & Kr, at 242 pθ
13	-1689	W. J. Levitt	DCB-28	258	±40	D	pθ	0-253 QP & Kr, -258 pθ
14	-2723	Willingboro Water Company		268	±60	D	pθ	0-268 Qp & Kr, at 268 pθ
15	-1291	Joseph Kadar		242	±75	D	Kmr	0-22 Kmt, -80 Ket, -145 Ket & Kwb, -162 Kmv, -242 Kmr
16	-1453	N. J. Turnpike Authority		220	±85	S	Kmr	0-50 Qps & Ket, -80 Kwb, -160 Kmv, -220 Kmr
17	-1691	W. J. Levitt	DCB-24	267	±20	D	Kr	0-18 Qcm, -79 Km, -267 Kr
18	-1726	Levitt & Sons Inc.,	DCB-25	350	±20	S	pθ	0-15 Qp, -55 Kmv, (no Km), -330 Kr, -350 pθ
19	-1580	Levitt & Sons, Inc.,	DCB-11	390	±30	D	pθ	0-14 Qp, -70 Kmv, -363 Kmr, -390 pθ
20	-1690	W. J. Levitt	DCB-23	363	±35	D	pθ	0-40 Qp, -65 Km, -361 Kr, -363 pθ
21	-1728	W. J. Levitt	DCB-27	415	±40	S	pθ	0-30 Kwb, -80 Kmv, -110 Km, -411 Kr, -415 pθ
22	-1579	Levitt & Sons, Inc.,	DCB-12	526	±55	D	pθ	0-20 Qp, -100 Kmv & Kwb, -123 Km, -500 Kr, -526 pθ

Coord. 27 - 45

25	27-3482	P. S. Irons		230	±100	S	Km	0-70 Pleist, -90 Ket, -150 Kwb, -200 Kmv, -230 Km
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COASTAL PLAIN DEEP WELLS

Coord. 28 - 4

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
1	28-1399	Musta Fha Ahmed	210	+125	S	Kmr	0-80 Qps, -210 Kmr
2	(1948)	Jos. Guerriero	300	+150	D	Kr	0-65 Qps, -125 Kr (OB memb), -279 Kr (SA, Sd #2 & Wbg fire cly members), -300 Kr (Farrington member)
3	(1931)	Anheuser-Busch	312	± 20	D	pø	0-20 Qcm, 20-61 Qcm (?), -72 Kr (sd #3), -181(Kaolin sd, SoA fire clay & Wbg cly) Kr, -260 Kr (fire sd), -312 pø
4	(1945)	Duhernal	313	± 10	S	pø	0-33 (?), -210 Kr (Sd #3, SA, Sayreville & Wbg), -307 Kr (Farrington), -312 Kr (Rar. fire cly), -313 pø
5	(1929)	P. J. Schweitzer Inc.	355	± 30	D	pø	0-17 (?), -80 Kr (Sd #3), -102 Kr (SA fire cly, -228 Wbg memb), -310 Kr (sd #1), -351 Kr (Rar. Fire cly (?), -353 pø
6	(1937)	Water Policy Comm.	91	± 5	D	Trdb	0-91 Kr, at 91 Trdb
7	(1928)	Middlesex Devel. Co.	565	± 90	S	Trs	0-20 Qps, -260 Kr, -380 Trs
86	28-3020	Laurence Smith	255	+115	D	Trs	0-230 Qps & Kr, -254 Tr clay, -255 Trs
8	28-2560	Madison Water Co.	380	± 40	S	pø	0-90 Km, -370 Kr, -380 pø
9	(1932)	Boro. of Sayreville	198	± 5	S	Kr/f.cly	0-15 Qcm, -118 Kr (Wbg memb), -198 Kr (Sd #1 memb, at 198 Rar. f.cly memb)
10	28-1396	Cliff Stults	180	+100	S	pø	0-103 Qps, -180 Kr, at 180 pø

Coord. 28 - 5

Coord. 28 - 12

COASTAL PLAIN DEEP WELLS

Coord. 28 - 12

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
11	(1945)	Wing Hing	115	±100	S	pθ	0-82 Pleist, -115 pθ
12	28-2042	Kimberly-Clark Co.	339	±125	S	Trb	0-85 Pleist, -108 Km, -333 Kr, -339 Trb
13	-971	Cliff Stultz	263	± 80	S	pθ	0-70 Qps, -200 Kr, -263 pθ
14	-1506	Alex Farr	334	±105	S	Kr	0-40 Pleist, -60 Km, -120 Km, -190 Kr
15	-1435	Marrin Hulick	230	±140	S	Kmr	0-50 Pleist, -100 Km, -230 Kmr
16	-2321	Hanford & Henderson Inc.	290	±120	S	Kr	0-10 Pleist, -60 Km, -160 Km, -290 Kr
17	-2058	Mettler Instrument Co.	152	±100	S	Km	0-22 Pleist, -50 Km, -152 Km
18	-971	Cliff Stultz	263	± 95	S	pθ	0-70 Qps, -200 Kr, -263 pθ
19	-435	M. Jessen	315	±110	S	Kr	0-30 Pleist, -50 Kwb, -110 Km, -190 Km, -315 Kr
20	(1951)	H. R. Schanck	157	±105	S	Km	0-30 Qps, -80 Km, -157 Km
21	(1946)	Chamberlin & Barclay	180	±120	S	Kr	0-20 (?), -75 Km, -180 Km, at 180 Kr
22	(1951)	N. J. Turnpike Authority	158	±120	S	Kr	0-90 Qps, -130 Km, -158 Kr

Coord. 28 - 14

23	28-1612	Jamesburg Water Co.	129	± 30	S	Kmr	0-17 Rec. & Pleist, -123 Kmr
24	(1909)	State Home for Boys	650	±100	D	pθ	0-85 Qps, Kwb & Km, -160 Km, -505 Kr, -650 pθ

COASTAL PLAIN DEEP WELLS

Coord. 28 - 14

<u>Map No.</u>	<u>Permit (year)</u>	<u>Owner</u>	<u>Depth (feet)</u>	<u>Elev. (feet)</u>	<u>Type Log</u>	<u>Bot. Fmn.</u>	<u>Formation Depths</u>
25	(1938)	Bennett	192	± 85	S	O. Bridge	0-35 Kmv, -115 Km, -125 Kr (Amboy St. cly), -192 Old Bridge sd. member of Kr
26	(1944)	Yee Hing	346	±100	S	Kr	0-10 Kmt, -110 Ket, -160 Kwb, -210 Kmv, -310 Km, -346 Kr (?) or Kmr
27	(1947)	Chas. Heider	238	±105	S	Km	0-20 Qps, -50 Ket, -100 Kwb, -155 Kmv, -238 Km
28	(1936)	Monroe Twp. School	257	±130	S	O. Bridge	0-16 Qps, -63 Kmv, -187 Km, -257 Kr (Old Bridge Sd. Kr
29	(1947)	H. L. Cappel	200	±120	S	Ket	0-20 Kns, -120 Kmw, -150 Kmt, -200 Ket
30	28-1260	F. Agabiti	317	± 90	D	pθ	0-17 Qps, -156 Kr, 156-317 pθ
31	-2927	Hamilton Sq. Water Co.	160	± 75	D	pθ	0-7 Qps, -154 Kr, 154-160 pθ
32	(1946)	U. S. Engineer Corps	333	± 70	S	pθ	0-57 Qcm, -310 Kr, -333 pθ
33	28-1551	Cocavio Bros.	205	± 60	S	pθ	0-142 Kr ?, -185 pθ
34	28-1671	N. J. Turnpike Authority	207	± 90	S	Kr	0-10 Qps, -60 Kwb, 70-120 Kmv, -170 Kmr, 170-200 Kr
35	-1452	C. James	200	±130	S	Kr	0-50 Qps, -70 Kwb, -120 Kmv, -170 Km, -200 Kr

Coord. 28 - 15

Coord. 28 - 21

Coord. 28 - 22

COASTAL PLAIN DEEP WELLS

Coord. 28 - 22

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
36	28-1486	St. John's Church	247	± 90	S	Km	0-20 Rec, -110 Kwb, -210 KmV, -253 Km
37	-1363	Hamilton Sq. Water Co.	235	±100	S	pē	0-50 Qps, -219 Kr, -235 pē
38	-649	Boro. of Allentown	305	± 70	S	Kr	0-20 Qp, -70 Kwb, -180 KmV, -240 Km, 240-305 Kr
39	(1952)	B. F. Francis	168	±110	S	KmV	0-20 Pleist, -40 KmV, -168 KmV
40	(1947)	Robinsville Hotel	360	+120	D&S	pē	Struck pē at 360'
41	(1942)	F. H. Vahlising	218	±140	S	Kr	0-35 Qps, -40 Kwb (?), -90 KmV, -190 Km, -218 Kr
42	(1943)	" "	238	±100	S	Km	0-35 Pleist, -85 Kwb, -135 KmV, -175 KmV (?), or Km (?), -238 Km
43	(1948)	C. Mathay	160	±100	S	KmV	0-96 ?, -125 KmV, -160 KmV
44	28-909	Roosevelt Boro.	510	±210	S	Kr	54-165 KmT & Ket, -215 Kwb, -364 KmV & Km, -398 Km, -510 Kr
45	-1929	J. Moller & Sons	712	±150	S	Kr	0-40 Krb, -70 Kns, -180 KmV, -230 KmT, -290 Ket, -335 Kwb, -390 KmV, -543 Km, -712 Kr
46	-2644	Wm. Dryer	358	±120	S	Km	0-10 Q, -60 KmT, -190 Ket, -273 Kwb, -300 KmV, -358 Km
47	-2991	Geo. Wilson	464	±125	S	Kr	0-50 Pleist, -110 Kwb, -170 KmV, -280 Km, -465 Kr

Coord. 28 - 23

COASTAL PLAIN DEEP WELLS

Coord. 28 - 23

<u>Map No.</u>	<u>Permit (year)</u>	<u>Owner</u>	<u>Depth (feet)</u>	<u>Elev. (feet)</u>	<u>Type Log</u>	<u>Bot. Fmn.</u>	<u>Formation Depths</u>
48	28-933	A. Geller	240	+120	S	Kr	0-50 Pleist, -90 Kwb, -190 Km, -210 Km (?), -240 Kr
49	-265	N. J. Turnpike Authority	180	+115	S	Km	0-10 Pleist, -60 Kwb, -110 Km, -180 Km
50	(1894)	Peddie Inst.	500	+108	S	pe	0-243 (?), 243-482 Kmr, -500 pe
<u>Coord. 28 - 24</u>							
51	28-1842	Phil. Restine	675	+200	S	Kr	0-30 Tkw, -60 Tht, -130 Krb, -155 Kns, -240 Km, -280 Kmt, -395 Ket, -455 Kwb, -485 Km, -575 Km, -675 Kr
52	-1357	Ed. Noller	151	+175	D	Kmw	0-15 Tvt, -44 Tht, -88 Krb, -151 Kns & Km
53	(1940)	H. L. Baur	157	+170	S	Ket	0-20 Qps, -50 Kns, -100 Km, -140 Kmt, -157 Ket
<u>Coord. 28 - 25</u>							
54	28-1799	F. Caputo	706	+175	S	Kr	0-265 (?), -360 Ket, -554 Kwb, -635 Km, -706 Kr
<u>Coord. 28 - 31</u>							
55	28-1693	Dix Drive In. Thea.	220	+60	S	Kr	0-50 Km, -140 Km, -220 Kr
56	-2814	Coward-Eastman Co.	153	+60	S	Kr	0-50 Km, -142 Km, -153 Kr
57	(1947)	H. L. Durr	250	+70	S	Kr	0-30 Pleist, -80 Ket, -130 Kwb, -215 Km, -234 Km, -250 Kr

COASTAL PLAIN DEEP WELLS

Coord. 28 - 31

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
58	(1909)	Columbus Water Co.	257	± 75	S	Kmr	0-32 Pleist, -50 Ket, -130 Kwb, -195 Kmv, -257 Kmr
59	(1951)	N. J. Turnpike Authority	241	± 60	S	Kr	0-60 Pleist, -130 Kmv, -170 Km, -241 Kr
60	(1948)	J. Tindik & Sons	201	± 70	S	Kr	0-50 Kwb, -110 Kmv, -137 Km, -201 Kr

Coord. 28 - 32

62	28-3645	Crosswicks Water Co.	185	± 60	S	Kr	0-22 Fleist, -80 Kmv, -130 Km, -185 Kr
63	-1110	J. Danna	136	± 120	S	Ket	0-25 Kmv, -62 Kmt, -136 Ket
64	(1948)	Methodist Church	165	± 190	S	Kmw	0-20 Tkw, -50 Tvt & Tht, -143 Tht (?), Krb & Kns, -165 Kmw
65	(1938)	E. K. Bryant	250	± 70	S	Km	22-70 Ket, -150 Kwb, -236 Kmv, -250 Km
61	(1945)	N. J. State Prison Farm	190	± 90	S	Kmr	0-40 Kwb, -100 Kmv, -190 Kmr
87	28-4082	Wm. D'Angelo	300	± 90	S	Kr	0-30 Reworked Ket, -80 Ket, -130 Kwb, -190 Kmv, -280 Km, -300 Kr

Coord. 28 - 33

66	28-1794	Stan. Dancer	305	± 120	D	Ket	0-15 Tvt, -68 Tht & Krb, -100 Kns, -158 Kmv, -200 Kmt, -305 Ket
67	(1919)	W. S. Driver Oil Co.	1100+	± 110	I&S	pθ	0-18 Tvt, -40 Tht, -90 Krb, -118 Kns, -207 Kmv, -360 Kmt & Ket, -525 Kwb & Kmv, -1100+ Kmr, at 1100+ pθ
68	(1952)	M. R. Meirs	213	± 150	S	Ket	0-55 (?), -100 Kmv, -150 Kmt, -213 Ket

COASTAL PLAIN DEEP WELLS

Coord. 28 - 33

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
69	(1951)	Bd. of Education Inlaystown	157	+130	S	Ket	0-20 Kns, -90 kmw, -150 Kmt, -158 Ket
70	28-1930	Q. Emery	196	+130	D	Kmw	0-44 Tkw, -60 Tmq, -120 Tvt, -196 Tht, Krb & Kns, at 196 Kmw
71	28-3013	Ralph Morrow	220	+160	S	Kmw	0-50 Pleist, -60 Tkw, -70 Tsr & Tmq, -90 Tvt, -130 Tht, -160 Krb, -210 Kns, -220 Kmw
72	-2154	Matilda Vergiza	153	+130	S	Tvt	0-45 Tch, -82 Tkw, -97 Tmq, -153 Tvt
73	-1025	A. C. Moore	158	+120	S	Tvt	0-10 Tch, -70 Tkw, -110 Tmq, -158 Tvt
74	(1951)	Trenton Girls Scouts	640	+140	S	Km	25-45 Tvt, -55 Tht, -125 Krb, -175 Kns, -255 Kmw, -280 Kmt, -640 Ket, Kwb & Kmv, at 640 Km
75	28-3008	Morris Brown	170	+140	S	Tvt	0-40 Pleist, -90 Tkw, -120 Tmq, -170 Tvt
76	-1080	Boris Glary	237	+130	D&S	Krb	0-55 Tkw, -110 Tkw, Tmq & Tvt, -185 Tvt, -225 Tht, -237 Krb
77	(1948)	Jackson Twp. School	184	+105	S	Tvt	0-70 Tkw, -92 Tmq, -184 Tvt
78	(2/53)	Maguire A.F.B.	1100	+120	S	Kr	0-35 Pleist & Tkw, -136 Tht, Krb & Kns, -220 Kmw, -263 Kmt, -345 Ket, -430 Kwb, -500 Kmv, -775 Km, -889 Km (?), -1100 Kr

Coord. 28 - 35

Coord. 28 - 42

COASTAL PLAIN DEEP WELLS

Coord. 28 - 42

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Form.	Formation Depths
79	(7/41)	Maguire A.F.B.	1050	+125	S	Kmr	0-42 TkW, -65 Tmq, -106 Tvt, -141 Tht, -162 Krb, -200 Kns, -275 KmW, -305 Kwb, -520 KmV, -1050 Kmr
80	(6/53)	"	1139	+115	S	pθ	0-35 TkW, -69 TkW (?), -151 Tvt & Tht (?), 165-224 KmW, -520 Kmt, Ket, Kwb & KmV, -1100 Kmr, -1139 pθ
81	28-1521	U.S. Army Post Eng.	159	+160	S	KmW	0-10 Pleist, -30 Tmq, -80 Tvt, -130 Tht, -150 Kns, -159 KmW
82	(10/41)	Fort Dix #3	870	+170	S	Kmr	0-12 Qbt, -55 Tch, -85 TkW, -105 Tvt, -121 Tht, -170 Krb & Kns, -225 KmW, -280 Kmt, -380 Ket, -450 Kwb, -534 KmV, -870 Kmr
83	(4/24)	Fort Dix	306	+130	S	Ket	0-35 TkW, -90 Tvt, -159 Tht & Kns, -244 KmW, -292 Kmt, -306 Ket
84	(4/41)	"	980	+130	S	Kmr	0-65 TkW, -174 Tmq, Tvt, Tht & Krb, at 174 Kns, -332 KmW, Kmt (?), & Ket (?), -407 Ket, -505 Kwb, -575 KmV, -980 Kmr
85	28-1382	Porter, Urquhart & Beavin	295	+100	S	Tvt	0-63 Tch, -125 TkW, -185 Tmq, -295 Tvt

Coord. 28 - 45



COASTAL PLAIN DEEP WELLS

Coord. 29 - 1

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
1	29-1962	Westbury Water Co.	265	±110	S	Kr	2-66 Kmv, -211 Km, -265 Kr
2	-1731	Matawan Boro.	457	± 85	D	Kmr	0-75 Kwb & Kmv, -457 Kmr
3	-2191	Dept. of Conservation	324	± 10	S	Kr	2-45 Km, -324 Kr
4	-2059	Midtown Water Co.	311	±150	D	Kmr	0-332 Kmr
5	-1141	N. J. Highway Authority	308	±100	S	Kr	74-92 Km, -308 Kr
6	(1948)	Morganville Board of Education	171	±200	S	Kwb	0-25 Kmv, -55 Kmt, -143 Ket, -171 Kwb
7	(1930)	DuPont	370	±100	D	Trss	0-19 Qps, -50 Km, -359 Kr, -370 Trss
8	(1939)	Dept. of Conservation	186	± 70	S	Kmr	0-10 Qp, -60 Kmv, -187 Kmr
9	(1954)	U.S. Army Corps of Engineers	96	± 50	S	O. Bridge Kr	0-68 Km, -74 Kr (Amboy Stoneware clay), -96 Kr (Old Bridge member)
10	(1948)	Madison Township Board of Education	165	± 60	S	Sd.#3 Kr	0-124 Km, -135 Kr (Amboy Stoneware clay), -165 Kr (Sd.#3)
11	(1941)	Washington Grove Inn	254	±135	S	Sd.#3 Kr	0-20 Qps, -65 Kwb, -110 Kmv, -215 Km, -242 Kr (Amboy St. cly), -254 Kr (#3 sand member)
12	(1932)	State Water Policy Commission	74	± 30	S	Sd.#3 Kr	0-4½ Qcm, -45 Km, -53 Kr (Amboy Stoneware clay), -74 Kr (Sd.#3)
13	29-1497	Van A. Haebler	328	± 10	S	Kr	0-40 Qp, -50 Kmv, -220 Km, -328 Kr

Coord. 29 - 2

COASTAL PLAIN DEEP WELLS

Coord. 29 - 2

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
14	29-1364	E. M. Todd	256	±290	D	Kmw	0-140 Krb, -165 Kns, -256 Kmw
15	(1949)	J. Baxter	215	±330	S	Kmw	0-79 Krb, -112 Kns, -215 Kmw
16	29-1538	Mrs. Geo. Harnyk & Son	347	±200	S	Ket	0-140 Krb, -190 Kns, -240 Kmw, -280 Kmt, -315 Ket
17	-2079	Bell Tel. Lab.	224	±220	S	Ket	0-10 Qp, -55 Krb, -95 Kns, -145 Kmw, -168 Kmt, -224 Ket
18	-1123	N. J. Highway Authority	1044	+220	S	pθ	0-63 (?), -73 Kns, -135 Kmw, -160 Kmt, -293 Ket, -334 Kwb, -374 Kmv, -601 Km, -958 Kr, -1044 pθ
19	-1792	Keyport Boro.	261	± 10	S	Kr	0-43 Qcm, -201 Km, -261 Kr
20	-962	F & F Nurseries	200	±135	S	Ket	0-50 Kns, -120 Kmw, -150 Kmt, -200 Ket
21	(1898)	H. C. Deuts	575	±320	S	Kr	0-25 Qbh, -40 Tht, -130 Krb, -160 Kns, -260 Kmw, -299 Kmt, -375 Ket, -428 Kwb, -457 Kmv, -565 Km, -575 Kr
22	29-1398	F. Hillman	283	+170	D	Ket	0-144 Krb, -178 Kns, -283 Ket
23	-1297	Keansburg Boro.	355	± 20	S	Kmr	0-62 Qcm, -120 Kwb & Kmv, -355 Kmr
24	(1935)	V. Genevese	254	±130	S	Ket	0-25 Kns, -90 Kmw, -135 Kmt, -249 Ket
25	(1941)	Ft. Hancock, Sandy Hook	520	± 10	S	Kr	0-72 Rec. beach sd, -86 Rec. or late Pleist., -127 late Pleist., -238 Pleist, -355 Km, -520 Kr

Coord. 29 - 3

Coord. 29 - 4

COASTAL PLAIN DEEP WELLS

Coord. 29 - 4

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fm.	Formation Depths
26	(1911)	Ft. Hancock, Sandy Hook	804	± 10	S	Sd. #1 Kr	0-75 Rec., -127 Ket, -240 Kwb & KmV, -365 Km, -386 Kr (Am. St. cly), -629 Kr (Sds. #2&3), -693 Kr (Wbg. clay), -802 Kr (Sd. #1)
<u>Coord. 29 - 11</u>							
27	(1950)	State Inst., Marlboro	616	±170	S	SA f.cly Kr	?, -106 Kmt, -204 Ket, -349 Kwb & KmV, -504 Km, -596 Kr (Old Bridge member), -616 Kr (S. Amb. fire clay)
28	(1950)	A. Robbins	350	± 80	S	Kr	0-53 Ket, -115 Kwb, -165 KmV, -290 Km, -350 Kr
29	(1943)	H. & L. Wetterberg	220	±170	S	Ket	0-40 (?), -50 Kns (?), -110 KmV, -150 Kmt, -220 Ket
30	(1951)	Wetterberg Bros.	208	±155	S	Ket	0-40 Kns, -130 KmV, -170 Kmt, -208 Ket
31	(1942)	" "	230	±165	S	Ket	0-25 Kns, -100 KmV, -130 Kmt, -230 Ket
32	(1943)	P. D. Van Mater	246	±170	S	Ket	0-35 Krb, -65 Kns, -135 KmV, -175 Kmt, -246 Ket
<u>Coord. 29 - 12</u>							
33	29-2171	Murray Rosenberg	342	± 90	S	Ket	0-48 Krb, -85 Kns, -150 KmV, -190 Kmt, -342 Ket
34	-722	F. Frelinghuysen	177	±170	S	Ket	0-90 KmV, -140 Kmt, -170 Ket
35	(1944)	Fred Stout	680	±110	S	Km	10-125 Krb, -165 Kns, -245 KmV, -300 Kmt?, -395 Ket, -474 Kwb?, -570 KmV?, -680 Km

COASTAL PLAIN DEEP WELLS

Coord. 29 - 12

<u>Map No.</u>	<u>Permit (year)</u>	<u>Owner</u>	<u>Depth (feet)</u>	<u>Elev. (feet)</u>	<u>Type Log</u>	<u>Bot. Fmn.</u>	<u>Formation Depths</u>
36	29-1226	S. B. Boynton	210	± 60	S	Km	0-80 Ket, -130 Kwb, -190 KmV, -210 Km
37	(1949)	Miss L. Harding	210	±110	S	Ket	0-20 Krb, -40 Kns, -95 KmV, -145 Kmt, -210 Ket
38	(1941)	O. M. Hinton	300	±125	S	Ket?	0-20 Krb, -40 Kns, -120 KmV, -160 Kmt, -250 Ket, -300 Ket (?)
39	(1942)	H. D. Mercer #2	690	±115	S	Km	0-10 Tvt, -30 Tht, -150 Krb, -180 Kns, -260 KmV, -310 Kmt, -410 Ket, -470 Kwb, -550 KmV, -690 Km
40	29-2970	J. L. Shearer	160	±100	S	KmV	0-80 Krb, -140 Kns, -160 KmV
41	(1941)	H. D. Mercer #1	345	±130	S	Ket	0-140 Krb, -175 Kns, -255 KmV, -285 Kmt, -345 Ket
42	29-1652	Red Bank Boro.	297	± 50	S	Ket	10-40 Krb, -60 Kns, -120 KmV, -160 Kmt, -297 Ket
43	-2035	J. L. Bernard, Jr.	708	± 60	S	Kr	0-60 Tht, -120 Krb, -160 Kns, -220 KmV, -260 Kmt, -400 Ket, -470 Kwb, -560 KmV, -675 Km, -708 Kr
44	-2366	R. H. Macy	891	± 80	E	p <sup>o</sup>	0-72 Tvt?, -220 (?), -237 Kns, -310 KmV, -342 Kmt, -456 Ket, -600 Kwb & KmV, -740 Km, -875 Kr, -891 p <sup>o</sup>
45	(1940)	Mon. Memorial Hosp.	470	± 40	S	Ket	0-25 Qcm, -114 Tvt, -135 Tvt (?) or Tht (?), -170 Tht, -260 Krb, -277 Kns, -340 KmV, -400 Kmt, -470 Ket

Coord. 29 - 13

Coord. 29 - 14

COASTAL PLAIN DEEP WELLS

Coord. 29 - 14

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
46	29-1921	Mon. Consol Water Company	1086	± 20	S&E	Kr	3-140 Tvt, -160 Tht, -248 Krb, -276 Kns, -358 Km, -399 Kmt, -545 Ket, -580 Kwb, -640 Km, -760 Km, -1086 Kr
47	(1946)	Mon. Beh. Cold Stor.	420	± 20	S	Ket	0-15 Pleist, -85 Krb, -115 Kns, -205 Km, -235 Kmt, -420 Ket
48	29-1134	Mon. Co. Court House	342	±180	S	Ket	0-110 Krb & Qp, -150 Kns, -240 Km, -280 Kmt?, -342 Ket
49	-1797	Nestle Co. Inc.	619	±150	S	Km	0-110 Krb, -140 Kns, -210 Km, -250 Kmt, -360 Ket, -430 Kwb, -530 Km, -600 Km
50	-1241	W. D. Clayton	618	±185	S	Kr	0-120 Krb & Kt, -150 Kns, -220 Km, -250 Kmt, -430 Ket, -500 Kwb?, -550 Km, -615 Km, -618 Kr
51	-2619	Freehold Bd. of Education	600	±175	S	Kmr	0-50 Tht, -98 Krb, -140 Kns, -208 Km, -240 Kmt, -380 Ket, -430 Kwb, -490 Km, -600 Kmr
52	-2201	Genl. Water Co.	783	±135	S	Km	3-13 Tht, 13-103 Krb, -143 Kns, -223 Km, -263 Kmt, -433 Ket, -523 Kwb, -563 Km, -783 Km
53	-1353	W. D. Clayton	340	±170	S	Ket	0-10 Qp, -110 Krb, -150 Kns, -230 Km, -250 Kmt, -340 Ket

Coord. 29 - 21

COASTAL PLAIN DEEP WELLS

Coord. 29 - 21

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fm.	Formation Depths
54	(1938)	Fairlawn Farms	300	+100	S	Ket	3-25 Qp, -30 Tvt, -50 Tht, -130 Krb, -170 Kns, -240 KmW, -285 Kmt, -300 Ket
55	(1943)	Cameron Roberson Co.	650	+140	S	Kr	0-15 Tht, -105 Krb, -135 Kns, -195 KmW, -225 Kmt, -355 Ket, -425 Kwb, -510 KmV, -605 Km, -650 Kr
56	(1948)	A & M Karaghensian	324	+190	S	Ket	0-130 Krb, -180 Kns, -220 KmW, -270 Kmt, -324 Ket
57	29-2607	U.S.N. Ammo. Depot	250	+220	S	KmW	0-10 Qp, -30 Tmq, -130 Tvt, -160 Tht, -190 Krb, -230 Kns, -250 KmW
58	-2552	Rev. C. Oates	140	+ 75	S	Tvt	0-30 Qp, -50 Tmq, -140 Tvt
59	-1240	Henry Rapp	114	+ 65	S	Tvt	0-25 Qcm, -114 Tvt
60	(1947) orig. deep. later	Farmingdale Boro.	481	+ 70	S	Ket	0-20 TkW, 20-45 Tmq & Tsr, -180 Tvt, -220 Tht, -260 Krb, -280 Kns, -380 KmV, -440 Kmt, -481 Ket
61	(1943)	Naval Ammunition Depot	830	+105	S	Kmr	0-25 (?), -90 Tvt, -140 Tht, -200 Krb, -230 Kns, -300 KmW, -340 Kmt, -830 Ket, Kwb, KmV & Kmr
103	29-3099	Howell Twp. Bd. of Education	338	+125	S	KmW	0-20 Qp, -70 TkW, -114 Tsr & Tmq, -214 Tvt, -254 Tht, -320 Kns, -333 KmL, -338 Kw

Coord. 29 - 22

COASTAL PLAIN DEEP WELLS

Coord. 29 - 23

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fun.	Formation Depths
62	29-1142	N. J. Highway Dept.	518	+125	S	Kw	0-55 Qps & Tch, -104 (?), -156 Tsr, -194 Tmq, -313 Tvt, -353 Tht, -382 Krb, -393 Kns, -422 Ymt, Laurel, -518 Kw
63	-1922	Mon. Consol. Water Co.	1113	± 20	E	Kr	0-90 Tkw, -110 Tmq, -243 Tvt, -291 Tht (?), -383 Krb (?), -542 KmW, -603 Ket, -655 Kwb, -752 KmV, -928 Km, -1113 Kr
64	(1949)	Wall Twp. School	484	+110	S	KmW	0-120 Tkw, -130 Tsr, -150 Tmq, -325 Tvt, -355 Tht, -405 Krb & Kns, -484 KmW
65	(1942)	U. S. Army, Belmar	674	± 80	S	Kwb	0-132 Tkw, -160 Tmq, -220 Tvt, -392 Tht & Krb, -422 Kns, -532 KmW (?), -553 Kmt (?), -657 Ket, -674 Kwb
66	(1944)	Wardell Dairy	480	± 90	S	KmW	0-50 Pleist, -60 Tch (?), -85 Tkw, -115 Tmq, -245 Tvt, -265 Tht, -395 Krb, -450 Kns, -480 KmW
67	(1951)	Mon. Consol. Water Co.	1065	± 20	S	Kr	0-70 Qcm, Tkw & Tmq, -260 Tvt, -280 Tht, -300 Tht (?) or Krb (?), -400 Krb, -450 Kns, -600 KmW, -620 Kmt, -650 Ket, -740 Kwb, -910 KmV, -975 Km, -1065 Kr
68	(1942)	Civilian War Housing	453	± 65	S	KmW	0-12 Qps, -93 Tkw, -131 Tmq, -211 Tvt, -420 Tht, Krb & Kns, -453 KmW
69	(1942)	Signal Corps, U.S. Army	246	+150	S	Tvt	0-30 Qbt, -74 Tch, -105 Tkw, -155 Tmq, -246 Tvt

COASTAL PLAIN DEEP WELLS

Coord. 29 - 24

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
70	29-1810	Mon. Consol Water Co.	1053	± 10	S&E	Kr	0-20 TkW, -140 Tmq, -210 Tvt, -273 Tht & Krb, -406 Kns & KmW, -476 Knt, -570 Ket, -715 KwB & KmV, -825 Km, -1053 Kr
71	-1825	Asbury Water Co.	1138	± 20	D	KmR	0-818 ?, -1138 KmR
72	(1940)	Keystone Laundries	580	± 20	S	Ket	0-25 TkW, -55 Sub TkW, -129 Tmq, -275 Tvt, -315 Tht, -385 Krb, -425 Kns, -465 KmW, -518 Knt, -580 Ket
73	(1949)	Mon. Consol. Water Co.	677	± 20	D&S	Ket	0-36 TkW, -105 Tmq, Tsr & Tvt, -192 Tvt, -327 Tht, K Tinton & Krb, -404 (one sample) Kns, -467 KmW, -568 KmW & Ket, -677 Ket
74	29-2484	George Rac	155	±110	S	Tht	0-30 Qp, -70 TkW, -80 Tmq, -150 Tvt, -155 Tht
75	-2376	Jacob Hirshborn	170	± 95	S	Tvt	0-20 Qp, -50 TkW, -100 Tsr & Tmq, -170 Tvt
76	-2372	Joseph Schwartz	215	± 95	S	Tvt	0-60 TkW, -70 Tsr, -150 Tmq, -215 Tvt
77	-2557	Karr	128	±120	S	Tvt	0-60 TkW, -90 Tsr & Tmq, -128 Tvt
78	(1925)	W & K Oil Company D. Mathews #2, Jack Mills	5022	±100	S	pē	0-103 Pleist, TkW & Tmq, -332 Tvt, Tht & Krb, -485 Kns & KmW, -692 Knt, Ket & KwB, -754 KmV, -1336 KmR, -5022 pē

Coord. 29 - 31



COASTAL PLAIN DEEP WELLS

Coord. 29 - 32

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
79	29-2207	St. Gabriel Jr. College	530	± 60	S	Ket	0-20 Qcm, -80 Tkw, -130 Tsr & Tmq, -200 Tvt, -230 Tht, -250 Krb, -340 Kns, -450 KmW, -500 Kmt, -530 Ket
80	-2231	Amer. Water Works	638	± 30	E	Ket	0-65 Qp & Tkw, -161 Tsr & Tmq, -202 Tvt, -400 Krb (?), -425 Kns (?), -480 KmW, -542 Kmt, -638 Ket
81	(1950)	Lake Shore Laundry, Lakewood	617	± 55	S	Ket	5-110 Tkw, -195 Tmq, -270 Tvt, -340 Tht, & Krb, -390 Kns, -485 KmW, -578 Kmt, -617 Ket
82	(1951)	C. Ostrander	263	± 85	S	Tht	0-60 Tkw, -110 Tmq, -240 Tvt, -263 Tht
83	(1956)	Allaire State Park	417	± 40	S	KmW	0-93 Tkw, -215 Tmq & Tvt, -378 Tht, -402 Kns, -417 KmW
84	29-1817	Mut. Contract Co.	650	± 85	S	Ket	0-170 Tkw, -190 Tsr, -230 Tmq, -280 Tvt, -450 Tht & Krb, -500 Kns, -580 KmW, -610 Kmt, -650 Ket
85	-2474	Wall Twp. Bd. of Education	660	± 45	S	Ket	0-155 Tsr & Tmq, -275 Tvt, -285 Tht, -365 Krb, -415 Kns, -520 KmW, -590 Kmt, -660 Ket
86	-2198	Walltown Shop Cent.	158	± 55	S	Tmq	0-53 Qp, -80 Tch, -150 Tkw, -158 Tsr & Tmq
87	-1336	C. P. B. Realty Co.	192	± 60	S	Tkw	0-35 Qp, -100 Tch, -192 Tkw

Coord. 29 - 33

COASTAL PLAIN DEEP WELLS

Coord. 29 - 33

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
88	(1936)	Pt. Pleasant Boro.	825	± 10	S	Ket	0-75 Qcm, -170 Tkw, -190 Sub-Kirkwood, -295 (?) Tmq, -445 Tvt, -475 Tht, -515 Krb, -565 Kns, -680 KmW, -720 Kmt, -825 Ket
89	(1949)	Sea Girt Boro.	730	± 15	S	Ket	0-40 Qcm, -140 (?) Tkw, -350 Tmq & Tsr, Tvt & Tht, -640 Krb, Kns & KmW, -680 Kmt, -730 Ket
90	29-989	Shore Dairies	328	± 85	S	Tvt	100-130 Tkw, -170 Tmq & Tsr, -328 Tvt
91	(1946)	Boro. of Pt. Pleasant	805	± 15	S	Ket	0-60 Qcm, -180 Tkw, -190 Sub-Kirkwood (?), -280 Tmq, -440 Tvt, -460 Tht, -500 Krb, -570 Kns, -680 KmW, -730 Kmt, -805 Ket
92	(1920)	Boro. of Sea Girt	1137	± 15	S	Kmr	0-50 Qcm, -230 (?) Tkw & Sub-Kirkwood, -270 Tsr, -675 Tvt, Tht, Krb, Kns, KmW & Kmt, -760 Ket, -950 Kwb & KmV, -1137 Kmr
93	(1911)	City of Spring Lake	705	± 10	S	Ket	0-140 Tkw, -270 (?) Tmq & Tsr, -330 (?) Tvt, -420 Tht, -480 Krb, -500 Kns, -560 KmW, -620 Kmt, -705 Ket
94	(1950)	Ocean Co. Water Co.	825	± 10	S	Ket	0-20 Qcm, -180 (?) Tkw, -450 Tmq, Tsr, Tvt & Tht, -560 Tinton (?), Krb & Kns, -750 (?) KmW & Kmt, -825 Ket
104	29-3345	Boro. of Pt. Pleasant	1342	± 10	S	Kmr	0-118 Qcm, -568 Tertiary, -1080 Cretaceous, 1080-1254 Kmr

COASTAL PLAIN DEEP WELLS

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
95	29-2350	Houston, Settle & Co.	210	+60	S	Tvt	0-80 Tch, -135 Tkw, -210 Tmq & Tvt
96	(1928)	Iakehurst Boro.	1038	+60	D	Kr	0-180 Tch & Tkw, -245 Tsr & Tmq, -298 Tvt, -340 Tht, -365 Krb, -430 Kns, -575 KmW, -635 Kmt, -756 Ket, -1010 KwB, KmV, Km (?) -1038 Kr
97	29-1382	Porter, Urquhart & Beavins	295	+55	S	Tmq	0-63 Tch, -125 Tkw, -145 Tsr, -205 Tmq
98	29-2875	Pineland Water Co.	800	+10	S&E	Kmw	0-82 Qp, -202 Tch & Tkw, -232 Tsr or Tmq, -501 Tvt, -545 Tht, -615 Krb, -659 Kns, -736 KmW
99	-1325	Ocean Co. Water Co. #6	1052	+10	S&E	Ket	0-372 Tkw, -396 Tsr-Tmq, -606 Tvt, -626 Tht, -747 Krb, -845 Kns (?), -902 KmW, -1052 Ket
100	-1681	Silver Bay Homes	950	+5	E	Ket	0-90 Tch, -230 Tkw, -680 (?), -760 Krb, -820 Kns, -868 KmW, -940 Kmt, -950 Ket
101	(1931)	Ocean Co. Water Co.	1207	+5	S	KmV	0-30 Rec., -340 (?) Tkw, -590 Tmq, Tsr & Tvt, -700 Tht & Krb, -760 Kns, -860 KmW, -910 Kmt, -1010 Ket, -1080 KwB, -1207 KmV
102	(1947)	Green Is. Devel. Co.	151	+5	S	Tkw	0-93 Tch, -151 Tkw

COASTAL PLAIN DEEP WELLS

Coord. 30 - 13

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
33	30-796	Monsanto Chem. Co. #2	200	± 10	S	pθ	0-153 Lower Crét. & Pleist, -200 pθ
1	(1953)	Hercules Powder	220	± 10	D	pθ	0-11 Qcm, -220 Kr, at 220 pθ
2	(1924)	DuPont	285	± 5	D	pθ	0-20 Rec., -115 Kmr, -285 pθ
3	(1925)	Vacuum Oil Company	318	± 10	D	pθ	0-18 Qcm, -318 Kmr, at 318 pθ
4	30-618	Dupont	194	± 5	S	Kr	0-27 Qcm, -72 Pleist, -167 Kr
5	(1901)	Penns Grove Water Company	350	± 15	S	pθ	0-102 Rec. & Pleist, -270 Kmr, -350 pθ
6	(1953)	Ford, Bacon & Davis	216	± 10	D	pθ	0-62 Qcm, -215 Kmr, -216 pθ
7	(1953)	" " "	240	± 10	D	pθ	0-53 Qcm, -238 Kmr, -240 pθ
8	(1953)	" " "	217	± 10	D	pθ	0-39 Qcm, -217 Kmr, at 217 pθ
34	30-795	Monsanto Chem. Co.	150	± 5	S	pθ	0-80 Qcm, -123 Low. Crét., -150 pθ

Coord. 30 - 22

Coord. 30 - 23

Coord. 30 - 24

9	30-375	P. M. Musumeci	101	± 60	S	Kmr	0-40 Pleist, -100 Kmv, -101 Kmr
10	-328	H. J. Marino	358	± 90	D	Kmr	0-50 Tkw, -115 Tht & Kns, -165 Kmv, -196 Kmt, -212 Ket, -344 Kvb & Kmv, -358 Kmr

COASTAL PLAIN DEEP WELLS

Coord. 30 - 24

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
11	(1939)	Boro. Swedesboro	244	± 10	S	Kr	0-14 Pleist, -135 Kwb & Kmv, -162 Kr (?), -238 Kr
<u>Coord. 30 - 25</u>							
12	30-407	Wm. Hazelton	325	± 90	D	Kmr	0-7 Rec., -140 Tht (?), Kns & Kmw, -170 Kmt, -210 Ket, -310 Kwb & Kmv, -325 Kmr
13	-210	S. Jersey Water Supply	267	± 90	S	Kmr	0-25 Pleist, -70 Kmw, -225 Kmt, Ket, Kwb & Kmv, -267 Kmr
<u>Coord. 30 - 31</u>							
14	(1900)	Fort Mott	320	± 10	S	Kmr	0-105 Pleist, Kwb & Kmv, -320 Kmr
<u>Coord. 30 - 32</u>							
15	30-492	Dupont	520	± 10	S	Cret.	0-113 Rec., -462 Kr, -520 L. Cret. (?)
16	-514	"	500	± 10	D&E	Kmr	0-80 (?) Rec., -80 (?), -500 Kmr
17	(1952)	N. J. Turnpike Authority	160	± 15	S	Kmr	0-32 Qcm, -71 Kmv, -160 Kmr
35	30-698	Atlantic City Electric Co.	275	± 5	S	Kr	0-29 Qcm, -275 Kr
36	-476	Lower Penns Neck Township	330	± 5	D	Kr	0-23 Qcm, -330 Kr
<u>Coord. 30 - 33</u>							
18	30-717	Salem County Home	370	± 45	S	Kmr	0-20 Tkw, -70 Tvt, -90 Tht, -130 Kns, -200 Kmw, -230 Kmt, -250 Ket, -300 Kwb, -330 Kmv, -370 Kmr

COASTAL PLAIN DEEP WELLS

Coord. 30 - 32

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
19	30-763	American Stores	575	± 60	S&E	Kr	0-30 Tkw, -80 Tht, -110 Kns, -180 KmW, -220 Kmt, -250 Ket, -300 Kwb, -340 Kmr, -575 Kr
20	Prior to 1897	B. Cheesman	301	±105	S	Kmr	0-15 Tkw (?), -35 Kns, -95 KmW, -115 Kmt, -180 Ket, -267 Kwb & Kmv, -301 Kmr
21	(1953)	N. J. Turnpike Authority	345	± 40	S	Kmr	0-10 Pleist, -50 Kmt, -60 Ket (?), -110 Kwb, -140 Kmv, -345 Kmr
22	(1953)	" "	334	± 40	S	Kr	0-20 Qcm, -60 Kmt, -130 Kwb, -180 Kmv, -256 Km, -334 Kr
23	30-701	H. H. Kirby	147	±145	S	Tvt	0-20 Pleist, -40 Tch, -120 Tkw, -140 Tvt
24	(1947)	Boro. Woodstown	694	± 25	S	Kmr	0-18 (?), -31 Tvt, -65 Tht, -75 Kns, -160 KmW, -200 Kmt, -225 Ket, -315 Kwb & Kmv, -694 Kmr
25	30-791	Kelly Bros.	510	± 85	S	Kmr	0-30 Tht, -150 KmW, -190 Kmt, -230 Kwb, -290 Kmv, -510 Kmr
26	-716	U. S. Government	718	± 80	S&E	Kr	0-10 Tkw, -32 Tvt, -61 Tht (?), -110 KmW, -130 Kmt, -290 Ket, Kwb & Kmv, -341 Km, -718 Kr
27	30-735	Mannington Mills	132	± 20	S	Kmw	0-16 Pleist, -44 Tht, -94 Kns, -132 KmW
28	(1935)	Town of Salem	1440	± 10	S	pθ	0-21 Pleist, -71 Tht & Kns, -155 KmW, -186 Kmt, -266 Ket & Kwb, -335 Kmv, -427 Km, -1058 Kr, -1376 L. Cret., -1440 pθ

Coord. 30 - 34

Coord. 30 - 42

COASTAL PLAIN DEEP WELLS

Coord. 30 - 42

<u>Map No.</u>	<u>Permit (year)</u>	<u>Owner</u>	<u>Depth (feet)</u>	<u>Elev. (feet)</u>	<u>Type Log</u>	<u>Bot. Fmn.</u>	<u>Formation Depths</u>
29	Prior to 1897	Town of Salem	130	± 10	S	Kmw	0-1 Rec., -20 Tvt, -55 Tht & Kns, -130 Kmw
30	(1946)	Salem Co. Hospital	496	± 20	S	Kmr	0-23 Qcm, -35 Tht (?) & Kns, -106 Kmw, -158 Kmt & Ket, -260 Kwb & Kmv, -496 Kmr

Coord. 30 - 43

31	(1947)	H. K. Johnson	108	± 20	S	Tvt	0-18 Qps, 18-50 Tkw & Tmq (?), -108 Tvt
32	(1897)	W. T. Richman	405	± 140	S	Kmw	0-80 Pleist & Tch, -200 Tkw, -250 Tmq & Tsr, -315 Tvt, -355 Tht & Kns, -405 Kmw

Coord. 30 - 44

37	?	D. Blacklock	235	± 60	S	Tvt	0-105 Tkw, -235 Tvt
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COASTAL PLAIN DEEP WELLS

Coord. 31 - 1

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
1	31-948	U. S. Gasket	153	± 20	S	pθ	0-30 Qcm, -141 Kmr, -153 pθ
<u>Coord. 31 - 2</u>							
2	-1246	Camden City #6	181	± 50	D	pθ	0-20 (?) Qcm, -180 Kr, -181 pθ
3	-684	N. J. Water Co.	527	± 15	S	Kmr	0-24 Pleist, -146 Kwb & Kmv, -527 Kmr
4	(1953)	C. E. W. Dell & Son	135	± 25	S	Kmr	0-20 Qcm, -30 Kwb, -90 Kmv, -135 Kmr
5	(1932)	Merchantville-Pens. Water Comm.	182	± 10	S	Kr	0-30 Qcm, -182 Kr
6	31-2556	" "	293	± 60	D	pθ	0-33 Pleist, -292 Kr, -293 pθ
66	-4053	Borough of Collingswood	308	± 10	S	L.Cret.	0-10 Pleist, -62 Kr, -308 L. Cret
<u>Coord. 31 - 3</u>							
7	31-1610	Jos. Rudderow	458	± 50	S	Kmr	0-11 Rec., -91 Kmv, -113 Kmt, -268 Ket, Kwb & Kmv, -458 Kmr
8	-3835	Rivertown-Palmyra Water Co.	308	± 80	D	pθ	0-6 Pleist, -306 Kmr, -308 pθ
9	-3714	R. C. A.	221	± 60	S	Kmr	0-38 Pleist, -98 Kwb, -179 Kmv, -221 Kmr
10	(1914)	Town of Moorestown	517	± 10	S	pθ	0-97 Kwb & Kmv, -164 Km, -508 Kr, -517 pθ
11	31-3673	Campbell Soup Co.	264	± 40	S	Kr	0-56 Kmv, -76 Km, -264 Kr
67	-3806	Twp. of Moorestown	360	± 60	S	Kmr	0-8 Ket, -37 Kwb, -58 Kmv, -360 Kmr
68	-4155	Arthur Champion	299	± 70	S	Kmr	0-10 Pleist, -20 Kmv, -100 Kmt (?), -130 Ket, -200 Kwb, -240 Kmv, -280 Km, -299 Kr



COASTAL PLAIN DEEP WELLS

Coord. 31 - 3

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
69	31-4160	Cherry Valley Const. Co.	274	± 70	S	Kmr	0-18 Kmw, -61 Kmt (?), -185 Ket, -222 Kwb, -263 Kmv, -274 Kmr
<u>Coord. 31 - 4</u>							
12	31-2752	Medford Water Co.	590	± 50	D	Kmr	0-12 Pleist, -150 Tht, Kns & Kmw, -175 Kmt, -332 Ket, Kwb & Kmv, -590 Kmr
13	-3503	F. Connolly	255	± 40	S	Kmr	0-96 Pleist, -156 Kwb, -218 Kmv, -255 Kmr
14	-1960	D. G. Christine	260	± 40	S	Kmr	0-6 Rec., -47 Kmw, -102 Kmt, -172 Ket, -196 Kwb, -251 Kmv, -260 Kmr
70	-1399	Wm. Johnson, Jr.	440	± 85	D	Kmr	0-7 Rec., -43 Tvt & Kns, -125 Kmw, -215 Kmw & Kmt, -265 Ket, -400 Kwb & Kmv, -440 Kmr
<u>Coord. 31 - 5</u>							
15	31-1603	U. S. Nike Defense #2	170	± 45	S	Ket	0-10 Rec., -100 Kmw, -140 Kmt, -170 Ket
75	-4267	Norcross Sand Co.	300	± 50	S	Kmr	0-30 Rec., -290 Kns, Kmw, Kmt, Ket, Kwb, Kmv, -300 Kmr
<u>Coord. 31 - 11</u>							
16	31-2555	Natl. Pk. Boro. #3	307	± 25	D	pθ	0-37 (?); Rec & Pleist, -37 (?), -288 Kr, -307 pθ
17	(1948)	Texas Co. #2	294	± 10	S	Kr	0-35 Rec., -45 Pleist, -294 Kr
18	(1948)	" " (Obs #1)	327	± 35	D	pθ	0-28 (?); Rec. & Pleist, -28 (?), -320 Kr, -327 pθ

COASTAL PLAIN DEEP WELLS

Coord. 31 - 11

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Hm.	Formation Depths
19	31-3418	Westville Boro.	323	± 10	S	Kmr	3-88 Kmv, -323 Kmr
20	-3684	Al. Boginsky	152	+ 45	S	Ket	0-20 Qps, -80 Kmv, -140 Kmt, -152 Ket
21	-3892	Steinberger	170	± 20	S	Km	0-30 Qcm, -90 Kwb, -150 Kmv, -170 Km
22	-737	John Johansen	148	± 30	S	Kmv	0-20 (?), -60 Kmt, -90 Ket, -130 Kwb, -148 Kmv
23	(1952)	City of Woodbury	440	± 30	D	pθ	0-30 Ket, -104 Kwb & Kmv, -433 Kmr, -440 pθ
24	(1893)	City of Gloucester	290	± 5	S	pθ	0-15 Rec., -276 Kmr, -290 pθ
25	(1948)	Texas Co. (Obs #3)	298	± 5	D	pθ	0-43 (?) Rec. & Pleist, -293 Kr, -298 pθ
26	(1947)	" " #3	293	± 10	D	pθ	0-48 Rec. & Pleist, -288 Kr, -298 pθ
27	(1948)	" " #5	293	± 30	D	pθ	0-60 (?) Rec. & Pleist, -60 (?), -287 Kr, -293 pθ
28	?	John H. Schrufer	150	± 10	S	Kmv	0-20 Qps, -90 Kwb, -150 Kmv
29	31-4059	City of Woodbury	462	± 30	S	K/Paut?	0-14 Pleist, -74 Kwb, -110 Kmv, -186 Km, -447 Kr, -462 K Pautuxent (?)
71	-3616	John Baleter	200	± 30	S	Kmr	0-100 (?), -160 Kmv, -200 Kmr
30	31-1124	N. J. Water Co.	627	+ 80	E	pθ	0-18 Rec. & Pleist, -40 Kmv, -85 Kmt, -126 Ket, -177 Kwb (?), -234 Kmv, -603 Kmr, -606 pθ

Coord. 31 - 12

COASTAL PLAIN DEEP WELLS

Coord. 31 - 12

<u>Map No.</u>	<u>Permit (year)</u>	<u>Owner</u>	<u>Depth (feet)</u>	<u>Elev. (feet)</u>	<u>Type Log</u>	<u>Bot. Fmn.</u>	<u>Formation Depths</u>
31	31-2434	N. J. Water Co.	634	± 70	S&E	p8	0-182 KmV, Kmt, Ket, Kwb & KmV, -627 KmV, -634 p8
32	-2360	Laurel Spg. Water	443	± 70	S	KmV	0-5 Pleist, -17 Tvt, -39 Tht, -72 Kns, -115 KmL, -184 Kw, -214 Kmt, -246 Ket, -285 Kwb, -357 KmV, -443 KmV
33	-1363	" "	555	± 75	D&E	KmV	0-84 TkW, -125 Tvt, -194 Tht & Kns, -303 KmV & Kmt, -348 Ket, -420 Kwb & KmV, -555 KmV
34	-2492	Owen-Corning Co.	502	± 75	D	KmV	0-50 KmW, -70 Kmt, -180 Ket, -263 Kwb & KmV, -502 KmV
35	(1926)	N. J. Water Co.	292	± 100	S	KmV	0-70 Qps, -210 Kmt, Ket, Kwb & KmV, -292 KmV
36	(1951)	N. J. Turnpike Authority	263	± 60	S	Kr	0-80 KmW, -232 Kmt, Ket, Kwb, KmV & Km (?), -263 Kr
37	(1925)	N. J. Water Co. #5	264	± 45	S	KmV	0-4 Rec., -80 KmL, Kmt & Ket, -143 Kwb, -191 KmV, -264 KmV
38	31-2780	Evesham Twp.	512	± 85	D	KmV	0-16 Tvt, -73 Tht & Kns, -110 KmW, -165 Kmt, -200 Ket, -276 Kwb, -512 KmV & KmV
39	(1942)	Boro. of Clementon #7	652	± 50	S	KmV	0-129 TkW, Tmq, Tvt & Tht, -141 Kns, -250 KmW & Kmt, -396 Ket & Kwb, -438 KmV, -652 KmV

Coord. 31 - 13

COASTAL PLAIN DEEP WELLS

Coord. 31 - 13

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
40	31-1202	Boro. of Clementon	360	+180	S	Kmt	0-150 (?), -180 Tvt, -220 Tht, -230 (?) Kns, -305 KmW, -360 Kmt
41	-3777	(Corps of Engrs) John G. Snyder	415	+185	S	Ket	0-27 Qps, -62 Tch, -160 TkW, -215 Tmq & Tvt, -258 Tht, -275 Kns, -344 KmW, -386 Kmt, -415 Ket
72	-4122	L. Cinkowski	270	+130	S	KmW	0-90 Qps, -125 TkW, -170 Tvt, -190 Tht, -230 Kns, -270 KmW
42	(1925)	Medford Water Co.	535	± 40	S	KmR	0-6 Pleist., -27 Tmq, -73 Tvt, -105 Tht & Kns, -194 KmW, -230 Kmt, -300 (?) Ket, -426 (?) Kwb & KmV, -535 KmR
43	(1942)	Burl. Co. Boy Scouts	315	± 80	D	Ket	0-40 TkW, -46 Tmq (?), -110 Tvt, -147 Tht, -189 Kns, -276 KmW, -315 Kmt, at 315 Ket
44	31-4099	H. G. Rodrigo	126	± 40	S	KmW	0-20 Qcm, -40 Tmq, -60 Tvt, -90 Tht, -110 Kns, -126 KmW
73	31-4141	Love Construction Co.	330	+140	S	KmW	0-90 Tch & TkW, -130 Tsr & Tmq, -240 Tvt & Tht, -290 Kns, -330 KmW
45	31-1876	Joe Biddle	200	± 30	S	KmR	0-20 Pleist, -60 Kmt, -90 Ket, -140 Kwb -190 KmW, -200 KmR

Coord. 31 - 14

Coord. 31 - 15

Coord. 31 - 21

COASTAL PLAIN DEEP WELLS

Coord. 31 - 21

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
46	31-1874	Geo. T. Lemon	110	± 85	S	Kml	0-30 Pleist, -60 Tvt, -80 Tht, -100 Kns, -110 Kml
47	(1914)	City of Woodbury	296	± 30	S	Kmr	0-4 Rec., -85 KmW?, -110 Kmt, -180 Ket & Kwb, -235 KmV, -296 Kmr
48	(1944)	Boro. of Wenonah	320	± 85	S	Kmr	0-65 KmW, -80 Kmt, -105 Ket, -260 Kwb & KmV, -320 Kmr
49	(1938)	N.J. Conference Camp Meeting Association	526	±135	S	Kmr	0-46 (?), -115 TkW, -128 Tmq, -150 Tvt, -193 Tht & Kns, -275 KmW, -491 Kmt, Ket, Kwb, KmV, -526 Kmr
50	31-2358	Glassboro Boro.	630	±150	S	Kmr	0-25 Qbt, -84 Tch & TkW, -553 Tht, KmV, -630 Kmr
74	-4128	Geo. F. Haas	375	± 95	S	Km	0-10 Pleist, -50 TkW, -80 Tht, -180 KmW, -260 Kmt & Ket, -300 Kwb, -340 KmV, -375 Km
64	31-4021	Gloucester Township Board of Education	315	170	S	Kns	0-36 Qbt, -77 Tch, -189 TkW, -219 Tmq, -269 Tvt, -289 Tht, -315 Kns
51	31-2079	Berlin Boro.	955	±150	S&E	Kr	0-248 (?), -295 Kns, -395 KmW, -440 Kmt, -566 Ket, -610 Kwb, -672 KmV, -822 Km, -955 Kr
52	31-46	Owens III. Glass	552	±170	D	Ket	0-98 Tch, -235 TkW & Tmq (?), -350 Tvt, Tht & Kns, -410 Kml, -440 Kmt, -552 Ket

Coord. 31 - 22

Coord. 31 - 23

COASTAL PLAIN DEEP WELLS

Coord. 31 - 23

Map No.	Permit (Year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
53	31-3790	Lafferty & Sons	113	±150	S	Tkw	0-97 Tch, -113 Tkw
54	(1960)	U. S. G. S.	2090	±110	S	pc	<b>Samples being correlated</b>
55	31-1789	Morris Winter	225	±125	S	Kml	0-20 Pleist, -110 Tkw, -150 Tmq & Tsr, -170 Tvt, -190 Tht, -210 Kns, -225 Kml
56	-3725	E. C. Arrison	154	± 95	S	Tvt	0-50 Pleist, -110 Tkw, -154 Tvt
65	-4112	Owens Ill. Glass Co.	650	±140	S	Kr	0-15 Pleist, -35 Tch ?, -170 Tkw, -190 Tsr & Tmq, -250 Tvt, -260 Tht, -270 Kns, -360 Kml, -380 Kw, -420 Kmt, -465 Ket, -515 Kwb, -570 Kmv, -595 Km ?, -650 Kr

Coord. 31 - 31

Coord. 31 - 32

57	31-2889	Clayton Boro.	1010	±125	D&E	Kmr	0-90 Tch, -203 Tkw, -213 Tmq, -292 Tvt, -356 Tht & Kns, -535 Kmv, -694 Kmt, Ket, Kwb & Kmv, -1010 Kmr
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Coord. 31 - 33

58	31-1877	Leshay Bros.	145	±130	S	Tch	0-50 Qbt, -145 Tch
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Coord. 31 - 34

59	(1952)	Ancora-State Hosp.	450	±110	S	Tkw	0-199 Tch, -450 Tkw
60	(1942)	Camden Co. Work House-Ancora	325	±100	S	Tkw	0-13 Pleist, -169 Tch, -325 Tkw

COASTAL PLAIN DEEP WELLS

Coord. 31 - 34

<u>Map No.</u>	<u>Permit (year)</u> <u>Prior to</u>	<u>Owner</u>	<u>Depth (feet)</u>	<u>Elev. (feet)</u>	<u>Type Log</u>	<u>Bot. Fmn.</u>	<u>Formation Depths</u>
61	1918	Town - Hammononton	316	+105	S	Tkw	0-6 Pleist, -146 Tch, -316 Tkw
62	(1953)	Ancora-State Hospital	180	+105	S	Tkw	0-174 Tch, -180 Tkw
63	(1912)	Elmer Water Company	120	+110	S	Tkw	0-9 Pleist, -60 Tch, -120 Tkw

Coord. 31 - 41

COASTAL PLAIN DEEP WELLS

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
1	(1945)	Pemberton Lbr. Co.	147	± 60	S	Kmw	0-25 Tmq, -75 Tvt, -95 Tht, -120 Kns, -147 Kmw
2	(1953)	Sunbury Village	200	± 60	S	Kmw	0-20 Pleist, -50 Tmq, -120 Tvt, -160 Tht, -177 Kns, -200 Kmw
3	(1923)	Permuttit Co.	105	± 40	D	Kw	0-7 Pleist, -13 Tvt (?), -73 Tht & Kns, -94 Km1, -105 Kw
4	Prior to 1901	W. Irick	109	± 30	S	Kmw	0-9 Pleist, -50 Tvt, -101 Tht & Kns, -109 Kmw
41	32-380	Permuttit Co.	915	± 30	S	Kmr	0-10 Pleist, -65 Tht & Kns, -185 Kmw, -255 Kmt & Ket, -315 Ket & Kw, -365 Kw, -415 Kmv, -915 Kmr
5	(1942)	Fort Dix	1096	± 145	S & D	Kr	0-82 Tkw, -231 Tmq, Tvt & Tht, -256 Krb, -298 Kns, -366 Kmw, -568 Kw & Kmv, -694 Km, -1096 Kr
6	32-231	Pemberton School	208	± 80	S	Kmw	0-24 Pleist, -94 Tvt, -106 Tht, -125 Kns, -208 Kmw
7	-276	Burlington Co. Mental Hosp.	450	± 75	S	Ket	0-70 Pleist (?), -120 Tmq, -230 Tvt & Tht, -250 Kns, -330 Kmw, -370 Kmt, -450 Ket
8	-143	Pemberton Twp.	303	± 110	S	Kmw	0-12 Pleist, -94 Tkw, -122 Tmq, -210 Tvt, -240 Tht, -275 Kns, -303 Kmw



COASTAL PLAIN DEEP WELLS

Coord. 32 - 2

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
9	(1942)	Fort Dix	180	± 80	S	Kmw	0-50 Tkw, -60 Tmq, -80 Tvt, -100 Tht, -130 Kns (?), -180 Kmw
42	32-378	B. Klimeck	282	± 65	S	Kmw	0-10 Rec. & Tkw, -80 Tkw, -180 Tmq & Tvt, -230 Tht, -270 Kns, -282 Kmw
10	(1914)	J. J. White Co.	801	± 90	S	Kmv	0-30 Tch, -75 (?), 115 Tkw, -380 Tkw (?), Tmq, Tvt, Tht & Kns, -450 Kml, -535 (?), -550 Ket, -700 (?), -725 Kwb (?), & Kmv, -801 Kmv
11	32-199	J. H. Rogers	310	± 70	S	Kmw	0-20 Tkw, -60 Tmq, -210 Tvt, -270 Tht & Kns, -310 Kmw
12	(1951)	Trans. Gas Pipe Co. #7	908	117	S&E	Km	0-143 Tch, -213 Tkw, -260 (?) Tmq & Tsr, -479 (?) Tvt, -510 (?) Tht, -555 Kns, -612 Kmw, -694 Kmt, -807 Ket, -879 Kwb & Kmv, -908 Km
13	(1934)	Fort Dix	280	±100	S	Kmw	0-5 Tch, -80 Tkw, -175 Tmq & Tvt, -225 Tht (?) & Krb (?), -255 Kns, -280 Kmw
14	(1934)	" "	448	±100	S	Ket	0-86 Tkw, -110 Tmq, -180 Tvt, -205 Tht, -295 Kns & Kmw, -315 Kmt, -448 Ket
15	(1942)	" "	525	±100	S	Ket	0-65 Tch, -105 Tkw, -120 Tmq, -205 Tvt, -240 Tht, -270 Krb, -300 Kns, -330 Kml, -410 Kw, -445 Kmt, -525 Ket
16	(1943)	" "	485	± 95	S	Ket	0-30 Tch, -90 Tkw, -150 Tmq, -220 Tvt, -250 Tht, -310 Krb & Kns, -400 Kmw, -440 Kmt, -485 Ket

Coord. 32 - 3

COASTAL PLAIN DEEP WELLS

Coord. 32 - 3

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
17	32-301	Joseph Vile	110	± 95	S	Tmq	0-30 Tch, -85 Tkw, -110 Tmq
18	(1951)	Trans. Gas Pipe Co. #11	954	109	E	Kmr	0-110 Tch, -188 Tkw, -270 Tmq & Tsr, -410 Tvt, -450 (?) Tht, -460 (?) Kns, -550 KmW, -593 Kmt, -700 Ket, -770 Kwb, -842 KmV, -954 Kmr
19	(1951)	" " #10	928	106	E	Kn	0-125 (?) Tch, -175 (?) Tkw, -230 Tmq & Tsr, -437 Tvt, -470 (?) Tht, -495 Kns, -580 KmW, -620 Kmt, -805 Ket, Kwb & KmV, -928 Km
20	(1951)	" " #9	852	98	E	Ket	0-160 Tch, -308 (?) Tkw, -452 Tmq & Tsr, -605 Tvt, -640 Tht, -675 Kns, -760 (?) KmW, -790 Kmt, -852 Ket
21	(1951)	" " #12	952	138	E	Kmr	0-165 Tch, -260 Tkw, -330 Tmq & Tsr, -465 Tvt, -510 Tht, -620 KmW, -650 Kmt, -740 Ket, -885 Kwb & KmV, -952 Kmr

Coord. 32 - 13

22	(1951)	" " #6	900	144	E	KmV	0-160 (?) Tch, -240 (?) Tkw, -300 Tmq & Tsr, -530 Tvt, -580 (?) Tht, -595 Kns, -675 KmW, -730 Kmt, -805 Ket, -900 Kwb & KmV
23	(1951)	" " #5	900	124	E	KmV	0-140 (?) Tch, -270 Tkw, -320 Tmq & Tsr, -540 Tvt, -595 Tht, -605 Kns, -680 KmW, -745 Kmt, -897 Ket, Kwb & KmV

COASTAL PLAIN DEEP WELLS

Coord. 32 - 13

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
24	(1951)	Trans. Gas Pipe Co. #8	902	123	E	Kmv	0-118 (?) Tch, -250 Tkvw, -305 (?) Tmq & Tsr, -580 Tvt, -600 Tht, -640 Kns, -723 Kmv, -770 Kmt, -810 Ket, -900 Kwbb & Kmv
25	(1951)	" " " #3	1207	132	E	Kmr	0-125 (?) Tch, -320 Tkvw, -400 (?) Tmq & Tsr, -620 Tvt, -670 Tht, -700 Kns, -758 Kmv, -802 Kmt, -855 Ket, -1057 Kwbb & Kmv, -1207 Kmr
26	(1951)	" " " #2	881	129	E	Ket	0-160 Tch, -340 Tkvw, -440 (?) Tmq & Tsr, -645 Tvt, -700 Tht, -735 Kns, -804 Kmv, -835 Kmt, -881 Ket
27	(1951)	" " " #4	900	128	E	Kmv	0-300 Tkvw, -340 (?) Tmq & Tsr, -608 Tvt, -660 Tht, -688 Kns, -762 Kmv, -798 Kmt, -897 Ket, Kwbb & Kmv
28	(1951)	" " " #1	1147	108	S&E	Km	0-144 Tch, -334 Tkvw, -436 Tmq, -498 (?) Tsr, -656 Tvt, -727 Tht, -742 Kns, -825 Kmv, -845 Kmt, -890 Ket, -1085 (?) Kwbb & Kmv, -1147 Km
29	(1951)	" " " #14	1519	80	E	Kmr	0-180 (?) Tch, -366 Tkvw, -415 (?) Tmq & Tsr, -697 (?) Tvt, -707 Tht, -800 Kns, -870 Kmv, -900 (?) Kmt, -1010 Ket, -1194 Kwbb & Kmv, -1519 Kmr

Coord. 32 - 23

COASTAL PLAIN DEEP WELLS

<u>Map No.</u>	<u>Permit (year)</u>	<u>Owner</u>	<u>Depth (feet)</u>	<u>Elev. (feet)</u>	<u>Type Log</u>	<u>Bot. Fmn.</u>	<u>Formation Depths</u>
30	(1951)	Trans. Gas Pipe Co. #13	1519	90	S&E	Kmr	(0-942 no samples) 0-415 Tch & Tkw, -453 Tmq & Tsr, -840 Tvt, Tht & Kns (?), -928 Kmw, -950 Kmt, -1126 (?) Ket, -1290 (?) Kwb & Kmv, -1519 Kmr
31	(1949)	Civil Aeronaut. Adm.	143	± 95	S	Tch	<u>Coord. 32 - 24</u>
32	(1951)	Trans. Gas Pipe Co. #17	1751	156	S&E	Kr	<u>Coord. 32 - 25</u> 0-122 Qbh & Tch, -491 Tkw, -624 Tmq & Tsr, -1085 Tvt & Tht, -1106 (?) Kns, -1360 Kmw, Kmt & Ket, -1535 (?) Kwb, Kmv & Km, -1741 Kr (Limestone at ± 1710)
33	(1918)	Atlantic Loading Co.	950	± 55	D	?	<u>Coord. 32 - 31</u> 0-136 Tch, -434 Tkw, -950 (?)
34	(1948)	F. Garatt	101	± 10	S	Tkw	<u>Coord. 32 - 32</u> 0-69 Tch, -101 Tkw (?)
35	(1951)	Trans. Gas Pipe Co. #15	1701	19	S&E	Kr	<u>Coord. 32 - 33</u> 0-101 Pleist, -418 Tkw, -480 (?) Tmq & Tsr, -820 (?) Tvt, -1003 Tht & Kns, -1220 Kmw, Kmt & Ket, -1312 Kwb (?) & Kmv, -1424 (?) Km, -1701 Kr

COASTAL PLAIN DEEP WELLS

Coord. 32 - 33

<u>Map No.</u>	<u>Permit (year)</u>	<u>Owner</u>	<u>Depth (feet)</u>	<u>Elev. (feet)</u>	<u>Type Log</u>	<u>Bot. Fmn.</u>	<u>Formation Depths</u>
36	(1951)	Trans. Gas Pipe Co. #16	1658	18	E	Kmr	0-160 (?) Tch, -460 Tkw, -520 (?) Tmq & Tsr, -880 (?) Tvt, -1000 Tht & Kns (?), -1132 Kmw & Kmt, -1207 Ket, -1418 Kwb & Kmv, -1658 Kmr
37	(1949)	Tuckerton Water Co. #4	490	± 10	S	Tkw	0-28 Qcm, -58 Tch, -490 Tkw
38	32-320	Scholler Bros.	178	± 85	S	Tkw	0-13 Pleist, -173 Tch, -178 Tkw
39	(1942)	Egg Harbor City	401	± 45	S	Tkw	0-124 Tch, -401 Tkw
40	(1956)	F. Schroer	429	± 65	S	Tkw	0-10 Qps, -250 Tch, -429 Tkw

Coord. 32 - 35

Coord. 32 - 41

Coord. 32 - 42

Coord. 32 - 43

COASTAL PLAIN DEEP WELLS

Coord. 33 - 1

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
1	33-514	Ciba Company	100	± 65	S	Tch	0-57 Qps, -100 Tch
2	(1951)	Trans. Gas Pipe Co. #20	1501	41	S&E	Kr	0-142 Tch, -370 TkW, -525 Tmq & Tsr, -720 Tvt, -760 Tht, -848 Kns, -980 KmW, -1300 Ket, Kwb, KmV & Km, -1501 Kr
3	(1951)	" " " #19	1805	39	S&E	Kr	0-142 Tch, -385 TkW, -520 Tmq & Tsr, -983 Tvt, Tht (?), Kns, KmW & Kmt, -1106 Ket, -1287 Kwb, KmV & Km, -1805 Kr

Coord. 33 - 2

4	(1941)	Toms River Water Company	400	± 5	S	Tmq	0-50 Qcm, -105 Tch, -307 TkW, -320 Tmq, -400 Tmq (?)
5	33-829	" " "	230	± 50	S	TkW	0-6 Rec., -23 Qcm, -71 Tch, -230 TkW
6	Prior to 1901	Island Heights Water Company	1145	± 20	S	Kwb?	0-44 Pleist & Tch, -259 Tch & TkW, -368 Sub-Kirkwood, -504 Tmq & Tsr, -640 Tvt, -908 Tht, Krb & Kns, -1140 Kmt, Ket & Kwb (?)

Coord. 33 - 3

7	33-360	Ocean Co. Water Company	1509	± 5	S&D	Kmr	0-780 Unknown, -845 KmW, -900 Kmt, -1047 Ket, -1300 Kwb & KmV, -1509 Kmr
8	(1925)	Boro. of Lavalette	1522	± 10	S&D	Kmr	0-38 Rec., -138 Tch, -275 TkW, -420 Sub-Kirkwood, -846 Tsr (?), Tvt, Tht, Krb, Kns & KmW (?), -1140 Kmt & Ket -1400 Kwb & KmV, -1522 Kmr

COASTAL PLAIN DEEP WELLS

Coord. 33 - 12

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
9	33-393	N. J. Highway Authority	101	± 50	D	Tch	0-16 Qps, -101 Tch <u>Coord. 33 - 13</u>
10	33-826	N. J. Island Beach	291	± 10	S	Tkw	0-210 Rec., Pleist & Tch, -291 Tkw <u>Coord. 33 - 21</u>
11	33-372	N. J. Highway Authority	130	± 40	D	Tch	0-7 Rec., -33 Qcm, -130 Tch
12	(1951)	Trans. Gas Pipe #18	1759	148	E	Kr	0-149 Tch, -688 (?) Tkw, -820 Tmq & Tsr, -1127 Tvt, Tht (?) & Kns (?), -1313 Km, -1615 Ket, Kwb, Km, & Km, -1759 Kr
13	33-793	Waretown School	140	± 15	S	Tkw	0-40 Qcm, -60 Tch, -140 Tkw <u>Coord. 33 - 22</u>
14	33-364	Barnegat Light Boro. #2	670	± 5	S	Tkw	0-95 ?, -179 Tch, -670 Tkw <u>Coord. 33 - 23</u>
15	33-41	Long Beach Water Company	596	± 5	S	Tkw	0-86 Rec. & Qcm, -230 Tch, -596 Tkw <u>Coord. 33 - 32</u>
16	(1947)	Ship Bottom Boro. #3	565	± 5	S	Tkw	0-30 Rec., -59 Pleist (?), -94 Pleist, -196 Tch, -565 Tkw
17	(1953)	" "	605	± 5	S	Tkw	0-140 Rec. & Qcm, -300 Tch, -605 Tkw
18	(1937)	Boro. Surf City #2	575	± 10	S	Tkw	0-35 Rec. & Pleist (?), -495 Tch, -575 Tkw

COASTAL PLAIN DEEP WELLS

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
19	(1947)	Boro. Surf City #3	561	± 5	S	Tkw	0-42 Rec., -105 Pleist, -204 Tch, -561 Tkw
20	(1957)	Boro. of Beach Haven Replacement	770	± 5	S	Tkw	0-90 Rec. & Pleist, -180 Tch, -330 Tch (?) or Tkw (?), -770 Tkw
21	(1921)	Beach Haven Water Works	675	± 5	S	Tkw	0-65 Rec., -115 Pleist & Tch, -250 Tch, -675 Tkw
22	(1938)	Long Beach Township	450	± 5	S	Tkw	0-48 Rec., -118 Pleist (?), -129 Tch, -275 Tch (?), -450 Tkw
23	(1949)	Long Beach Water Company	627	± 5	S	Tkw	0-9 Rec, -20 Pleist, -149 Tch, -627 Tkw

Coord. 33 - 32

Coord. 33 - 41

Coord. 33 - 42



COASTAL PLAIN DEEP WELLS

Coord. 34 - 2

<u>Map No.</u>	<u>Permit (year)</u>	<u>Owner</u>	<u>Depth (feet)</u>	<u>Elev. (feet)</u>	<u>Type Log</u>	<u>Bot. Fmn.</u>	<u>Formation Depths</u>
1	34-435	State of New Jersey	61	± 4	S	Tvt	0-40 Qcm, -46 Tkw, -61 Tvt
<u>Coord. 34 - 3</u>							
2	(1935)	E. C. W. Camp	390	± 10	D	Knt	0-100 Tch (?), & Tkw, -130 Tmq, -280 Tvt, Tht & Kns, -375 KmW, -390 Knt
<u>Coord. 34 - 4</u>							
3	(1944)	Gorson & McCormick	185	± 90	S	Tkw	0-40 ?, -120 Tch, -185 Tkw
4	(1939)	A. C. Whitaker, Jr.	250	± 80	S	Tkw	0-11 Rec., -72 Tch, -230 Tkw, -245 Sub-Tkw
5	?	J. W. Redfield	239	± 60	S	Tkw	0-40 ?, -60 Tch, -239 Tkw
6	(1944)	City of Bridgeton	135	± 70	S	Tkw	0-123 Tch, -135 Tkw
<u>Coord. 34 - 5</u>							
7	(1939)	Bridgeton Boro.	1651	± 80	S	Kr	0-101 Tch, -277 Tkw, -295 Sub-Tkw, -373 Tmq, -706 Tvt, -764 Tht & Kns, -903 KmW, -1043 Knt, -1335 Ket, KwB & KmV, -1425 Km, -1651 Kr
8	(1953)	Seabrook Farms	169	± 95	S	Tkw	0-30 Qbt, -160 Tch, -169 Tkw
<u>Coord. 34 - 14</u>							
9	(1942)	Cumberland Co. Hospital	159	± 85	S	Tkw	0-151 Tch, -159 Tkw
10	(1944)	Sunny Slope Farm	114	± 90	S	Tch	0-39 ?, -114 Tch

COASTAL PLAIN DEEP WELLS

Coord. 34 - 14

<u>Map No.</u>	<u>Permit (year)</u>	<u>Owner</u>	<u>Depth (feet)</u>	<u>Elev. (feet)</u>	<u>Type Log</u>	<u>Bot. Fmn.</u>	<u>Formation Depths</u>
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11	(1938)	City of Bridgeton	141	± 70	S	Tkw	0-135 Tch, -141 Tkw
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Coord. 34 - 15

12	(1948)	City of Bridgeton	135	± 45	S	Tkw	0-92 Tch, -135 Tkw
13	(1938)	" "	121	± 100	S	Tkw	0-120 Tch, -121 Tkw
14	(1944)	" "	100	± 20	S	Tkw	0-72 Tch, -100 Tkw

Coord. 34 - 24

15	(1948)	W. Stiles	362	± 5	S	Tkw	0-30 Rec., -100 Tch, -362 Tkw
16	(1945)	Miles Gandy	400	± 5	D	Tkw	0-13 Rec., -90 Tch, -400 Tkw

COASTAL PLAIN DEEP WELLS

Coord. 35 - 1

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
1	(1960)	Parvin State Park	210	± 75	S&E	Tkw	0-40 Qbt, -95 Tch, -210 Tkw
2	(1944)	Deerfield Packing Co.	129	± 80	S	Tkw	0-30 Pleist., -68 Tch, -95 Tkw (?), -129 Tkw
<u>Coord. 35 - 2</u>							
3	35-667	Vineland City	200	±100	S	Tch	0-200 Tch
<u>Coord. 35 - 3</u>							
4	(1942)	F. B. Leggett & Co.	470	±100	D&S	Tkw	0-175 (?) Tch, -380 Tkw, -470 Sub-Kirkwood
5	(1926)	N. J. Institute for Feeble Minded Girls	310	±105	S	Tkw	0-258 Tch, -310 Tkw
<u>Coord. 35 - 13</u>							
6	(1917)	Cumberland Oil & Gas Co.	705	± 50	S?	Tht	0-212 Tch, -460 Tkw, -513 Tmq, -670 Tvt, -705 Tht (?)
7	35-514	Natl. Pulverizing Co.	70	± 25	S	Tch	0-70 Tch
<u>Coord. 35 - 24</u>							
8	(1948)	April Bros.	320	± 10	D&S	Tkw	0-52 Qcm & Tch, -140 Tch (?), -320 Tkw
9	(1945)	Miles Gandy	400	± 35	D	Tkw	0-13 Rec., -90 Tch, -400 Tkw
10	(1948)	W. Stites	370	± 20	S	Tkw	0-40 Rec., -100 Tch, -370 Tkw
11	(1946)	April Bros.	128	± 15	S	Tkw	0-11 Qcm, -50 Tch, -128 Tkw (?)

COASTAL PLAIN DEEP WELLSCoord. 35 - 32

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
12	(1948)	J. N. Fowler & Sons	255	± 3	S	Tkw	0-5 Rec., -100 (?) Pleist., -185 Tch, -255 Tkw
13	(1947)	Stowman Bros.	260	± 3	S	Tkw	0-100 Pleist, -180 Tch (?), -260 Tkw
14	(1937)	State Prison Farm	280	± 10	S	Tkw	0-20 Qcm, -50 Pleist (?), -125 Tch (?), -280 Tkw
15	(1948)	L. Tomlinson	320	± 5	S	Tkw	0-20 Rec. & Pleist., -110 Tch, -320 Tkw
16	(1945)	State Institution	140	± 35	S	Tch	0-60 Qcm, -140 Tch
17	(1957)	U.S.G.S. #4 Test	348	± 5	S&E	Tkw	0-35 Qcm, -50 Gardiners clay, -225 Pleist & Tch, -348 Tkw
18	(1945)	Leonard Verity	414	± 5	S	Tkw	0-280 Rec. Pleist. & Tch, 280-414 Tkw

Coord. 35 - 33Coord. 35 - 34Coord. 35 - 43Coord. 35 - 45

COASTAL PLAIN DEEP WELLS

Coord. 36 - 5

<u>Map No.</u>	<u>Permit (year)</u>	<u>Owner</u>	<u>Depth (feet)</u>	<u>Elev. (feet)</u>	<u>Type Log</u>	<u>Bot. Fmn.</u>	<u>Formation Depths</u>
1	(1936)	U. S. Coast Guard	612	± 5	S	Tkw	0-29 Pleist, -47 Qcm, -108 (?) Tch, -612 Tkw
2	36-277	L. E. Hawkins	97	± 25	S	Tch	0-60 Qcm, -97 Tch
3	(1899)	Atlantic Co. Asylum	715	± 35	S	Tkw	0-15 Rec., -173 Tch, 715 Tkw
4	(1911)	Ventnor City	811	± 5	S	Tkw	0-74 Rec. & Pleist, -360 (?) Tch, -811 Tkw, (370-620=great diatomaceous clay bed)
5	36-220	Pres. Hotel	883	± 5	S&E	Tkw	0-100 Rec., -403 Tch, -883 Tkw
6	(1901)	Youngs Ocean Pier	2306	- 10	S	Kmw	0-90 Qcm, -126 Qps (?), -390 Tch, -1240 Tkw, -1440 Tmq & Tsr (?), -1900 Tvt, -1940 Tht, -2070 Krb, -2150 Kns, -2306 Kmw
7	(1952)	City of Brigantine	778	± 5	S	Tkw	0-70 Qcm, -360 Tch, -778 Tkw
8	Prior to 1924	Brigantine City	798	± 10	S	Tkw	0-110 Rec. & Pleist, -288 (?) Tch, -798 Tkw
9	(1950)	J. O'Brien	692	± 5	S	Tkw	0-93 Rec., -153 Tch, -692 Tkw

Coord. 36 - 22

Coord. 36 - 15

Coord. 36 - 14

Coord. 36 - 13

COASTAL PLAIN DEEP WELLS

Coord. 36 - 22

Map No.	Permit (year)	Owner	Depth (feet)	Elev. (feet)	Type Log	Bot. Fmn.	Formation Depths
10	(1892 & 1896)	Ocean City Water Works (comb. log of two wells)	821	± 5	S	Tkw	0-117 Rec. & Pleist, -300 Tch, -821 Tkw
11	36-271	Seaview Harbor Water Co.	785	± 5	S	Tkw	0-40 Rec., -80 Qcm, -340 Tch, -785 Tkw
12	37-64	Sea Isle City	897	± 5	D&E	Tkw	0-119 Rec. & Pleist, -300 Tch, -897 Tkw
13	(1930)	" "	870	± 5	S	Tkw	0-100 Rec., -300 Tch, -870 Tkw
14	(1948)	Boro. of Avalon #4	900	± 5	S	Tkw	0-240 Pleist. & Tch, -325 Tch, -900 Tkw
15	(1898)	Avalon Water Company	925	± 10	S	Tkw	0-100 Rec. & Pleist, -300 Tch, -385 Tch & Tkw, -925 Tkw

Coord. 36 - 31

Coord. 36 - 41

COASTAL PLAIN DEEP WELLSCoord. 37 - 1

<u>Map No.</u>	<u>Permit (Year)</u>	<u>Owner</u>	<u>Depth (feet)</u>	<u>Elev. (feet)</u>	<u>Type Log</u>	<u>Bot. Fmn.</u>	<u>Formation Depths</u>
1	37-177	M. McKinnon	140	± 18	S	Qp	0-80 Qcm, -140 older Pleist.
2	(1943)	U. S. Navy	280	± 20	S	Tch	0-77 Qcm, 77-210 Older Pleist., 210-280 Tch
3	(1943)	" "	282	± 20	S	Tch	0-76 Qcm, -203 Pleist., -225 Pleist (?) or Tch (?), -282 Tch
Coord. <u>37 - 2</u>							
4	(1956)	USGS-3, Whitesville	340	± 15	S	Tkw	0-50 Qcm, -65 Pleist, -90 Gardiners clay, -115 Pleist., -255 Pleist. or Tch, -340 Tkw
5	(1948)	Wildwood Boro. #30	252	± 5	S	Tch	0-45 Qcm, 45-235 older Pleist., 235-252 Tch
6	(1925)	Wildwood Boro.	948	± 5	D	Tkw	0-135 Rec. & Pleist., -320 Tch, -948 Tkw
Coord. <u>37 - 3</u>							
7	37-215	Lester Marshall	600	± 5	S	Tkw	0-70 Rec., -150 Pleist, -320 Tch, -600 Tkw
8	(1894)	Wildwood Boro.	1244	+ 5	S	Tkw	0-370 Tch & Tkw, -1030 Tkw, -1104 Tkw?, -1244 Sub-Kirkwood
Coord. <u>37 - 11</u>							
9	(1958)	USGS-5, C. May Canal	300	± 15	S	Qp	0-50 Qcm, -70 Pleist, -105 Gardiners clay, -300 Pleist, or Tch
10	(1958)	USGS-2, Highshoe Beach	390	± 10	S	Tkw	0-40 Qcm, -75 Gardiners clay, -250 older Pleist. or Tch, -390 Tkw

COASTAL PLAIN DEEP WELLS

Coord. 37 - 11

<u>Map No.</u>	<u>Permit (year)</u>	<u>Owner</u>	<u>Depth (feet)</u>	<u>Elev. (feet)</u>	<u>Type Log</u>	<u>Bot. Fmn.</u>	<u>Formation Depths</u>
11	(1902)	City of Cape May	1313	± 5	S	Tkw	0-90 Pleist, -190 (?) Tch, -990 Tkw, -1313 Sub-Kirkwood
12	37-155	USGS-1, W. C. May	293	± 5	S	Tch	0-40 Qcm, -92 Pleist (?), -293 Tch
13	-184	Cape May City	1006	± 5	S	Tkw	0-77 Qcm, -306 Tch, -1006 Tkw
14	(1958)	USGS-6, Coast Guard Station	401	± 5	S	Qp	0-55 Qcm, -401 Pleist.

Coord. 37 - 12

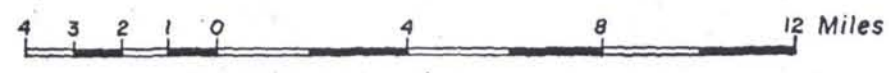


"SELECTED DEEP WELL LOCATION MAP"

The above map is included with this Report. It covers central and southern New Jersey and may be purchased separately for \$1.00 from the Bureau of Geology and Topography, 520 East State Street, Trenton 25, New Jersey.

# SELECTED DEEP WELL LOCATION MAP IN CENTRAL & SOUTHERN NEW JERSEY

Scale: 1"=250,000  
(approximately 4 miles to an inch)



GEOLOGIC REPORT SERIES NO. 3

### LEGEND

24-31 Block Coordinate No.

Rectangular block coordinate numbers are shown in full in the area of atlas sheet 33. They are also given for the partial area of sheet 24 and would apply in a similar manner to sheets 25 and 26. The dashed areas of atlas sheet 37 are classed as part of atlas sheets 35 and 36. The block numbers for this area are also given.

● (94) - Wells

--- Boundaries

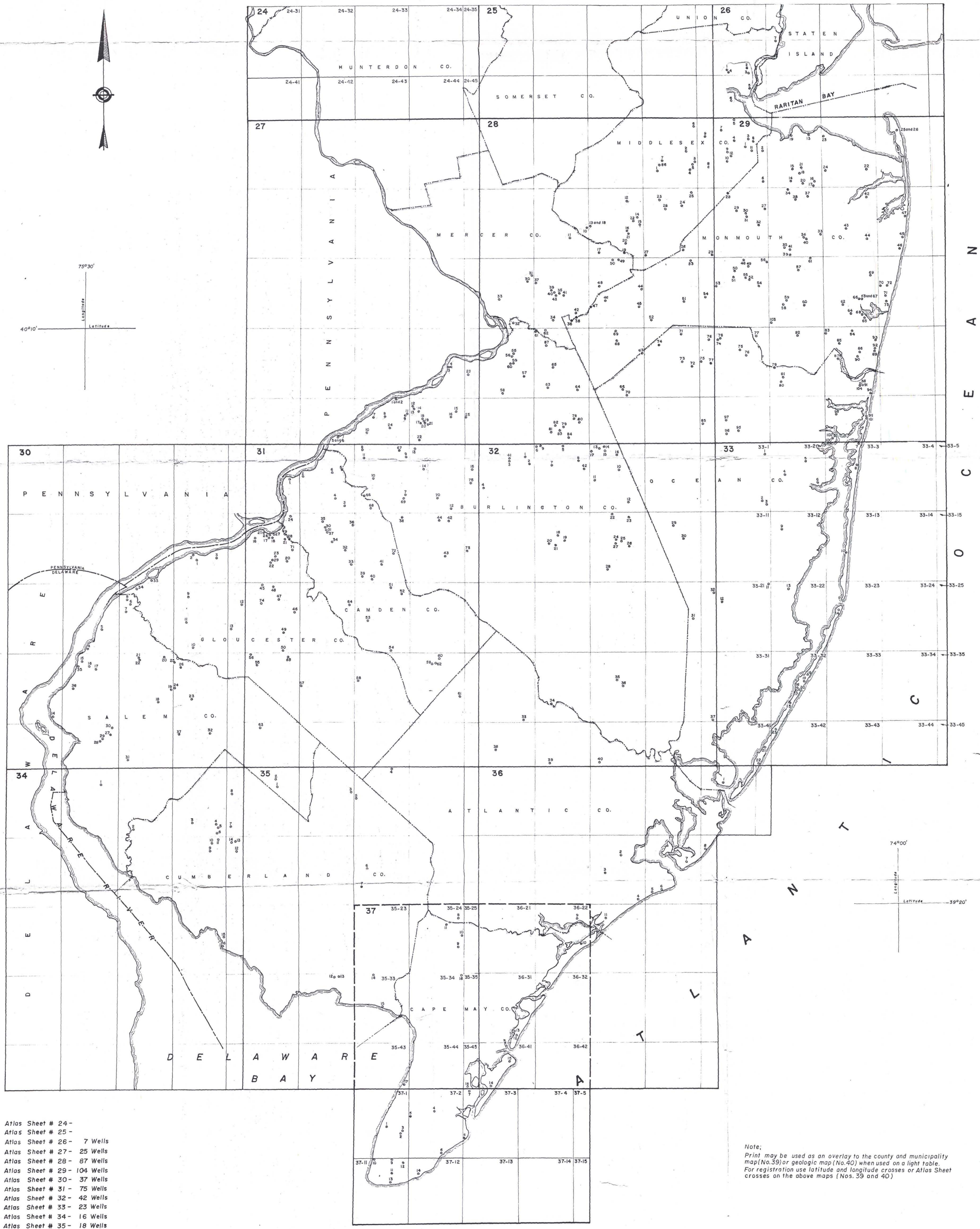
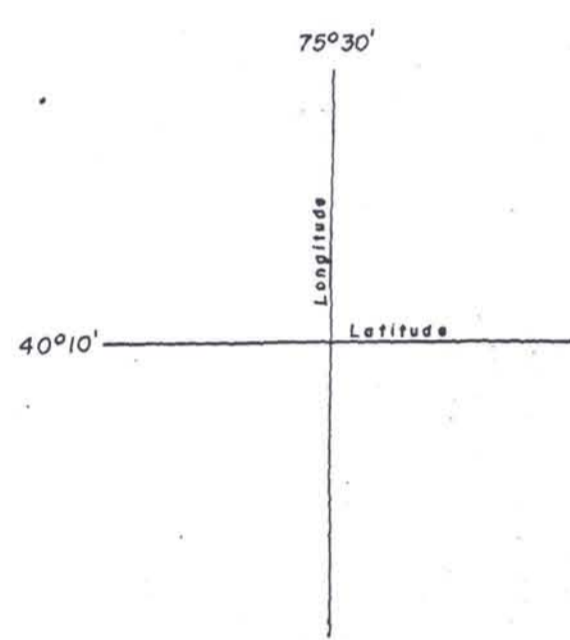
----- State

----- County

Rivers

Lakes

Ponds



- Atlas Sheet # 24 -
- Atlas Sheet # 25 -
- Atlas Sheet # 26 - 7 Wells
- Atlas Sheet # 27 - 25 Wells
- Atlas Sheet # 28 - 87 Wells
- Atlas Sheet # 29 - 104 Wells
- Atlas Sheet # 30 - 37 Wells
- Atlas Sheet # 31 - 75 Wells
- Atlas Sheet # 32 - 42 Wells
- Atlas Sheet # 33 - 23 Wells
- Atlas Sheet # 34 - 16 Wells
- Atlas Sheet # 35 - 18 Wells
- Atlas Sheet # 36 - 15 Wells
- Atlas Sheet # 37 - 14 Wells

Note:  
Print may be used as an overlay to the county and municipality map (No.39) or geologic map (No.40) when used on a light table.  
For registration use latitude and longitude crosses or Atlas Sheet crosses on the above maps (Nos. 39 and 40)

